FLORIDA DEPARTMENT OF TRANSPORTATION - DISTRICT VI
TRANSPORTATION SYSTEMS MANAGEMENT & OPERATIONS (TSM&O)
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DMS Usage Report – February 2019

Summary of Monthly Operations

In the month of February, there were 36,486 messages posted with 10,866 DMS activations for 1,496 events. The DMS efficiency was 99.87% (1,494 of the 1,496 signable events had DMS messages posted) for all roadways. There was an average of 7.26 DMSs activated per each signable event and an average of 3.36 DMS messages were posted per each DMS activation. This resulted in an average of 24.39 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{10{,}866\ DMS\ Activations}{1{,}496\ Events}$ = **7.26** *Average DMS Activations per Event*

  An average of 7.26 DMSs were activated per each signable event

- $\frac{36{,}486\ DMS\ Messages}{10{,}866\ DMS\ Activations}$ = **3.36** *Average DMS Messages per Activation*

  An average of 3.36 DMS messages were posted per each DMS activation

- $7.26\ \frac{DMS\ Activations}{Events}$ x $3.36\ \frac{DMS\ Messages}{DMS\ Activations}$ = **24.39*** *DMS Messages per Event*

  An average of 24.39 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	143
FDOT District 4	1045
Florida's Turnpike Enterprise	5
Miami-Dade Expressway Authority	1297
Total	**2490**

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	14111
Other Districts' Incidents	1528
Construction	7946
Safety	10217
Vehicle Alert	2684
Total	**36486**

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	166	581	1618:28:56	100.00%
	22	I-95 NB south of NW 62 St	138	470	995:11:00	100.00%
	75	I-95 NB before SR 112	294	895	1850:03:26	100.00%
	77	I-95 NB beyond SW 8 St	388	1006	2142:06:55	100.00%
	2	I-95 SB north of Ives Dairy Rd	171	529	1230:43:12	98.23%
	3	I-95 SB north of Miami Gardens Dr	184	609	1099:20:59	78.48%
	095NB013.5LL	I-95 NB north of NW 173 St	101	347	936:19:38	99.67%
	20	I-95 SB south of NW 119 St	167	633	1500:59:43	100.00%
	21	I-95 SB south of NW 62 St	149	607	1711:38:02	99.95%
	74	I-95 SB beyond of SR 112	168	490	1329:59:27	100.00%
	76	I-95 SB before Rickenbacker Cswy	45	206	851:00:10	100.00%
		I-95 Mainline Subtotal	***1971***	***6373***	***15265:51:28***	***97.85%***
I-95 Express	95X40	95X NB at NW 62nd St	162	432	1022:52:08	98.01%
	95X45	95X NB at NW 125th St	178	521	1080:31:58	99.87%
	95XSB45	95X SB at NW 62nd St	111	356	1006:12:04	99.86%
	95XSB50	95X SB at NW 125th St	115	358	964:58:21	98.01%
	095SB014.6-EL	95X SB at Miami Gardens Dr	249	752	1394:58:43	98.12%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	84	314	929:19:19	98.36%
		I-95 Express Subtotal	***899***	***2733***	***6398:52:33***	***98.71%***
SR 826	4	SR 826 EB east of NW 67 Ave	88	296	879:23:14	100.00%
	5	SR 826 EB east of NW 37 Ave	279	823	1373:44:41	100.00%
	14**	SR 826 NB beyond NW 122 St	111	360	956:12:46	N/A**
	15	SR 826 WB beyond NW 17 Ave	69	288	1166:17:52	100.00%
	17	SR 826 WB beyond NW 47 Ave	98	344	1258:16:43	100.00%
	19	SR 826 WB beyond NW 67 Ave	122	397	1357:20:53	99.90%
	826NB58**	SR 826 NB before NW 58 St	68	217	671:50:04	N/A**
	826SB103**	SR 826 SB before NW 103 St	100	334	1258:15:45	N/A**
	826SB58**	SR 826 SB before NW 58 St	95	324	1211:00:39	N/A**
	826NB1.3-LL	SR 826 NB before SW 72 St	89	303	1098:06:28	99.56%
	826NB4.8-LL	SR 826 NB at SW 24 St	210	502	1326:27:23	91.79%
	826SB8.8-LL**	SR 826 SB at NW 36 St	192	499	1368:45:10	N/A**
		SR 826 Subtotal	***1521***	***4687***	***13925:41:38***	***98.75%***
I-75	43**	I-75 NB before Miami Gardens Dr	42	273	1556:51:43	N/A**
	44**	I-75 SB before Miami Gardens Dr	156	446	1674:45:32	N/A**
	42**	I-75 SB ramp from NW 138 St	136	374	1389:09:44	N/A**
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	97	271	1054:23:48	93.70%
		I-75 Subtotal	***431***	***1364***	***5675:10:47***	***93.70%***
I-195 Mainline	57	I-195 EB before North Miami Ave	44	304	1151:45:26	99.65%
	105	I-195 WB before Alton Rd	183	558	1558:46:09	100.00%
		I-195 Mainline Subtotal	***227***	***862***	***2710:31:35***	***99.83%***
I-395	886WB	Port Blvd WB before US-1	257	769	1864:59:09	100.00%
	104	I-395 WB at Watson Island	351	931	1938:38:32	96.79%
		I-395 Subtotal	***608***	***1700***	***3803:37:41***	***98.40%***
		Limited Access Facilities Subtotal	***5657***	***17719***	***47779:45:42***	***98.44%***

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	148	525	1070:40:22	98.39%
	113	Ives Dairy Rd WB before I-95	102	397	809:09:09	96.72%
	110	Miami Gardens Dr EB before I-95	199	695	1129:39:02	95.93%
	111	Miami Gardens Dr WB before I-95	206	729	1142:21:27	96.67%
	112	NW 103 St EB before I-95	224	742	1364:06:21	94.96%
	106	NW 79 St EB before I-95	201	780	1433:39:10	97.91%
	107*	NW 54 St EB before I-95	0	0	0:00:00	N/A*
	108	SW 8 St EB before I-95	149	454	943:19:15	95.51%
		I-95 Arterial Subtotal	***1229***	***4322***	***7892:54:46***	***96.58%***
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	294	926	1375:59:19	99.41%
	7	Turnpike SB to Golden Glades	262	860	1393:17:46	99.82%
	9	US-441 NB at TRI-Rail	43	160	465:15:34	52.69%
	10	SR 9 NB before Park & Ride	89	355	918:56:39	100.00%
	8	US-441 SB at NW 179 St	229	767	1332:58:09	99.41%
		Golden Glades Interchange Subtotal	***917***	***3068***	***5486:27:27***	***90.27%***
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	128	400	1091:07:28	93.71%
	SW24WB	SW 24 St WB before SR 826	126	397	1086:20:50	93.15%
	SW40EB	SW 40 St EB before SR 826	116	369	1060:48:12	93.71%
	SW40WB	SW 40 St WB before SR 826	117	370	1067:11:56	93.71%
	SW56EB	SW 56 St EB before SR 826	101	346	1077:18:41	94.70%
	SW56WB	SW 56 St WB before SR 826	100	342	1036:44:13	93.71%
	SW72EB	SW 72 St EB before SR 826	91	313	1029:53:27	93.71%
	SW72WB	SW 72 St WB before SR 826	94	318	1030:33:50	93.71%
	WFLAGLEREB	W Flagler ST EB before SR 826	116	380	1120:28:24	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	116	380	1120:28:34	100.00%
	NW25EB	NW 25 ST EB before SR 826	133	433	1155:05:13	100.00%
	NW25WB	NW 25 ST WB before SR 826	134	436	1156:30:51	100.00%
	NW36EB	NW 36 ST EB before SR 826	141	457	1250:27:29	100.00%
	NW36WB	NW 36 ST WB before SR 826	138	440	1206:03:50	100.00%
	SW8EB	SW 8 ST EB before SR 826	127	392	1114:52:45	94.29%
	SW8WB	SW 8 ST WB before SR 826	119	355	1005:19:41	91.32%
	SW88EB	Kendall DR EB before SR 826	78	278	995:50:46	93.65%
	SW88WB	Kendall DR WB before SR 826	79	284	1038:12:47	94.80%
		SR 826 Arterial Subtotal	***2054***	***6690***	***19643:18:57***	***95.79%***
I-195 Arterial	38	Alton Rd SB before I-195	103	636	2080:51:19	99.80%
	39	Arthur Godfrey WB before I-195	102	629	2079:28:53	99.80%
	40	Alton Rd NB before I-195	101	379	1414:09:28	99.80%
		I-195 Arterial Subtotal	***306***	***1644***	***5574:29:40***	***99.80%***

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

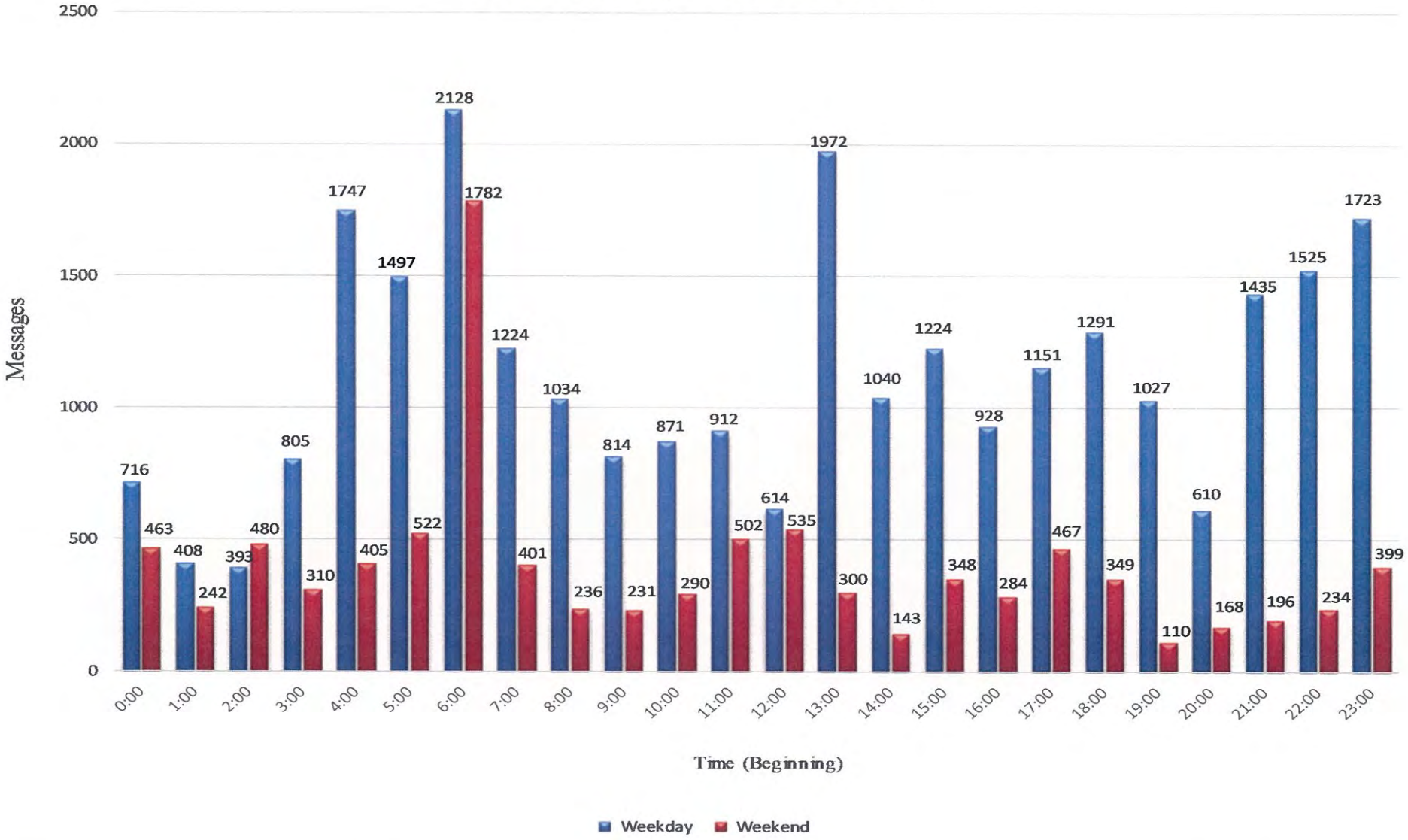
Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	246	646	1531:10:09	99.57%
	45	US-1 SB before SW 80 St	47	213	938:59:06	100.00%
	47	US-1 SB at Florida's Turnpike	34	187	843:24:06	100.00%
	46	US-1 NB before Killian Dr	71	261	979:29:54	96.85%
	48	US-1 NB at Florida's Turnpike	38	193	854:35:20	100.00%
US-1 in Miami-Dade County Subtotal			***436***	***1500***	***5147:38:35***	***99.28%***
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	29	173	838:34:48	99.22%
	64	US-1 NB at Mile Marker 106	27	160	763:29:07	95.04%
	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	55	313	1583:00:47	99.88%
	61	US-1 SB at Mile Marker 126	46	315	1564:44:44	100.00%
	63	US-1 SB at Mile Marker 113	43	210	749:56:58	94.64%
	65	US-1 SB at Mile Marker 106	40	203	775:07:04	94.82%
	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*
	70	US-1 SB at Mile Marker 7.5	27	169	818:41:29	99.94%
US-1 South of Florida City Subtotal			***267***	***1543***	***7093:34:57***	***97.65%***
Arterials Subtotal			***5209***	***18767***	***50838:24:22***	***95.91%***
Limited Access Facilities Subtotal			***5657***	***17719***	***47779:45:42***	***98.44%***
Grand Total			***10866***	***36486***	***98618:10:04***	***97.08%***

**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.*

***DMS 826SBNW103ST01, 826SB8.8-LL, 826NBNW58ST, 826SBNW58ST, 14, 42, 43 and 44 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			381	210	414	101	70	65	135	159	626	105	176	242
Safety Messaging			1360	814	1444	359	248	268	845	602	2368	363	660	886
District 6	Miami-Dade	I-95	2669	599	402	1	304	551	2676	1263	8	469	208	0
District 6	Miami-Dade	95 Express	763	762	204	0	0	281	0	505	0	0	240	0
District 6	Miami-Dade	I-195	320	5	0	0	199	134	114	0	0	186	3	0
District 6	Miami-Dade	I-395	53	12	0	0	9	38	23	0	0	3	16	0
District 6	Miami-Dade	MacArthur Causeway	43	1	0	0	0	26	0	0	0	500	0	0
District 6	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-826	112	113	1523	387	2	4	169	286	3665	0	84	0
District 6	Miami-Dade	I-75	3	3	212	164	0	0	4	4	126	0	0	0
District 6	Miami-Dade	US-1	15	0	0	0	0	6	7	0	10	0	64	1
District 6	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	7	311
District 6	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-997/ Krome Avenue	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-9	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	US-27	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	US-441	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	OTHER	53	4	6	51	2	1	0	1	0	0	3	102
District 6	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	328	3	334	0	14	316	13	0	0	3	2	0
MDX	Miami-Dade	SR-836 Extension to 137th Ave	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-112	18	9	0	0	9	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-874	0	0	34	0	0	0	0	0	158	0	21	0
MDX	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-924	0	0	17	18	0	0	0	0	0	0	0	0
District 4	Broward	I-95	155	148	67	6	5	10	305	227	0	15	0	0
District 4	Broward	95 Express	36	18	18	0	0	0	0	17	0	0	0	0
District 4	Broward	I-75	0	0	12	6	0	0	0	0	0	0	0	0
District 4	Broward	I-595	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Palm Beach	I-95	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Indian River	I-95	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Broward	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Miami-Dade	Florida's Turnpike	0	0	0	0	0	0	0	4	0	0	0	1
Turnpike	Miami-Dade	Florida's Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Broward	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Palm Beach	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Martin	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	St. Lucie	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	Miami-Dade	Port Miami Tunnel	64	32	0	0	0	0	31	0	0	0	16	0
Subtotal of On Route			2669	762	1523	164	199	38	2676	1263	3665	186	64	311
Subtotal of Off Route			3704	1971	3164	929	663	1662	1646	1805	3296	1458	1436	1232
Total District 6			5772	2523	4205	1063	834	1374	3973	2820	6803	1626	1461	1542
Other Agencies			601	210	482	30	28	326	349	248	158	18	39	1
Total			6373	2733	4687	1093	862	1700	4322	3068	6961	1644	1500	1543

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