DMS Usage Report – March 2019

Summary of Monthly Operations

In the month of March, there were 41,719 messages posted with 11,079 DMS activations for 1,633 events. The DMS efficiency was 99.76% (1,629 of the 1,633 signable events had DMS messages posted) for all roadways. There was an average of 6.78 DMSs activated per each signable event and an average of 3.77 DMS messages were posted per each DMS activation. This resulted in an average of 25.55 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{11{,}079\ DMS\ Activations}{1{,}633\ Events}$ = **6.78** *Average DMS Activations per Event*

  An average of 6.78 DMSs were activated per each signable event

- $\frac{41{,}719\ DMS\ Messages}{11{,}079\ DMS\ Activations}$ = **3.77** *Average DMS Messages per Activation*

  An average of 3.77 DMS messages were posted per each DMS activation

- $6.78\ \frac{DMS\ Activations}{Events}$ x $3.77\ \frac{DMS\ Messages}{DMS\ Activations}$ = **25.55*** *DMS Messages per Event*

  An average of 25.55 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	163
FDOT District 4	897
Florida's Turnpike Enterprise	52
Miami-Dade Expressway Authority	922
Total	**2034**

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	14156
Other Districts' Incidents	1314
Construction	11211
Safety	11498
Vehicle Alert	3540
Total	**41719**

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	215	640	1745:43:24	100.00%
	22	I-95 NB south of NW 62 St	141	467	1077:10:20	100.00%
	75	I-95 NB before SR 112	299	926	1677:21:36	100.00%
	77	I-95 NB beyond SW 8 St	344	1181	2619:21:36	100.00%
	2	I-95 SB north of Ives Dairy Rd	200	720	1734:52:28	100.00%
	3	I-95 SB north of Miami Gardens Dr	274	982	1873:18:48	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	122	418	1069:20:25	100.00%
	20	I-95 SB south of NW 119 St	164	611	1364:48:52	100.00%
	21	I-95 SB south of NW 62 St	170	550	1380:53:16	100.00%
	74	I-95 SB beyond of SR 112	165	709	1789:23:49	100.00%
	76	I-95 SB before Rickenbacker Cswy	43	275	979:53:52	100.00%
		I-95 Mainline Subtotal	***2137***	***7479***	***17312:08:26***	***100.00%***
I-95 Express	95X40	95X NB at NW 62nd St	167	539	1203:39:24	99.24%
	95X45	95X NB at NW 125th St	199	643	1263:35:34	100.00%
	95XSB45	95X SB at NW 62nd St	146	506	1231:46:02	100.00%
	95XSB50	95X SB at NW 125th St	121	472	1176:07:46	99.24%
	095SB014.6-EL	95X SB at Miami Gardens Dr	297	992	2003:00:57	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	96	355	1048:07:07	99.29%
		I-95 Express Subtotal	***1026***	***3507***	***7926:16:50***	***99.63%***
SR 826	4	SR 826 EB east of NW 67 Ave	84	282	861:34:00	99.54%
	5	SR 826 EB east of NW 37 Ave	338	1076	1986:54:06	100.00%
	14**	SR 826 NB beyond NW 122 St	100	308	812:52:19	N/A**
	15	SR 826 WB beyond NW 17 Ave	48	187	779:55:32	79.03%
	17	SR 826 WB beyond NW 47 Ave	86	285	1123:07:41	100.00%
	19	SR 826 WB beyond NW 67 Ave	113	349	1226:09:56	100.00%
	826NB58**	SR 826 NB before NW 58 St	99	308	1088:45:20	N/A**
	826SB103**	SR 826 SB before NW 103 St	83	295	957:38:39	N/A**
	826SB58**	SR 826 SB before NW 58 St	88	286	953:21:21	N/A**
	826NB1.3-LL	SR 826 NB before SW 72 St	81	324	1248:18:12	99.48%
	826NB4.8-LL	SR 826 NB at SW 24 St	192	539	1711:16:28	100.00%
	826SB8.8-LL**	SR 826 SB at NW 36 St	137	348	1085:08:07	N/A**
		SR 826 Subtotal	***1449***	***4587***	***13835:01:41***	***96.86%***
I-75	43**	I-75 NB before Miami Gardens Dr	36	283	1666:24:03	N/A**
	44**	I-75 SB before Miami Gardens Dr	111	355	1120:25:49	N/A**
	42**	I-75 SB ramp from NW 138 St	109	370	1109:08:00	N/A**
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	55	251	1000:30:54	95.72%
		I-75 Subtotal	***311***	***1259***	***4896:28:46***	***95.72%***
I-195 Mainline	57	I-195 EB before North Miami Ave	52	215	756:52:43	100.00%
	105	I-195 WB before Alton Rd	191	891	1949:33:48	100.00%
		I-195 Mainline Subtotal	***243***	***1106***	***2706:26:31***	***100.00%***
I-395	886WB	Port Blvd WB before US-1	228	969	2564:01:38	100.00%
	104	I-395 WB at Watson Island	254	750	1516:16:19	80.02%
		I-395 Subtotal	***482***	***1719***	***4080:17:57***	***90.01%***
		Limited Access Facilities Subtotal	***5648***	***19657***	***50756:40:11***	***98.42%***

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	126	485	967:34:42	83.59%
	113	Ives Dairy Rd WB before I-95	87	298	631:36:45	71.11%
	110	Miami Gardens Dr EB before I-95	212	761	1283:34:54	99.94%
	111	Miami Gardens Dr WB before I-95	220	788	1288:31:35	100.00%
	112	NW 103 St EB before I-95	231	756	1577:47:59	95.32%
	106	NW 79 St EB before I-95	209	653	1294:37:25	96.39%
	107	NW 54 St EB before I-95	183	575	1108:28:21	79.77%
	108	SW 8 St EB before I-95	126	411	806:44:20	85.87%
		I-95 Arterial Subtotal	***1394***	***4727***	***8958:56:01***	***89.00%***
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	344	1115	1961:48:04	97.80%
	7	Turnpike SB to Golden Glades	260	904	1592:48:18	87.42%
	9	US-441 NB at TRI-Rail	112	414	1036:51:56	90.89%
	10	SR 9 NB before Park & Ride	113	412	1037:08:09	90.89%
	8	US-441 SB at NW 179 St	230	864	1684:01:18	90.89%
		Golden Glades Interchange Subtotal	***1059***	***3709***	***7312:37:45***	***91.58%***
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	123	460	1562:39:57	100.00%
	SW24WB	SW 24 St WB before SR 826	123	460	1562:39:57	100.00%
	SW40EB	SW 40 St EB before SR 826	111	431	1510:13:25	100.00%
	SW40WB	SW 40 St WB before SR 826	112	432	1510:33:37	100.00%
	SW56EB	SW 56 St EB before SR 826	90	395	1492:33:15	100.00%
	SW56WB	SW 56 St WB before SR 826	90	395	1492:33:12	100.00%
	SW72EB	SW 72 St EB before SR 826	81	378	1474:10:03	100.00%
	SW72WB	SW 72 St WB before SR 826	81	372	1471:05:51	99.44%
	WFLAGLEREB	W Flagler ST EB before SR 826	132	442	1431:57:24	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	132	442	1431:43:04	100.00%
	NW25EB	NW 25 ST EB before SR 826	141	465	1453:33:40	100.00%
	NW25WB	NW 25 ST WB before SR 826	141	465	1453:33:42	100.00%
	NW36EB	NW 36 ST EB before SR 826	147	472	1665:23:54	100.00%
	NW36WB	NW 36 ST WB before SR 826	148	471	1630:27:58	100.00%
	SW8EB	SW 8 ST EB before SR 826	127	492	1552:41:33	100.00%
	SW8WB	SW 8 ST WB before SR 826	126	485	1551:50:20	100.00%
	SW88EB	Kendall DR EB before SR 826	75	367	1451:13:37	99.51%
	SW88WB	Kendall DR WB before SR 826	74	362	1434:37:26	99.36%
		SR 826 Arterial Subtotal	***2054***	***7786***	***27133:31:55***	***99.91%***
I-195 Arterial	38	Alton Rd SB before I-195	101	888	2302:01:11	100.00%
	39	Arthur Godfrey WB before I-195	101	884	2301:41:06	100.00%
	40	Alton Rd NB before I-195	101	693	2049:11:45	100.00%
		I-195 Arterial Subtotal	***303***	***2465***	***6652:54:02***	***100.00%***

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	236	753	1846:15:36	100.00%
	45	US-1 SB before SW 80 St	46	255	965:20:00	100.00%
	47	US-1 SB at Florida's Turnpike	32	220	953:46:29	100.00%
	46	US-1 NB before Killian Dr	61	350	1253:46:37	100.00%
	48	US-1 NB at Florida's Turnpike	36	244	974:10:03	100.00%
US-1 in Miami-Dade County Subtotal			***411***	***1822***	***5993:18:45***	***100.00%***
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	30	212	952:58:14	99.87%
	64	US-1 NB at Mile Marker 106	28	200	820:05:02	92.77%
	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	35	283	1685:50:29	99.10%
	61	US-1 SB at Mile Marker 126	33	267	1696:03:27	100.00%
	63	US-1 SB at Mile Marker 113	31	198	838:50:23	93.51%
	65	US-1 SB at Mile Marker 106	29	194	820:01:02	93.06%
	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	24	199	928:37:50	98.41%
US-1 South of Florida City Subtotal			***210***	***1553***	***7742:26:27***	***96.67%***
Arterials Subtotal			***5431***	***22062***	***63793:44:55***	***95.72%***
Limited Access Facilities Subtotal			***5648***	***19657***	***50756:40:11***	***98.42%***
Grand Total			***11079***	***41719***	***114550:25:06***	***97.31%***

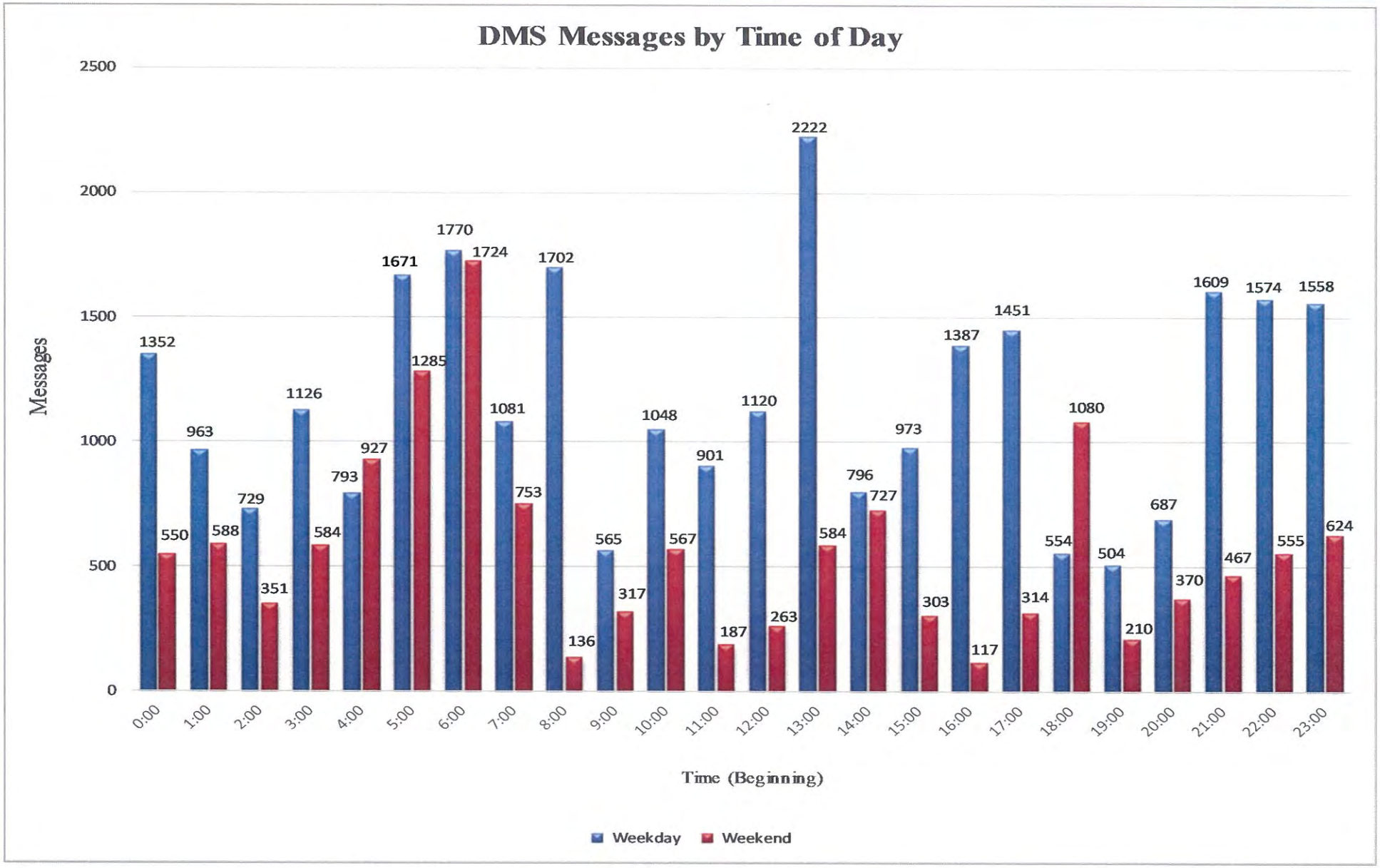
**DMS undergoing testing for Capital Improvement and were used periodically. Messages posted on these DMS are not computed and system availability is not measured for these devices.*

***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			510	276	532	141	92	76	180	225	823	138	234	313
Safety Messaging			1415	963	1321	379	222	282	959	701	3009	381	805	1061
District 6	Miami-Dade	I-95	2861	689	463	9	391	527	2962	1312	60	491	212	3
District 6	Miami-Dade	95 Express	1162	1208	339	0	0	267	6	874	0	0	296	0
District 6	Miami-Dade	I-195	136	1	0	0	359	27	93	3	0	951	7	0
District 6	Miami-Dade	I-395	31	7	0	0	0	58	12	0	0	0	8	0
District 6	Miami-Dade	MacArthur Causeway	500	3	0	0	1	255	1	0	0	495	3	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	190	121	1429	332	10	5	166	304	3910	9	107	0
District 6	Miami-Dade	I-75	0	0	94	69	0	0	0	0	37	0	0	0
District 6	Miami-Dade	US-1	86	6	2	0	2	36	39	0	126	0	110	0
District 6	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	1	65
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	31	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	63	12	18	54	6	2	0	3	0	0	9	110
District 6	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	209	3	265	0	0	184	8	0	0	0	0	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	50	25	0	0	23	0	9	0	0	0	0	0
MDX	Miami-Dade	SR-874	0	0	9	0	0	0	0	0	66	0	9	0
MDX	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	3	0
MDX	Miami-Dade	SR-924	0	0	29	24	0	0	0	0	6	0	0	0
District 4	Broward	I-95	125	116	51	0	0	0	247	213	0	0	0	0
District 4	Broward	95 Express	58	29	29	0	0	0	0	29	0	0	0	0
District 4	Broward	I-75	0	0	0	0	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	1	2	1	0	0	0	2	7	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	10	10	5	0	0	0	6	7	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	72	36	0	0	0	0	37	0	0	0	18	0
Subtotal of On Route			2861	1208	1429	69	359	58	2962	1312	3910	951	110	65
Subtotal of Off Route			4618	2299	3158	939	747	1661	1765	2397	4127	1514	1712	1488
Total District 6			6954	3286	4198	984	1083	1535	4418	3453	7965	2465	1792	1552
Other Agencies			525	221	389	24	23	184	309	256	72	0	30	1
Total			7479	3507	4587	1008	1106	1719	4727	3709	8037	2465	1822	1553

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
Messages
2500
2000
1500
1000
500
0
0:00 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00
1352 550
963 588
729 351
1126 584
793 927
1671 1285
1770 1724
1081 753
1702 136
565 317
1048 567
901 187
1120 263
2222 584
796 727
973 303
1387 117
1451 314
554 1080
504 210
687 370
1609 467
1574 555
1558 624
Time (Beginning)
Weekday
Weekend