

## DMS Usage Report – October 2015

### Summary of Monthly Operations

In the month of October, there were 47,204 messages posted with 11,006 DMS activations for 1,740 events. The DMS efficiency was 99.66 % (1,734 of the 1,740 signable events had DMS messages posted). There was an average of 6.33 DMSs activated per each signable event and an average of 4.29 DMS messages were posted per each DMS activation. This resulted in an average of 27.13 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

- $\frac{11006 \text{ DMS Activations}}{1740 \text{ Events}} = \underline{6.33} \text{ Average DMS Activations per Event}$

*An average of 6.33 DMSs were activated per each signable event*

- $\frac{47204 \text{ DMS Messages}}{11006 \text{ DMS Activations}} = \underline{4.29} \text{ Average DMS Messages per Activation}$

*An average of 4.29 DMS messages were posted per each DMS activation*

- $6.33 \frac{\text{DMS Activations}}{\text{Events}} \times 4.29 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{27.13^*} \text{ DMS Messages per Event}$

*An average of 27.13\* 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	14
FDOT District 4	1176
Florida's Turnpike Enterprise	71
Miami-Dade Expressway Authority	3713
<b>Total</b>	<b>4974</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	24723
Other Districts' Incidents	1331
Construction	18993
Safety	0
Vehicle Alert	2157
<b>Total</b>	<b>47204</b>

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	221	1091	2416:29:27	100.00%
	22	I-95 NB south of NW 62 St	199	959	1810:01:13	100.00%
	75	I-95 NB before SR 112	347	1349	2048:28:49	99.96%
	77	I-95 NB beyond SW 8 St	395	1425	1672:22:31	100.00%
	2***	I-95 SB north of Ives Dairy Rd	248	1196	1835:35:48	N/A***
	3***	I-95 SB north of Miami Gardens Dr	215	825	1209:56:15	N/A***
	095NB013.5LL***	I-95 NB north of NW 173 St	82	415	914:27:46	N/A***
	20	I-95 SB south of NW 119 St	175	856	1571:10:46	100.00%
	21	I-95 SB south of NW 62 St	170	668	1168:07:51	100.00%
	74	I-95 SB beyond of SR 112	177	647	1062:11:30	100.00%
76	I-95 SB before Rickenbacker Cswy	41	287	891:41:05	100.00%	
<b><i>I-95 Mainline Subtotal</i></b>			<b>2270</b>	<b>9718</b>	<b>16600:33:01</b>	<b>100.00%</b>
I-95 Express	95X40	95X NB at NW 62nd St	151	557	933:23:54	99.90%
	95X45	95X NB at NW 125th St	182	707	1098:11:23	99.92%
	95XSB45	95X SB at NW 62nd St	161	624	1093:23:29	99.31%
	95XSB50	95X SB at NW 125th St	138	454	876:07:09	100.00%
	095SB014.6-EL***	95X SB at Miami Gardens Dr	311	1274	2112:27:14	N/A***
	095NB014.8-EL***	95X SB north of Miami Gardens Dr	57	315	874:29:02	N/A***
<b><i>I-95 Express Subtotal</i></b>			<b>1000</b>	<b>3931</b>	<b>6988:02:11</b>	<b>99.78%</b>
SR 826	14	SR 826 NB beyond NW 122 St	114	687	1134:46:27	98.68%
	4	SR 826 EB east of NW 67 Ave	121	602	1185:38:10	100.00%
	5	SR 826 EB east of NW 37 Ave	396	1615	2386:54:28	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	134	716	1311:17:39	100.00%
	19	SR 826 WB beyond NW 67 Ave	179	944	1567:05:53	99.24%
	826NB58	SR 826 NB before NW 58 St	98	607	1054:07:49	100.00%
	826SB58	SR 826 SB before NW 58 St	149	736	1673:19:48	100.00%
	826SB103****	SR 826 SB before NW 103 St	0	0	0:00:00	N/A****
	826NB1.3-LL	SR 826 NB before SW 72 St	114	566	1521:39:42	99.90%
	826NB4.8-LL**	SR 826 NB at SW 24 St	225	803	1880:24:15	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	201	793	1819:05:40	N/A**	
<b><i>SR 826 Subtotal</i></b>			<b>1731</b>	<b>8069</b>	<b>15534:19:51</b>	<b>99.73%</b>
I-75	43	I-75 NB before Miami Gardens Dr	37	388	1619:06:30	99.89%
	44	I-75 SB before Miami Gardens Dr	181	911	1163:23:22	96.03%
	42	I-75 SB ramp from NW 138 St	210	1098	1466:49:45	99.68%
<b><i>I-75 Subtotal</i></b>			<b>428</b>	<b>2397</b>	<b>4249:19:37</b>	<b>98.53%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	35	223	807:23:39	100.00%
	105	I-195 WB before Alton Rd	225	934	1589:20:39	100.00%
<b><i>I-195 Mainline Subtotal</i></b>			<b>260</b>	<b>1157</b>	<b>2396:44:18</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	257	1015	1379:45:45	100.00%
	104	I-395 WB at Watson Island	360	1135	1250:26:05	93.40%
<b><i>I-395 Subtotal</i></b>			<b>617</b>	<b>2150</b>	<b>2630:11:50</b>	<b>96.70%</b>
<b><i>Limited Access Facilities Subtotal</i></b>			<b>6306</b>	<b>27422</b>	<b>48399:10:48</b>	<b>99.48%</b>

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	0	0	0:00:00	N/A***
	112	NW 103 St EB before I-95	279	1063	712:00:24	99.75%
	106	NW 79 St EB before I-95	234	765	498:17:45	99.21%
	107	NW 54 St EB before I-95	291	965	699:08:57	99.43%
	108	SW 8 St EB before I-95	198	703	508:35:06	98.96%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1002</b>	<b>3496</b>	<b>2418:02:12</b>	<b>99.34%</b>
Golden Glades Interchange	6***	SR 826 WB west of NE 2nd Ave	420	1739	2364:49:50	N/A***
	7	Turnpike SB to Golden Glades	400	1672	2252:12:42	98.43%
	9	US-441 NB at TRI-Rail	122	616	1019:40:27	99.96%
	10	SR 9 NB before Park & Ride	122	618	1019:49:09	100.00%
	8	US-441 SB at NW 179 St	333	1454	2082:37:29	98.50%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>1397</b>	<b>6099</b>	<b>8739:09:37</b>	<b>99.22%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	206	680	1473:09:56	99.89%
	SW24WB	SW 24 St WB before SR 826	206	680	1473:10:00	99.94%
	SW40EB	SW 40 St EB before SR 826	160	589	1395:32:41	99.87%
	SW40WB	SW 40 St WB before SR 826	161	598	1401:32:42	99.94%
	SW56EB	SW 56 St EB before SR 826	128	510	1332:15:51	99.77%
	SW56WB	SW 56 St WB before SR 826	128	513	1333:06:21	99.77%
	SW72EB	SW 72 St EB before SR 826	103	468	1241:58:24	99.77%
	SW72WB	SW 72 St WB before SR 826	106	483	1258:00:27	99.77%
	WFLAGLEREB**	W Flagler ST EB before SR 826	53	265	633:36:01	N/A**
	WFLAGLERWB**	W Flagler ST WB before SR 826	0	0	0:00:00	N/A**
<b><i>SR 826 Arterial Subtotal</i></b>			<b>1251</b>	<b>4786</b>	<b>11542:22:23</b>	<b>99.84%</b>
I-195 Arterial	38	Alton Rd SB before I-195	147	483	413:15:23	99.77%
	39	Arthur Godfrey WB before I-195	144	475	412:36:58	99.77%
	40	Alton Rd NB before I-195	146	483	413:55:47	99.77%
<b><i>I-195 Arterial Subtotal</i></b>			<b>437</b>	<b>1441</b>	<b>1239:48:08</b>	<b>99.77%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	159	678	1188:40:18	100.00%
	45	US-1 SB before SW 80 St	42	236	825:03:44	99.90%
	47	US-1 SB at Florida's Turnpike	30	213	798:58:26	99.73%
	46	US-1 NB before Killian Dr	75	427	1263:59:02	100.00%
	48	US-1 NB at Florida's Turnpike	32	220	802:06:47	99.75%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>338</b>	<b>1774</b>	<b>4878:48:17</b>	<b>99.88%</b>

**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	30	214	805:34:55	99.97%
	64	US-1 NB at Mile Marker 106	25	170	672:34:08	88.04%
	66	US-1 NB at Mile Marker 91.5	32	215	782:59:26	99.92%
	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	28	320	1537:04:24	99.90%
	61	US-1 SB at Mile Marker 126	38	344	1559:39:09	100.00%
	63	US-1 SB at Mile Marker 113	35	228	792:52:30	88.89%
	65	US-1 SB at Mile Marker 106	31	240	857:40:21	96.92%
	67	US-1 SB at Mile Marker 91.5	35	232	893:21:30	99.20%
	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	21	223	793:14:54	99.93%
<b>US-1 South of Florida City Subtotal</b>			<b>275</b>	<b>2186</b>	<b>8695:01:17</b>	<b>96.97%</b>
<b>Arterials Subtotal</b>			<b>4700</b>	<b>19782</b>	<b>37513:11:54</b>	<b>98.92%</b>
<b>Limited Access Facilities Subtotal</b>			<b>6306</b>	<b>27422</b>	<b>48399:10:48</b>	<b>99.48%</b>
<b>Grand Total</b>			<b>11006</b>	<b>47204</b>	<b>85912:22:42</b>	<b>99.17%</b>

\*DMS 15, 68, 69, and 95XSBNW125ST0050 were 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.

\*\*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.

\*\*\*\*DMS 826SBNW103ST01 is under the SR-826/I-75 Express Lanes Contractor and is undergoing testing for Capital Improvement; thus, system availability is not measured for this device.

**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			453	168	336	149	62	55	12	110	79	80	238	415
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	I-95	4,832	1106	1203	20	643	1013	2,839	2,890	27	1,099	336	5
	Miami-Dade	Express Lanes	1021	978	368	0	0	303	0	1010	0	0	16	0
	Miami-Dade	I-195	33	0	0	0	34	8	34	0	0	84	6	0
	Miami-Dade	I-395	76	17	0	0	8	69	59	0	0	22	26	0
	Miami-Dade	MacArthur Causeway	233	48	0	0	3	102	42	0	0	9	30	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	301	203	3,271	1532	0	9	90	863	2,511	0	177	0
	Miami-Dade	I-75	0	0	206	63	0	0	0	3	0	0	0	0
	Miami-Dade	US-1	26	3	0	0	4	8	13	0	6	12	30	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	174
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	7
	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	1,750	955	1,603	495	269	258	0	788	1375	0	812	1,580	
Monroe	OTHER	3	3	5	1	2	1	0	1	0	0	3	5	
MDX	Miami-Dade	SR-836	373	80	771	20	31	239	130	0	746	21	61	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	394	151	0	0	101	85	197	9	0	114	20	0
	Miami-Dade	SR-874	0	0	5	0	0	0	0	0	39	0	9	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	8	0
Miami-Dade	SR-924	0	0	49	60	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	191	195	103	0	0	0	79	386	0	0	0	0
	Broward	I-75	0	0	135	57	0	0	0	3	3	0	0	0
	Broward	I-595	3	6	3	0	0	0	0	12	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	21	14	11	0	0	0	1	24	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	8	4	0	0	0	0	0	0	0	2	0	
Subtotal of On Route			4,832	978	3,271	63	34	69	2,839	2,890	2,511	84	30	174
Subtotal of Off Route			4,886	2,953	4,798	2,334	1,123	2,081	657	3,209	2,275	1,357	1,744	2,012
Total District 6			8,728	3,481	6,992	2,260	1025	1,826	3,089	5,665	3,998	1,306	1,674	2,186
Other Agencies			990	450	1077	137	132	324	407	434	788	135	100	0
Total			9,718	3,931	8,069	2,397	1,157	2,150	3,496	6,099	4,786	1,441	1,774	2,186

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

