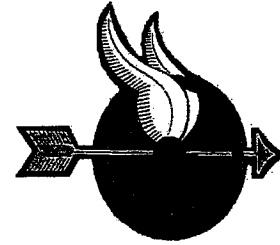




MEDFORD POLICE

Traffic Division

Collision Analysis/Reconstruction Section



Officer Carl Brooks
100 Main Street
Medford, MA 02155
Emergency: 781-395-1212
Business: 781-391-6412
Fax: 781-395-8775

11/08/2016

Medford Traffic Commission,
c/o Ms. Alva Erikson
100 Main Street
Medford, MA 02155

Ladies and Gentlemen,

I'm sending you this recommendation after receiving numerous complaints from residents, Traffic Supervisors and the Medford school bus contractor concerning the increase in morning traffic on Fulton Street. The traffic increase comes from two main locations. The first location is traffic entering Fulton Street from Woodland Road. The second location is Fellsway East onto Murray Hill Road. Traffic then flows onto Fulton Spring Road to Fulton Street.

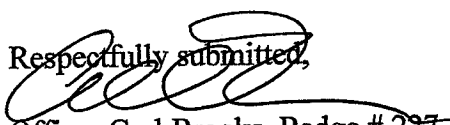
The Woodland Road and Fulton Street entry is primarily commuters from the towns Stoneham, Melrose, Wakefield and north. They are coming through Medford to gain access to Rt. 93 via Roosevelt Circle. As you know, traffic leaves the rotary at Woodland and Elm and enters Fulton Street. To do this the drivers have to move against the traffic flow of Elm Street. DCR attempted to prohibit these actions by painting roadway lines which extend from the median outward into the rotary. The lines they painted didn't extend far enough to indicate to the driver they were making an illegal turn. I've made a request through the DCR Traffic Engineering Department for those lines be extended. They were amicable to that change and would try to get to it before the weather changed. Even with those lines extended, I believe traffic will continue to flow onto Fulton. I am requesting that the end of Fulton Street have a "Do Not Enter" sign posted. That sign should prohibit traffic from entering Fulton Street between 7:00 A.M. and 9:00 A.M. Similar signs should be posted at the following intersections: Sturges Street @ Highland Avenue, Wason @ Highland Avenue, Baxter @ Elm Street and Sturges @ Elm Street. Those four intersections would prohibit traffic attempting to avoid the Fulton Street "Do Not Enter" sign and gain access to Fulton Street.

The second entry point at Murray Hill and Fellsway West is in Malden. I've requested to be placed on the agenda of the Malden Traffic Commission. My intention is to request a Do Not Enter sign be placed at the end of Murray Hill Road at Fellsway East. That sign should also limit traffic between 7:00 A.M. and 9:00 A.M. Also, a second sign at the end of Hospital Road indicating No Right Turn onto Murray Hill Road.

These measures should reduce the traffic pressure placed on Fulton Street. More importantly it will reduce the traffic flow on Fulton Spring Road at Fulton Street. Which has proved to be an increasingly dangerous school bus stop location.

Thank you for your consideration in this matter.

Respectfully submitted,


Officer Carl Brooks, Badge # 227
Traffic Division, Medford Police

Vehicle Flow

VehicleFlow-70 (Non metric) Site:Murray Hill Road.0.1EW

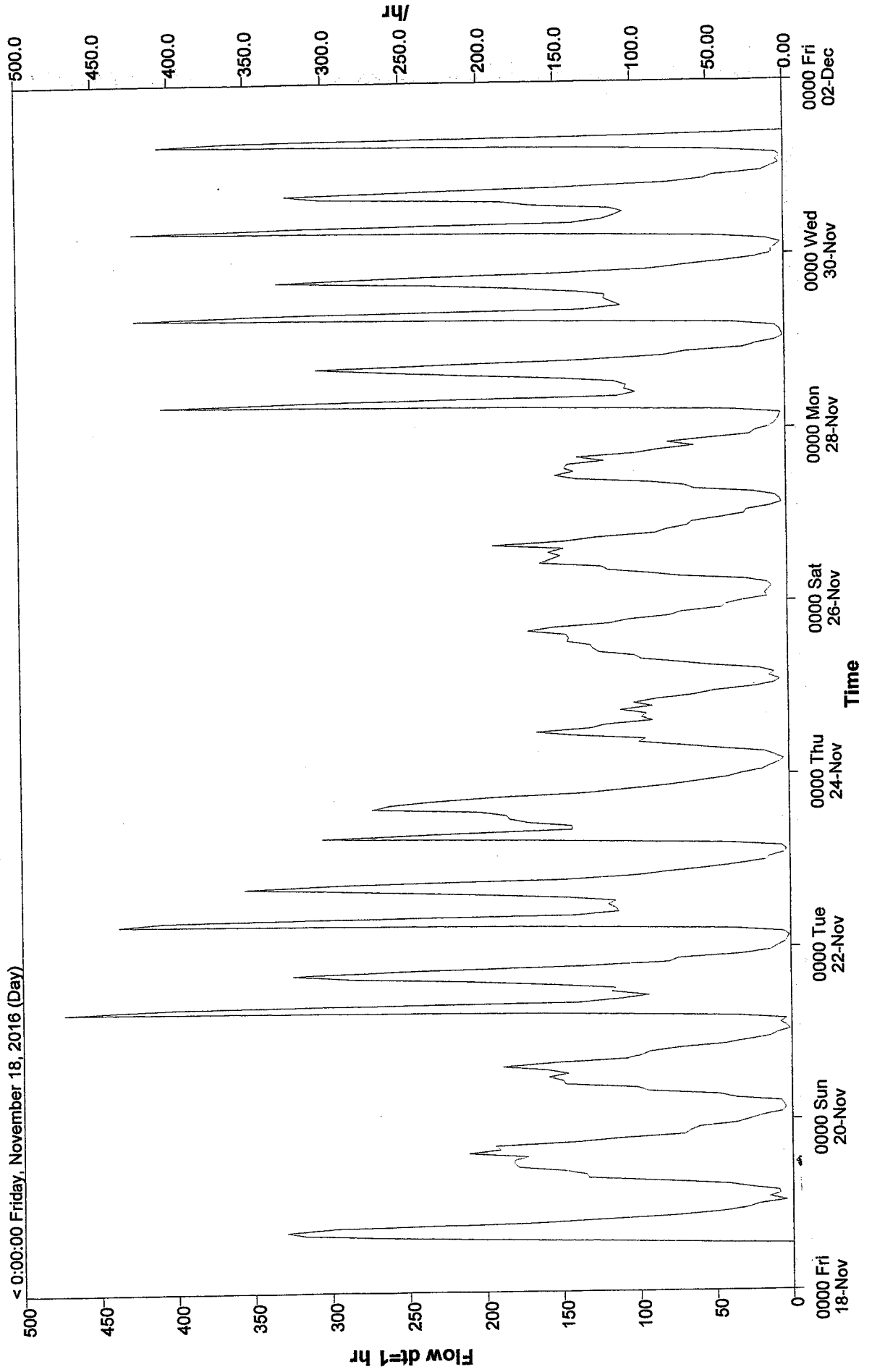
Description: MCSetup factory setup

Filter time: 10:40 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016

Filter: CIs(1-13) Dir(NESW) Sp(6,99) Headway(>0) Span(0 - 328.084) Lane(0-16)

Scheme: Vehicle classification (Scheme F3)

■ Profile



MetroCount Traffic Executive Speed Statistics by Hour

SpeedStatHour-59 -- English (ENU)

Datasets:

Site:

Attribute:

Direction:

Survey Duration:

Zone:

File:

Identifier:

Algorithm:

Data type:

[Murray Hill Road] MCSetup factory setup

8 - East bound A>B, West bound B>A. Lane: 0

10:39 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016,

Murray Hill Road 0 2016-12-01 1024.EC0 (Plus)

MV36C50N MC5900-X10 (c)MetroCount 18Jul16

Factory default axle (v5.02)

Axle sensors - Paired (Class/Speed/Count)

10:40 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016 (12.9887)

Profile:

Filter time:

Included classes:

Speed range:

Direction:

Separation:

Name:

Scheme:

Units:

In profile:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

6 - 99 mph.

North, East, South, West (bound), P = East, Lane = 0-16

Headway > 0 sec, Span 0 - 328.084 ft

Default Profile

Vehicle classification (Scheme F3)

Non metric (ft, mi, ft/s, mph, lb, ton)

Vehicles = 33533 / 33568 (99.90%)

Speed Statistics by Hour

SpeedStatHour-59

Site: Murray Hill Road.0.1EW
Description: MCSetup factory setup
Filter time: 10:40 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016
Scheme: Vehicle classification (Scheme F3)
Filter: CIs(1-13) Dir(NESW) Sp(6,99) Headway(>0) Span(0 - 328.084) Lane(0-16)

Vehicles = 33533
 Posted speed limit = 37 mph, Exceeding = 27 (0.081%), Mean Exceeding = 40.30 mph
 Maximum = 54.5 mph, Minimum = 6.4 mph, Mean = 22.3 mph
 85% Speed = 26.28 mph, 95% Speed = 28.58 mph, Median = 22.43 mph
 12 mph Pace = 16 - 28, Number In Pace = 29832 (88.96%)
 Variance = 15.85, Standard Deviation = 3.98 mph

Hour Bins (Partial days)

Time	Bin	Min	Max	Mean	Median	85%	95%	>PSL 37 mph
0000	227 0.677%	10.0	38.5	23.3	23.3	27.7	30.8	1 0.441%
0100	125 0.373%	11.1	38.6	22.9	23.2	27.0	30.8	1 0.800%
0200	89 0.265%	13.0	32.3	23.1	23.0	27.9	30.7	0 0.000%
0300	66 0.197%	9.7	36.4	22.7	22.7	27.4	32.7	0 0.000%
0400	77 0.230%	14.6	32.2	22.1	22.3	25.4	30.0	0 0.000%
0500	352 1.050%	9.9	33.4	22.6	22.8	27.0	29.0	0 0.000%
0600	1308 3.901%	7.5	35.9	22.7	22.8	26.8	28.6	0 0.000%
0700	3254 9.704%	7.4	45.1	20.9	20.8	24.8	27.3	1 0.031%
0800	2905 8.663%	6.9	33.5	20.2	20.1	24.2	26.5	0 0.000%
0900	1551 4.625%	6.6	35.0	21.7	21.8	25.9	28.0	0 0.000%
1000	1459 4.351%	9.8	39.5	22.2	22.4	26.1	28.3	1 0.069%
1100	1615 4.816%	7.1	54.5	22.4	22.4	26.3	28.6	3 0.186%
1200	1675 4.995%	7.2	36.7	22.8	23.0	26.7	29.1	0 0.000%
1300	1651 4.924%	8.1	34.6	22.9	23.2	26.9	29.3	0 0.000%
1400	1961 5.848%	6.9	40.6	22.6	22.8	26.5	29.1	1 0.051%
1500	2400 7.157%	7.5	35.7	22.9	23.1	26.8	28.9	0 0.000%
1600	2878 8.583%	7.1	36.7	23.0	23.2	26.7	28.8	0 0.000%
1700	2992 8.923%	7.9	39.4	22.8	22.9	26.3	28.3	2 0.067%
1800	2413 7.196%	9.1	42.7	22.8	23.0	26.4	28.6	4 0.166%
1900	1566 4.670%	6.4	43.6	22.6	22.7	26.4	28.7	5 0.319%
2000	1133 3.379%	7.9	45.6	22.6	22.6	26.7	29.1	1 0.088%
2100	879 2.621%	10.6	41.0	22.7	22.6	26.6	29.2	3 0.341%
2200	588 1.753%	9.3	38.0	23.5	23.5	27.4	30.7	4 0.680%
2300	369 1.100%	6.4	35.6	23.2	23.2	27.3	30.4	0 0.000%
----	33533 100.0%	6.4	54.5	22.3	22.4	26.3	28.6	27 0.081%

MetroCount Traffic Executive Vehicle Counts

VehicleCount-62 -- English (ENU)

Datasets:

Site: [Murray Hill Road] MCSetup factory setup
Attribute:
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 10:39 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016,
Zone:
File: Murray Hill Road 0 2016-12-01 1024.EC0 (Plus)
Identifier: MV36C50N MC5900-X10 (c)MetroCount 18Jul16
Algorithm: Factory default axle (v5.02)
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 10:40 Friday, November 18, 2016 => 10:23 Thursday, December 01, 2016 (12.9887)
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 6 - 99 mph.
Direction: North, East, South, West (bound), P = East, Lane = 0-16
Separation: Headway > 0 sec, Span 0 - 328.084 ft
Name: Default Profile
Scheme: Vehicle classification (Scheme F3)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: Vehicles = 33533 / 33568 (99.90%)

* Friday, November 18, 2016 - Total=1743 (Incomplete) , 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	0	0	0	114	238	316	329	294	177	123	76	46	30	
-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	57	62	75	93	67	29	24	19	7	9
-	-	-	-	-	-	-	-	-	-	-	0	0	0	17	51	70	82	76	47	23	16	11	6	3
-	-	-	-	-	-	-	-	-	-	0	0	0	0	42	62	89	77	63	33	31	18	8	9	7
-	-	-	-	-	-	-	-	-	-	0	0	0	0	55	68	95	95	62	30	40	18	8	8	3

PM Peak 1715 - 1815 (347), PM PHF=0.91

* Saturday, November 19, 2016 - Total=2428, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
22	4	15	8	9	28	42	86	133	135	148	179	182	182	173	211	191	194	141	110	71	67	61	36	
9	1	1	2	5	6	2	8	27	24	31	31	43	47	51	41	49	64	38	38	19	18	15	15	5
3	0	7	1	3	3	7	24	32	22	30	45	48	58	40	59	38	42	38	29	20	17	15	7	6
7	1	3	1	1	13	17	22	34	35	44	50	56	38	38	44	50	47	31	19	18	18	20	6	8
3	2	4	4	0	6	16	32	40	54	43	53	35	39	44	67	54	41	34	24	14	14	11	8	9

AM Peak 1145 - 1245 (200), AM PHF=0.89 PM Peak 1515 - 1615 (219), PM PHF=0.82

* Sunday, November 20, 2016 - Total=1917, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
28	19	6	4	5	7	36	48	94	101	148	149	159	146	160	189	156	108	98	93	74	45	30	14	
5	6	0	0	2	0	4	15	21	22	38	39	42	26	34	47	40	18	27	23	26	14	9	7	2
6	4	1	1	2	3	3	7	18	29	35	33	38	39	41	45	42	36	30	24	19	9	8	2	2
8	8	2	2	0	2	8	15	25	27	40	38	38	43	42	53	33	24	21	17	16	6	4	3	3
9	1	3	1	1	2	21	11	30	23	35	39	41	38	43	44	41	30	20	29	13	16	9	2	2

AM Peak 1130 - 1230 (157), AM PHF=0.93 PM Peak 1500 - 1600 (189), PM PHF=0.89

* Monday, November 21, 2016 - Total=3235, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
9	1	3	7	3	36	162	473	401	140	110	93	117	115	155	209	286	324	254	137	80	74	33	13	
2	1	0	1	1	2	22	105	120	52	32	22	28	37	29	46	58	68	74	51	23	23	12	6	3
2	0	1	0	0	6	20	134	110	33	31	24	33	25	40	47	88	93	65	35	24	21	10	3	1
3	0	0	1	1	11	37	117	92	31	22	21	29	28	44	52	66	86	56	26	21	12	8	3	2
2	0	2	5	1	17	83	117	79	24	25	26	27	25	42	64	74	77	59	25	12	18	3	1	3

AM Peak 0715 - 0815 (488), AM PHF=0.91 PM Peak 1715 - 1815 (330), PM PHF=0.89

* Tuesday, November 22, 2016 - Total=3358, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
9	4	2	1	4	37	167	437	408	141	112	114	119	114	146	208	279	355	284	147	101	81	54	34	
3	3	0	1	0	3	14	100	118	42	31	33	35	34	30	47	59	83	90	42	28	22	22	10	7
1	1	0	0	1	6	25	130	116	37	27	23	27	25	37	48	61	99	64	38	28	29	6	12	5
2	0	2	0	3	15	48	108	99	33	31	32	28	29	34	48	72	83	52	34	29	18	17	6	2
3	0	0	0	0	13	80	99	75	29	23	26	29	26	45	65	87	90	78	33	16	12	9	6	2

AM Peak 0715 - 0815 (455), AM PHF=0.88 PM Peak 1715 - 1815 (362), PM PHF=0.91

* Wednesday, November 23, 2016 - Total=3170, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
16	13	4	2	5	41	158	304	230	142	142	171	183	185	202	272	260	233	192	133	105	78	59	40	
7	2	0	1	0	8	15	74	85	38	44	38	40	53	48	63	50	74	57	39	31	29	17	11	8
5	2	1	0	0	8	32	87	62	31	30	32	46	47	39	64	75	57	34	22	34	19	14	11	7
2	4	3	1	2	14	47	72	46	36	33	57	53	45	55	64	75	52	55	44	23	14	14	11	9
2	5	0	0	3	11	64	71	37	37	35	44	44	40	60	81	60	50	46	28	17	16	14	7	7

AM Peak 0715 - 0815 (315), AM PHF=0.91 PM Peak 1615 - 1715 (284), PM PHF=0.95

* Thursday, November 24, 2016 - Total=1729, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
31	17	12	6	3	9	15	45	70	98	140	165	129	120	89	96	93	110	89	101	86	63	48		
8	4	5	3	1	2	1	6	20	19	29	36	48	30	35	25	21	25	21	31	18	20	20	12	4
7	5	4	1	1	3	3	6	17	17	26	35	38	32	32	23	30	20	37	20	37	22	13	9	8
9	4	2	1	1	2	4	17	15	26	14	32	39	38	27	20	24	22	29	15	31	22	17	17	4
7	4	1	1	0	2	7	16	18	36	25	37	40	29	26	21	21	26	23	23	15	22	13	10	5

AM Peak 1145 - 1245 (162), AM PHF=0.84 PM Peak 1200 - 1300 (165), PM PHF=0.86

* Friday, November 25, 2016 - Total=1975, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
21	9	5	12	9	18	50	71	96	100	123	127	129	144	143	145	170	153	116	104	77	70	43	40	
4	1	0	3	2	0	11	16	21	21	32	27	30	41	35	32	42	41	33	30	25	21	14	7	11
8	2	1	2	2	1	9	16	25	25	23	35	34	32	41	40	56	47	30	25	15	17	11	9	5
4	3	2	4	4	10	14	19	30	27	33	30	33	45	35	36	28	34	26	29	16	16	11	8	6
5	3	2	3	1	7	16	20	20	27	35	35	32	26	32	37	44	31	27	20	21	16	7	16	7

AM Peak 1145 - 1245 (132), AM PHF=0.94 PM Peak 1530 - 1630 (171), PM PHF=0.76

* Saturday, November 26, 2016 - Total=2080, 15 minute drops

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
29	13	14	12	10	13	27	70	90	117	121	162	155	148	156	146	192	145	125	86	79	65	62	43	
11	1	5	7	6	3	2	12	18	26	23	44	42	33	37	41	52	42	39	23	25	16	12	16	7
5	4	4	3	2	2	8	11	27	30	32	42	36	41	50	32	35	34	32	24	18	18	13	7	8
6	6	2	1	1	3	8	25	22	20	23	26	43	41	32	37	51	40	26	22	16	16	19	10	6
7	2	3	1	1	5	9	22	23	41	43	50	34	33	37	36	54	29	28	17	20	15	18	10	7

AM Peak 1145 - 1245 (171), AM PHF=0.85 PM Peak 1600 - 1700 (192), PM PHF=0.89

Thanksgiving Day

