

Old Colony Planning Council



Robert G. Moran, Jr.
President

70 School Street
Brockton, MA 02301-4097

Pasquale Claramella
Executive Director

Telephone: (508) 583-1833

Fax: (508) 559-8768

Email: info@ocpcrpa.org

Website: www.ocpcrpa.org

February 18, 2011

Mr. Thomas Bott, AICP, Town Planner
Town of Kingston
26 Evergreen Street
Kingston, MA 02364

Re: Elm Street, Brook Street, and Surrounding Area Analysis

Dear Mr. Bott,

Per your request through the Old Colony Planning Council's Local Highway Transportation Planning Technical Assistance Program, OCPC has completed traffic analysis of Elm Street, Brook Street, and the surrounding area ahead. Data was collected in September 2010, and is summarized in the following tables.

Table 1: Automatic Traffic Recorder (ATR) Mainline Traffic Data, 2010

Location	Volume	% Heavy Vehicles	Posted Speed Limit	85th Percentile Speed	10 MPH Pace Speed
Brook Street (Route 80), west of Main Street (Route 3A)	4,490	6.87%	40 MPH	45 MPH	36 - 45 MPH
Elm Street (Route 80), south of Brook Street (Route 80)	5,299	6.98%	35 MPH	44 MPH	36 - 45 MPH
Elm Street, South of Main Street (Route 3A)	2,707	6.33%	35 MPH	40 MPH	31 - 40 MPH
Main Street (Route 106), west of Elm Street	13,383	5.02%	35 MPH	39 MPH	31 - 40 MPH
Main Street (Route 106), west of Summer Street (Route 3A)	12,234	10.81%	35 MPH	42 MPH	31 - 40 MPH
Green Street, west of Summer Street (Route 3A)	2,406	7.53%	30 MPH	37 MPH	26 - 35 MPH

Table 2: Intersection Data

Intersection	Average Daily Entering Volume	AM Peak Hour LOS	PM Peak Hour LOS	Crash Rate	Above Regional Average Crash Rate?
Brook Street (Route 80) at Elm Street	6,344	B	C	0.43	No
Main Street (Route 3A) at Brook Street (Route 80)	24,556	B	B	0.37	No
Main Street (Route 3A / Route 106) at Summer Street (Route 3A)	17,900	D	E	1.84	Yes
Main Street (Route 106) at Elm Street	15,400	C	D	0.36	No

MassDOT District 5 Regional Average Crash Rates are 0.77 for signalized intersections, and 0.62 for unsignalized intersections, as of January 2010

In addition to the intersection level of service and crash rate analysis summarized in Table 2, traffic signal warrant analyses were performed for the two intersections most likely to be most affected by improvements to the Elm Street Bridge: Elm Street at Brook Street (Route 80); and Main Street (Route 106) at Elm Street. None of the Manual On Uniform Traffic Control Device's (MUTCD) warrants for traffic signals were satisfied for the Elm Street at Brook Street intersection; while one (Warrant 8 – Roadway Network) of the eight warrants was satisfied for the Main Street (Route 106) at Elm Street intersection.

With the forthcoming replacement of the Elm Street Bridge over the Jones River, some rebalancing of area traffic circulation may occur on the Elm Street link between Brook Street (Route 80) and Main Street (Route 106). However, given the layout of the area roadway network, major changes are not likely. The bulk of Elm Street traffic to and from the Routes 3A and 3 corridors currently utilize Brook Street, and will likely do so after the bridge replacement. Likewise, much of the traffic between Elm Street and Routes 106, 27, and points west currently use the Elm Street link, and likely continue to do so following bridge replacement. It is noted that the predominant move during the morning and afternoon peak travel periods at the intersection of Elm Street and Brook Street is the movement to and from Brook Street (Route 80) and the southern leg of Elm Street (Route 80).

Given that, Old Colony Planning Council recommends routine monitoring of area roadways and intersections following the Elm Street bridge replacement to assess any changes in the area traffic pattern that may occur. This would be combined with further traffic signal warrant analyses for the intersections of Route 106 and Elm Street, and Elm Street and Brook Street. As the observed 85th percentile speeds exceed the posted speed limits for all six locations, regular and strict speed enforcement by the Police Department on Elm Street and area roadways is recommended to maximize safety to motorists, cyclists, and pedestrians in the area.

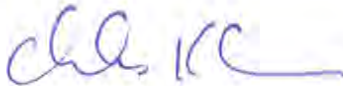
Given the existing speeds on Elm Street, several options exist as supplements to police speed enforcement, to assist with traffic calming and overall safety at the intersection of Elm Street (Route 80) and Brook Street. They are as follows:

- Restripe entire intersection with wider pavement markings
- Replace all intersection signage to meet 2009 MUTCD reflectivity standards
- Placement of "Intersection Ahead" signage in compliance with 2009 MUTCD standards
- Provide overhead street lighting
- Install a flashing beacon at the intersection
- Consider traffic control measures such as the installation of a compact modern roundabout (e.g. Route 149 at Race Lane, Marstons Mills)

The Automatic Traffic Recorder (ATR) and Turning Movement Count (TMC) data collected for this analysis is included as an enclosure. Also included are the level of service calculation worksheets, the crash rate calculation worksheets, results of the signal warrant analyses, and information on low-cost safety improvements for roadways and intersections.

Should you have any questions regarding this traffic count or require further assistance, please contact project manager Bill McNulty at wmcnulty@ocpcrpa.org or at (508) 583-1833 x207,

Sincerely,



Charles Kilmer
Transportation Program Manager

Cc:

Senate President Therese Murray, Massachusetts State Senate
State Representative Thomas J. Calter, Massachusetts House of Representatives
Ms. Sandra D. MacFarlane, Chairman, Kingston Board of Selectmen
Mr. Dennis Randall, Vice Chairman, Kingston Board of Selectmen
Mr. Paul Basler, Superintendent, Kingston Department of Streets, Trees, and Parks
Chief Joseph Rebello, Police Chief, Kingston Police Department
Ms. Pamela Haznar, P.E., Project Development Engineer, MassDOT District 5
Mr. Paul Maloney, P.E., Transportation Planning Engineer, FHWA
Mr. Trey Wadsworth, MPO Liaison, MassDOT Office of Transportation Planning

Enclosures:

Traffic Data (Volumes, Speeds, Vehicle Classifications)
Turning Movement Count Data
Existing 2010 AM and PM Peak Hour Intersection Level of Service
MassDOT Crash Rate Calculation Worksheets
Signal Warrant Analysis Results: Elm Street at Brook Street (Route 80)
Signal Warrant Analysis Results: Main Street (Route 106) at Elm Street

Massachusetts Traffic Safety Toolbox: Low-Cost Non Intersection Safety Improvements
Massachusetts Traffic Safety Toolbox: Low-Cost Intersection Safety Improvements
Massachusetts Traffic Safety Toolbox: Retroreflectivity

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Brook St (80), west of Main St (3A)

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	3	12	7	18	*	*	*	*	*	*	*	*	5	15
01:00	*	*	1	5	2	10	*	*	*	*	*	*	*	*	2	8
02:00	*	*	0	1	1	3	*	*	*	*	*	*	*	*	0	2
03:00	*	*	5	2	0	0	*	*	*	*	*	*	*	*	2	1
04:00	*	*	10	2	8	2	*	*	*	*	*	*	*	*	9	2
05:00	*	*	41	9	47	9	*	*	*	*	*	*	*	*	44	9
06:00	*	*	113	21	107	21	*	*	*	*	*	*	*	*	110	21
07:00	*	*	212	79	188	68	*	*	*	*	*	*	*	*	200	74
08:00	*	*	273	92	267	100	*	*	*	*	*	*	*	*	270	96
09:00	*	*	154	103	161	86	*	*	*	*	*	*	*	*	158	94
10:00	*	*	132	82	132	62	*	*	*	*	*	*	*	*	132	72
11:00	*	*	152	97	116	102	*	*	*	*	*	*	*	*	134	100
12:00 PM	*	*	131	144	112	139	*	*	*	*	*	*	*	*	122	142
01:00	*	*	141	120	117	124	*	*	*	*	*	*	*	*	129	122
02:00	*	*	136	158	120	160	*	*	*	*	*	*	*	*	128	159
03:00	*	*	164	231	141	192	*	*	*	*	*	*	*	*	152	212
04:00	*	*	156	222	161	218	*	*	*	*	*	*	*	*	158	220
05:00	*	*	202	226	145	197	*	*	*	*	*	*	*	*	174	212
06:00	*	*	124	208	113	187	*	*	*	*	*	*	*	*	118	198
07:00	*	*	107	178	102	165	*	*	*	*	*	*	*	*	104	172
08:00	*	*	54	132	68	110	*	*	*	*	*	*	*	*	61	121
09:00	*	*	47	80	44	81	*	*	*	*	*	*	*	*	46	80
10:00	*	*	19	44	25	37	*	*	*	*	*	*	*	*	22	40
11:00	*	*	4	31	13	29	*	*	*	*	*	*	*	*	8	30
Total	0	0	2381	2279	2197	2120	0	0	0	0	0	0	0	0	2288	2202
Day	0	0	4660	4317	4317	4317	0	0	0	0	0	0	0	0	4490	4490
AM Peak			08:00	09:00	08:00	11:00									08:00	11:00
Vol.			273	103	267	102									270	100
PM Peak			17:00	15:00	16:00	16:00									17:00	16:00
Vol.			202	231	161	218									174	220

Comb. Total 0 4660 4317 0 0 0 0 4490

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

Start Time	14-Sep-10 Tue		EB		WB		Combined		15-Sep- Wed	EB		WB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	1	27	2	24	3	51	1	32	7	29	8	61			
12:15	1	40	4	32	5	72	2	20	4	37	6	57			
12:30	1	26	4	41	5	67	4	25	4	45	8	70			
12:45	0	38	2	47	2	85	0	35	3	28	3	63			
01:00	0	37	3	33	3	70	0	40	3	33	3	73			
01:15	0	26	1	32	1	58	0	21	3	40	3	61			
01:30	1	29	0	29	1	58	1	32	4	26	5	58			
01:45	0	49	1	26	1	75	1	24	0	25	1	49			
02:00	0	27	1	37	1	64	0	24	1	29	1	53			
02:15	0	31	0	32	0	63	1	26	1	36	2	62			
02:30	0	34	0	50	0	84	0	34	0	55	0	89			
02:45	0	44	0	39	0	83	0	36	1	40	1	76			
03:00	3	45	0	66	3	111	0	56	0	48	0	104			
03:15	0	43	2	55	2	98	0	34	0	53	0	87			
03:30	0	37	0	54	0	91	0	32	0	42	0	74			
03:45	2	39	0	56	2	95	0	19	0	49	0	68			
04:00	1	43	0	52	1	95	2	37	0	52	2	89			
04:15	1	28	1	46	2	74	1	32	1	58	2	90			
04:30	5	49	0	62	5	111	3	38	0	48	3	86			
04:45	3	36	1	62	4	98	2	54	1	60	3	114			
05:00	3	75	4	46	7	121	4	34	1	49	5	83			
05:15	10	45	1	48	11	93	14	40	3	42	17	82			
05:30	15	42	0	55	15	97	17	28	2	53	19	81			
05:45	13	40	4	77	17	117	12	43	3	53	15	96			
06:00	24	40	6	54	30	94	20	36	5	72	25	108			
06:15	25	30	3	63	28	93	24	22	3	38	27	60			
06:30	33	31	3	44	36	75	25	23	3	38	28	61			
06:45	31	23	9	47	40	70	38	32	10	39	48	71			
07:00	61	36	12	50	73	86	50	27	14	46	64	73			
07:15	54	30	9	38	63	68	40	26	10	46	50	72			
07:30	56	23	18	40	74	63	46	34	14	37	60	71			
07:45	41	18	40	50	81	68	52	15	30	36	82	51			
08:00	64	9	15	28	79	37	74	13	30	32	104	45			
08:15	74	8	17	43	91	51	89	15	18	27	107	42			
08:30	82	21	27	33	109	54	61	13	21	28	82	41			
08:45	53	16	33	28	86	44	43	27	31	23	74	50			
09:00	43	13	29	25	72	38	49	15	18	31	67	46			
09:15	50	21	29	17	79	38	45	13	20	14	65	27			
09:30	29	7	18	18	47	25	38	9	27	23	65	32			
09:45	32	6	27	20	59	26	29	7	21	13	50	20			
10:00	40	6	28	15	68	21	31	8	18	19	49	27			
10:15	35	6	20	9	55	15	39	10	11	5	50	15			
10:30	29	5	15	8	44	13	35	2	18	7	53	9			
10:45	28	2	19	12	47	14	27	5	15	6	42	11			
11:00	34	2	22	9	56	11	26	3	31	10	57	13			
11:15	43	2	23	10	66	12	25	1	22	10	47	11			
11:30	40	0	27	10	67	10	35	6	23	6	58	12			
11:45	35	0	25	2	60	2	30	3	26	3	56	6			
Total	1096	1285	505	1774	1601	3059	1036	1161	481	1639	1517	2800			
Day Total	2381		2279		4660		2197		2120		4317				
% Total	0.0%	23.5%	27.6%	10.8%	38.1%		24.0%	26.9%	11.1%	38.0%					
Peak	08:00	04:30	08:30	05:30	08:00	05:00	07:45	04:30	11:00	05:15	07:45	04:00			
Vol.	273	205	118	249	365	428	276	166	102	220	375	379			
P.H.F.	0.832	0.683	0.894	0.808	0.837	0.884	0.775	0.769	0.823	0.764	0.876	0.831			

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	15	25	*	*	*	*	20
01:00	*	6	12	*	*	*	*	9
02:00	*	1	4	*	*	*	*	2
03:00	*	7	0	*	*	*	*	4
04:00	*	12	10	*	*	*	*	11
05:00	*	50	56	*	*	*	*	53
06:00	*	134	128	*	*	*	*	131
07:00	*	291	256	*	*	*	*	274
08:00	*	365	367	*	*	*	*	366
09:00	*	257	247	*	*	*	*	252
10:00	*	214	194	*	*	*	*	204
11:00	*	249	218	*	*	*	*	234
12:00 PM	*	275	251	*	*	*	*	263
01:00	*	261	241	*	*	*	*	251
02:00	*	294	280	*	*	*	*	287
03:00	*	395	333	*	*	*	*	364
04:00	*	378	379	*	*	*	*	378
05:00	*	428	342	*	*	*	*	385
06:00	*	332	300	*	*	*	*	316
07:00	*	285	267	*	*	*	*	276
08:00	*	186	178	*	*	*	*	182
09:00	*	127	125	*	*	*	*	126
10:00	*	63	62	*	*	*	*	62
11:00	*	35	42	*	*	*	*	38
Total	0	4660	4317	0	0	0	0	4488
Percentage	0.0%	103.8%	96.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		365	367					366
PM Peak		17:00	16:00					17:00
Vol.		428	379					385

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Brook St (80), west of Main St (3A)

EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	1	2	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	1	0	2	0	1	0	0	0	0	0	5
04:00	0	0	0	0	0	2	2	4	1	1	0	0	0	0	10
05:00	0	0	0	0	2	4	13	17	4	1	0	0	0	0	41
06:00	0	0	0	1	5	25	47	24	7	4	0	0	0	0	113
07:00	1	0	1	1	12	65	95	34	1	2	0	0	0	0	212
08:00	1	0	1	3	24	92	107	37	7	1	0	0	0	0	273
09:00	4	1	0	4	11	45	65	22	2	0	0	0	0	0	154
10:00	1	0	0	3	6	42	59	14	5	2	0	0	0	0	132
11:00	4	0	1	2	17	72	36	17	3	0	0	0	0	0	152
12 PM	1	0	0	1	15	43	54	15	1	1	0	0	0	0	131
13:00	2	0	1	1	16	56	51	11	3	0	0	0	0	0	141
14:00	1	0	0	2	16	48	51	16	2	0	0	0	0	0	136
15:00	2	0	2	4	19	61	53	17	4	2	0	0	0	0	164
16:00	2	0	3	2	12	49	61	21	4	2	0	0	0	0	156
17:00	3	1	1	3	24	56	77	31	5	1	0	0	0	0	202
18:00	4	0	0	0	8	43	52	11	5	1	0	0	0	0	124
19:00	2	0	0	1	13	46	33	8	3	1	0	0	0	0	107
20:00	0	0	0	1	4	22	20	6	0	1	0	0	0	0	54
21:00	1	0	0	0	5	16	14	9	1	1	0	0	0	0	47
22:00	0	0	0	0	2	7	4	4	1	1	0	0	0	0	19
23:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4
Total	29	2	10	30	212	796	901	319	60	22	0	0	0	0	2381

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

EB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	7
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	2	4	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	8
05:00	0	0	0	0	1	1	5	15	16	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	
06:00	0	0	0	0	4	5	22	44	25	6	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	107	
07:00	0	0	0	0	1	10	44	92	36	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188	
08:00	7	0	0	0	2	26	88	103	36	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	267	
09:00	0	0	0	0	0	12	40	78	27	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161	
10:00	0	0	0	0	1	12	42	53	21	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	132	
11:00	4	0	0	1	0	18	36	43	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	
12 PM	0	0	0	0	1	23	26	47	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	
13:00	4	0	0	2	0	17	35	44	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	
14:00	2	0	0	0	4	10	33	50	20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	
15:00	2	0	0	0	0	13	64	49	9	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	141	
16:00	4	1	0	0	2	18	54	59	21	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	161	
17:00	1	0	0	0	2	7	51	54	28	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	145	
18:00	1	0	0	0	1	11	35	51	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113	
19:00	2	0	0	1	1	7	36	40	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	102	
20:00	1	0	0	0	0	6	33	19	5	3	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	68	
21:00	1	0	0	0	1	5	16	16	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	
22:00	0	0	0	1	0	4	6	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	
23:00	0	0	0	0	0	1	8	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
Total	29	1	5	21	207	676	872	321	53	7	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2197	
Grand Total	58	3	15	51	419	1472	1773	640	113	29	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4578	

15th Percentile : 36 MPH
50th Percentile : 41 MPH
85th Percentile : 46 MPH
95th Percentile : 50 MPH

Stats
Mean Speed(Average) : 41 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 3245
Percent in Pace : 70.9%
Number of Vehicles > 40 MPH : 2560
Percent of Vehicles > 40 MPH : 55.9%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	4	7	1	0	0	0	0	0	0	12
01:00	0	0	0	0	1	0	3	1	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
05:00	0	0	0	0	0	4	4	0	1	0	0	0	0	0	9
06:00	0	1	0	0	6	6	5	2	1	0	0	0	0	0	21
07:00	4	1	2	2	12	35	16	6	1	0	0	0	0	0	79
08:00	1	1	0	3	18	45	18	6	0	0	0	0	0	0	92
09:00	4	1	1	2	17	41	28	9	0	0	0	0	0	0	103
10:00	1	0	0	0	15	37	24	5	0	0	0	0	0	0	82
11:00	3	0	0	0	11	42	32	9	0	0	0	0	0	0	97
12 PM	2	0	1	2	13	61	50	15	0	0	0	0	0	0	144
13:00	2	0	1	6	14	58	30	8	0	1	0	0	0	0	120
14:00	3	0	1	2	23	66	54	7	2	0	0	0	0	0	158
15:00	1	2	3	2	42	104	64	11	1	1	0	0	0	0	231
16:00	1	0	1	3	29	101	70	16	1	0	0	0	0	0	222
17:00	6	1	0	4	22	102	78	10	3	0	0	0	0	0	226
18:00	1	0	0	1	33	97	65	11	0	0	0	0	0	0	208
19:00	0	0	0	0	22	87	60	9	0	0	0	0	0	0	178
20:00	0	0	0	3	14	61	48	4	2	0	0	0	0	0	132
21:00	0	0	0	0	16	34	22	5	3	0	0	0	0	0	80
22:00	0	0	0	1	6	17	17	2	0	1	0	0	0	0	44
23:00	0	0	0	0	3	12	7	6	3	0	0	0	0	0	31
Total	29	7	10	31	317	1015	704	145	18	3	0	0	0	0	2279

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/15/10	0	0	0	0	2	2	7	5	2	0	0	0	0	0	18
01:00	0	0	0	0	2	4	2	1	1	0	0	0	0	0	10
02:00	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
05:00	0	0	0	0	0	3	3	2	0	1	0	0	0	0	9
06:00	0	1	0	0	4	4	10	2	0	0	0	0	0	0	21
07:00	3	0	0	1	11	25	24	4	0	0	0	0	0	0	68
08:00	2	0	0	4	19	40	29	5	1	0	0	0	0	0	100
09:00	1	0	0	1	10	31	37	6	0	0	0	0	0	0	86
10:00	1	0	0	2	8	24	21	6	0	0	0	0	0	0	62
11:00	0	0	0	4	11	39	38	10	0	0	0	0	0	0	102
12 PM	2	0	0	5	20	61	40	10	1	0	0	0	0	0	139
13:00	2	0	0	2	17	40	48	14	0	1	0	0	0	0	124
14:00	3	0	4	1	15	71	51	14	1	0	0	0	0	0	160
15:00	0	0	0	3	23	78	70	14	4	0	0	0	0	0	192
16:00	3	0	2	0	15	86	88	24	0	0	0	0	0	0	218
17:00	0	0	1	4	13	78	85	15	0	1	0	0	0	0	197
18:00	1	0	0	3	20	79	69	14	1	0	0	0	0	0	187
19:00	4	1	0	0	20	59	65	13	2	1	0	0	0	0	165
20:00	2	0	0	2	15	50	37	4	0	0	0	0	0	0	110
21:00	1	0	1	1	10	26	35	5	2	0	0	0	0	0	81
22:00	0	0	2	0	3	17	11	2	0	1	0	0	0	1	37
23:00	0	0	0	1	3	10	10	5	0	0	0	0	0	0	29
Total	25	2	10	34	241	828	784	175	15	5	0	0	0	1	2120
Grand Total	54	9	20	65	558	1843	1488	320	33	8	0	0	0	1	4399

15th Percentile : 35 MPH
50th Percentile : 40 MPH
85th Percentile : 44 MPH
95th Percentile : 48 MPH

Stats
Mean Speed(Average) : 39 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 3331
Percent in Pace : 75.7%
Number of Vehicles > 40 MPH : 1850
Percent of Vehicles > 40 MPH : 42.1%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

EB, WB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	5	9	1	0	0	0	0	0	0	15
01:00	0	0	0	0	1	1	3	1	0	0	0	0	0	0	6
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
03:00	0	0	0	1	1	1	3	0	1	0	0	0	0	0	7
04:00	0	0	0	0	0	2	3	5	1	1	0	0	0	0	12
05:00	0	0	0	0	2	8	17	17	5	1	0	0	0	0	50
06:00	0	1	0	1	11	31	52	26	8	4	0	0	0	0	134
07:00	5	1	3	3	24	100	111	40	2	2	0	0	0	0	291
08:00	2	1	1	6	42	137	125	43	7	1	0	0	0	0	365
09:00	8	2	1	6	28	86	93	31	2	0	0	0	0	0	257
10:00	2	0	0	3	21	79	83	19	5	2	0	0	0	0	214
11:00	7	0	1	2	28	114	68	26	3	0	0	0	0	0	249
12 PM	3	0	1	3	28	104	104	30	1	1	0	0	0	0	275
13:00	4	0	2	7	30	114	81	19	3	1	0	0	0	0	261
14:00	4	0	1	4	39	114	105	23	4	0	0	0	0	0	294
15:00	3	2	5	6	61	165	117	28	5	3	0	0	0	0	395
16:00	3	0	4	5	41	150	131	37	5	2	0	0	0	0	378
17:00	9	2	1	7	46	158	155	41	8	1	0	0	0	0	428
18:00	5	0	0	1	41	140	117	22	5	1	0	0	0	0	332
19:00	2	0	0	1	35	133	93	17	3	1	0	0	0	0	285
20:00	0	0	0	4	18	83	68	10	2	1	0	0	0	0	186
21:00	1	0	0	0	21	50	36	14	4	1	0	0	0	0	127
22:00	0	0	0	1	8	24	21	6	1	2	0	0	0	0	63
23:00	0	0	0	0	3	12	10	7	3	0	0	0	0	0	35
Total	58	9	20	61	529	1811	1605	464	78	25	0	0	0	0	4660

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

EB, WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
9/15/10	0	0	0	0	2	4	9	6	3	1	0	0	0	0	25
01:00	0	0	0	0	3	4	2	1	2	0	0	0	0	0	12
02:00	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	3	4	1	0	1	0	0	0	10
05:00	0	0	0	1	1	8	18	18	7	3	0	0	0	0	56
06:00	0	1	0	4	9	26	54	27	6	0	1	0	0	0	128
07:00	3	0	0	2	21	69	116	40	3	2	0	0	0	0	256
08:00	9	0	0	6	45	128	132	41	6	0	0	0	0	0	367
09:00	1	0	0	1	22	71	115	33	4	0	0	0	0	0	247
10:00	1	0	0	3	20	66	74	27	2	0	0	1	0	0	194
11:00	4	0	1	4	29	75	81	23	1	0	0	0	0	0	218
12 PM	2	0	0	6	43	87	87	24	1	1	0	0	0	0	251
13:00	6	0	2	2	34	75	92	26	3	1	0	0	0	0	241
14:00	5	0	4	5	25	104	101	34	2	0	0	0	0	0	280
15:00	2	0	0	3	36	142	119	23	7	0	0	1	0	0	333
16:00	7	1	2	2	33	140	147	45	2	0	0	0	0	0	379
17:00	1	0	1	6	20	129	139	43	1	2	0	0	0	0	342
18:00	2	0	0	4	31	114	120	26	3	0	0	0	0	0	300
19:00	6	1	1	1	27	95	105	25	5	1	0	0	0	0	267
20:00	3	0	0	2	21	83	56	9	3	0	1	0	0	0	178
21:00	2	0	1	2	15	42	51	8	4	0	0	0	0	0	125
22:00	0	0	3	0	7	23	19	7	1	1	0	0	0	1	62
23:00	0	0	0	1	4	18	13	5	1	0	0	0	0	0	42
Total	54	3	15	55	448	1504	1656	496	68	12	3	2	0	1	4317
Grand Total	112	12	35	116	977	3315	3261	960	146	37	3	2	0	1	8977

15th Percentile : 36 MPH
50th Percentile : 40 MPH
85th Percentile : 45 MPH
95th Percentile : 49 MPH

Stats
Mean Speed(Average) : 40 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 6576
Percent in Pace : 73.3%
Number of Vehicles > 40 MPH : 4410
Percent of Vehicles > 40 MPH : 49.1%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	2	1	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	3	1	0	1	0	0	0	0	0	0	0	0	5
04:00	0	6	2	0	2	0	0	0	0	0	0	0	0	10
05:00	0	22	13	0	6	0	0	0	0	0	0	0	0	41
06:00	1	78	20	0	13	1	0	0	0	0	0	0	0	113
07:00	2	159	41	2	6	1	0	0	1	0	0	0	0	212
08:00	0	188	65	6	12	0	0	0	2	0	0	0	0	273
09:00	0	111	31	1	6	1	0	0	3	0	0	0	0	153
10:00	0	91	31	1	6	1	0	0	2	0	0	0	0	132
11:00	0	97	38	0	8	4	0	0	3	0	0	0	0	150
12 PM	0	81	36	1	7	4	0	2	0	0	0	0	0	131
13:00	0	91	36	0	7	4	0	0	2	0	0	0	0	140
14:00	0	78	41	5	7	3	0	1	1	0	0	0	0	136
15:00	0	98	44	4	16	0	0	1	1	0	0	0	0	164
16:00	0	112	41	1	2	0	0	0	0	0	0	0	0	156
17:00	3	128	59	0	10	0	0	1	0	0	0	0	0	201
18:00	1	89	22	0	10	1	0	0	0	0	0	0	0	123
19:00	0	76	26	0	4	0	0	0	0	0	0	0	0	106
20:00	0	37	16	0	1	0	0	0	0	0	0	0	0	54
21:00	0	37	7	0	3	0	0	0	0	0	0	0	0	47
22:00	1	11	6	0	1	0	0	0	0	0	0	0	0	19
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Total	8	1600	577	21	128	20	0	5	15	0	0	0	0	2374
Percent	0.3%	67.4%	24.3%	0.9%	5.4%	0.8%	0.0%	0.2%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	06:00	11:00			09:00					08:00
Vol.	2	188	65	6	13	4			3					273
PM Peak	17:00	17:00	17:00	14:00	15:00	12:00		12:00	13:00					17:00
Vol.	3	128	59	5	16	4		2	2					201

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	4	2	1	0	0	0	0	0	0	0	0	0	7
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	3	2	0	3	0	0	0	0	0	0	0	0	8
05:00	0	28	17	0	2	0	0	0	0	0	0	0	0	47
06:00	1	68	23	0	14	0	0	1	0	0	0	0	0	107
07:00	1	133	38	2	11	1	0	0	2	0	0	0	0	188
08:00	0	181	69	7	8	0	0	0	1	0	0	0	0	266
09:00	0	94	55	0	9	3	0	0	0	0	0	0	0	161
10:00	0	82	41	0	8	0	0	0	1	0	0	0	0	132
11:00	1	76	30	1	4	1	0	1	1	0	0	0	0	115
12 PM	0	75	26	2	7	2	0	0	0	0	0	0	0	112
13:00	0	69	29	2	8	3	0	2	2	0	0	0	0	115
14:00	1	67	35	5	8	2	0	0	1	0	0	0	0	119
15:00	0	85	44	2	6	1	0	2	1	0	0	0	0	141
16:00	0	108	43	0	9	0	0	0	0	0	0	0	0	160
17:00	1	98	37	0	8	1	0	0	0	0	0	0	0	145
18:00	3	83	19	1	6	0	0	0	1	0	0	0	0	113
19:00	3	65	29	0	4	1	0	0	0	0	0	0	0	102
20:00	0	47	19	0	1	0	0	1	0	0	0	0	0	68
21:00	0	33	10	0	1	0	0	0	0	0	0	0	0	44
22:00	1	16	7	0	1	0	0	0	0	0	0	0	0	25
23:00	0	8	3	0	2	0	0	0	0	0	0	0	0	13
Total	12	1426	578	23	120	15	0	7	10	0	0	0	0	2191
Percent	0.5%	65.1%	26.4%	1.0%	5.5%	0.7%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	08:00	08:00	08:00	06:00	09:00		06:00	07:00					08:00
Vol.	1	181	69	7	14	3		1	2					266
PM Peak	18:00	16:00	15:00	14:00	16:00	13:00		13:00	13:00					16:00
Vol.	3	108	44	5	9	3		2	2					160
Grand Total	20	3026	1155	44	248	35	0	12	25	0	0	0	0	4565
Percent	0.4%	66.3%	25.3%	1.0%	5.4%	0.8%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Brook St (80), west of Main St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	9	3	0	0	0	0	0	0	0	0	0	0	12
	01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
	02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	05:00	0	3	5	0	1	0	0	0	0	0	0	0	0	9
	06:00	0	9	9	3	0	0	0	0	0	0	0	0	0	21
	07:00	0	51	19	4	2	1	0	0	1	0	0	0	0	78
	08:00	1	59	21	2	1	4	0	1	3	0	0	0	0	92
	09:00	0	67	28	1	5	0	0	0	1	0	0	0	0	102
	10:00	0	49	22	0	5	3	0	1	2	0	0	0	0	82
	11:00	1	67	22	0	1	3	0	0	2	0	0	0	0	96
	12 PM	0	103	27	1	8	4	0	0	1	0	0	0	0	144
	13:00	1	76	36	0	2	4	0	1	0	0	0	0	0	120
	14:00	2	104	36	3	5	3	0	3	2	0	0	0	0	158
	15:00	0	157	54	9	8	3	0	0	0	0	0	0	0	231
	16:00	1	159	51	0	8	1	0	1	1	0	0	0	0	222
	17:00	0	177	44	0	3	1	0	0	0	0	0	0	0	225
	18:00	0	160	44	0	3	1	0	0	0	0	0	0	0	208
	19:00	3	140	29	0	6	0	0	0	0	0	0	0	0	178
	20:00	1	99	29	0	3	0	0	0	0	0	0	0	0	132
	21:00	0	59	19	0	2	0	0	0	0	0	0	0	0	80
	22:00	1	30	13	0	0	0	0	0	0	0	0	0	0	44
	23:00	0	23	6	0	2	0	0	0	0	0	0	0	0	31
	Total	11	1608	520	23	65	28	0	7	13	0	0	0	0	2275
	Percent	0.5%	70.7%	22.9%	1.0%	2.9%	1.2%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	08:00	09:00	09:00	07:00	09:00	08:00		08:00	08:00					09:00
	Vol.	1	67	28	4	5	4		1	3					102
	PM Peak	19:00	17:00	15:00	15:00	12:00	12:00		14:00	14:00					15:00
	Vol.	3	177	54	9	8	4		3	2					231

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Brook St (80), west of Main St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	15	2	1	0	0	0	0	0	0	0	0	0	18
	01:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10
	02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	05:00	0	5	4	0	0	0	0	0	0	0	0	0	0	9
	06:00	0	10	7	4	0	0	0	0	0	0	0	0	0	21
	07:00	0	41	16	4	3	2	0	1	0	0	0	0	0	67
	08:00	0	62	26	1	8	1	0	0	1	0	0	0	0	99
	09:00	0	60	17	0	8	1	0	0	0	0	0	0	0	86
	10:00	0	35	20	1	5	0	0	1	0	0	0	0	0	62
	11:00	1	72	23	1	2	2	0	0	1	0	0	0	0	102
	12 PM	0	96	37	0	3	1	0	0	1	0	0	0	0	138
	13:00	0	87	28	3	3	0	0	1	1	0	0	0	0	123
	14:00	3	100	41	3	9	1	0	2	0	0	0	0	0	159
	15:00	1	137	40	6	5	2	0	1	0	0	0	0	0	192
	16:00	1	158	51	0	7	0	0	0	0	0	0	0	0	217
	17:00	3	150	38	0	6	0	0	0	0	0	0	0	0	197
	18:00	1	145	37	0	3	0	0	0	1	0	0	0	0	187
	19:00	0	127	32	0	4	0	0	0	0	0	0	0	0	163
	20:00	1	85	23	0	1	0	0	0	0	0	0	0	0	110
	21:00	1	54	25	0	1	0	0	0	0	0	0	0	0	81
	22:00	0	30	5	0	2	0	0	0	0	0	0	0	0	37
	23:00	0	25	4	0	0	0	0	0	0	0	0	0	0	29
	Total	12	1506	479	24	70	10	0	6	5	0	0	0	0	2112
	Percent	0.6%	71.3%	22.7%	1.1%	3.3%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	11:00	11:00	08:00	06:00	08:00	07:00		07:00	08:00					11:00
	Vol.	1	72	26	4	8	2		1	1					102
	PM Peak	14:00	16:00	16:00	15:00	14:00	15:00		14:00	12:00					16:00
	Vol.	3	158	51	6	9	2		2	1					217
	Grand Total	23	3114	999	47	135	38	0	13	18	0	0	0	0	4387
	Percent	0.5%	71.0%	22.8%	1.1%	3.1%	0.9%	0.0%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Brook St (80), west of Main St (3A)

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	11	4	0	0	0	0	0	0	0	0	0	0	15
01:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7
04:00	0	8	2	0	2	0	0	0	0	0	0	0	0	12
05:00	0	25	18	0	7	0	0	0	0	0	0	0	0	50
06:00	1	87	29	3	13	1	0	0	0	0	0	0	0	134
07:00	2	210	60	6	8	2	0	0	2	0	0	0	0	290
08:00	1	247	86	8	13	4	0	1	5	0	0	0	0	365
09:00	0	178	59	2	11	1	0	0	4	0	0	0	0	255
10:00	0	140	53	1	11	4	0	1	4	0	0	0	0	214
11:00	1	164	60	0	9	7	0	0	5	0	0	0	0	246
12 PM	0	184	63	2	15	8	0	2	1	0	0	0	0	275
13:00	1	167	72	0	9	8	0	1	2	0	0	0	0	260
14:00	2	182	77	8	12	6	0	4	3	0	0	0	0	294
15:00	0	255	98	13	24	3	0	1	1	0	0	0	0	395
16:00	1	271	92	1	10	1	0	1	1	0	0	0	0	378
17:00	3	305	103	0	13	1	0	1	0	0	0	0	0	426
18:00	1	249	66	0	13	2	0	0	0	0	0	0	0	331
19:00	3	216	55	0	10	0	0	0	0	0	0	0	0	284
20:00	1	136	45	0	4	0	0	0	0	0	0	0	0	186
21:00	0	96	26	0	5	0	0	0	0	0	0	0	0	127
22:00	2	41	19	0	1	0	0	0	0	0	0	0	0	63
23:00	0	27	6	0	2	0	0	0	0	0	0	0	0	35
Total	19	3208	1097	44	193	48	0	12	28	0	0	0	0	4649
Percent	0.4%	69.0%	23.6%	0.9%	4.2%	1.0%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	06:00	11:00		08:00	08:00					08:00
Vol.	2	247	86	8	13	7		1	5					365
PM Peak	17:00	17:00	17:00	15:00	15:00	12:00		14:00	14:00					17:00
Vol.	3	305	103	13	24	8		4	3					426

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Brook St (80), west of Main St (3A)

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	19	4	2	0	0	0	0	0	0	0	0	0	25
01:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	5	2	0	3	0	0	0	0	0	0	0	0	10
05:00	0	33	21	0	2	0	0	0	0	0	0	0	0	56
06:00	1	78	30	4	14	0	0	1	0	0	0	0	0	128
07:00	1	174	54	6	14	3	0	1	2	0	0	0	0	255
08:00	0	243	95	8	16	1	0	0	2	0	0	0	0	365
09:00	0	154	72	0	17	4	0	0	0	0	0	0	0	247
10:00	0	117	61	1	13	0	0	1	1	0	0	0	0	194
11:00	2	148	53	2	6	3	0	1	2	0	0	0	0	217
12 PM	0	171	63	2	10	3	0	0	1	0	0	0	0	250
13:00	0	156	57	5	11	3	0	3	3	0	0	0	0	238
14:00	4	167	76	8	17	3	0	2	1	0	0	0	0	278
15:00	1	222	84	8	11	3	0	3	1	0	0	0	0	333
16:00	1	266	94	0	16	0	0	0	0	0	0	0	0	377
17:00	4	248	75	0	14	1	0	0	0	0	0	0	0	342
18:00	4	228	56	1	9	0	0	0	2	0	0	0	0	300
19:00	3	192	61	0	8	1	0	0	0	0	0	0	0	265
20:00	1	132	42	0	2	0	0	1	0	0	0	0	0	178
21:00	1	87	35	0	2	0	0	0	0	0	0	0	0	125
22:00	1	46	12	0	3	0	0	0	0	0	0	0	0	62
23:00	0	33	7	0	2	0	0	0	0	0	0	0	0	42
Total	24	2932	1057	47	190	25	0	13	15	0	0	0	0	4303
Percent	0.6%	68.1%	24.6%	1.1%	4.4%	0.6%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	11:00	08:00	08:00	08:00	09:00	09:00		06:00	07:00					08:00
Vol.	2	243	95	8	17	4		1	2					365
PM Peak	14:00	16:00	16:00	14:00	14:00	12:00		13:00	13:00					16:00
Vol.	4	266	94	8	17	3		3	3					377
Grand Total	43	6140	2154	91	383	73	0	25	43	0	0	0	0	8952
Percent	0.5%	68.6%	24.1%	1.0%	4.3%	0.8%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	3	2	3	5	*	*	*	*	*	*	*	*	3	4
01:00	*	*	2	2	0	1	*	*	*	*	*	*	*	*	1	2
02:00	*	*	4	1	3	1	*	*	*	*	*	*	*	*	4	1
03:00	*	*	3	2	0	3	*	*	*	*	*	*	*	*	2	2
04:00	*	*	3	4	3	2	*	*	*	*	*	*	*	*	3	3
05:00	*	*	19	3	20	5	*	*	*	*	*	*	*	*	20	4
06:00	*	*	54	16	47	17	*	*	*	*	*	*	*	*	50	16
07:00	*	*	113	55	125	53	*	*	*	*	*	*	*	*	119	54
08:00	*	*	105	58	119	56	*	*	*	*	*	*	*	*	112	57
09:00	*	*	102	55	83	58	*	*	*	*	*	*	*	*	92	56
10:00	*	*	87	54	89	57	*	*	*	*	*	*	*	*	88	56
11:00	*	*	83	58	60	48	*	*	*	*	*	*	*	*	72	53
12:00 PM	*	*	85	88	74	90	*	*	*	*	*	*	*	*	80	89
01:00	*	*	74	79	60	76	*	*	*	*	*	*	*	*	67	78
02:00	*	*	78	104	74	107	*	*	*	*	*	*	*	*	76	106
03:00	*	*	101	124	100	118	*	*	*	*	*	*	*	*	100	121
04:00	*	*	104	135	99	132	*	*	*	*	*	*	*	*	102	134
05:00	*	*	120	163	94	140	*	*	*	*	*	*	*	*	107	152
06:00	*	*	80	110	87	150	*	*	*	*	*	*	*	*	84	130
07:00	*	*	83	117	71	106	*	*	*	*	*	*	*	*	77	112
08:00	*	*	44	68	25	70	*	*	*	*	*	*	*	*	34	69
09:00	*	*	34	44	25	42	*	*	*	*	*	*	*	*	30	43
10:00	*	*	7	20	12	16	*	*	*	*	*	*	*	*	10	18
11:00	*	*	8	6	9	6	*	*	*	*	*	*	*	*	8	6
Total	0	0	1396	1368	1282	1359	0	0	0	0	0	0	0	0	1341	1366
Day	0	0	2764		2641		0	0	0	0	0	0	0	0	2707	
AM Peak			07:00	08:00	07:00	09:00									07:00	08:00
Vol.			113	58	125	58									119	57
PM Peak			17:00	17:00	15:00	18:00									17:00	17:00
Vol.			120	163	100	150									107	152
Comb. Total	0	0	2764		2641		0	0	0	0	0	0	0	0	2707	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

Start Time	14-Sep-10 Tue		NB		SB		Combined		15-Sep- Wed	NB		SB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	3	24	1	23	4	47	1	16	1	24	2	40			
12:15	0	22	0	19	0	41	1	20	1	15	2	35			
12:30	0	25	1	21	1	46	1	20	2	26	3	46			
12:45	0	14	0	25	0	39	0	18	1	25	1	43			
01:00	1	21	0	22	1	43	0	18	0	15	0	33			
01:15	0	19	0	23	0	42	0	14	0	20	0	34			
01:30	1	22	0	26	1	48	0	14	0	24	0	38			
01:45	0	12	2	8	2	20	0	14	1	17	1	31			
02:00	0	22	0	24	0	46	0	20	0	24	0	44			
02:15	2	13	1	27	3	40	0	17	0	15	0	32			
02:30	0	15	0	28	0	43	3	14	0	37	3	51			
02:45	2	28	0	25	2	53	0	23	1	31	1	54			
03:00	1	36	1	26	2	62	0	31	3	26	3	57			
03:15	0	14	0	35	0	49	0	26	0	33	0	59			
03:30	1	29	0	31	1	60	0	20	0	32	0	52			
03:45	1	22	1	32	2	54	0	23	0	27	0	50			
04:00	1	19	1	35	2	54	0	22	0	31	0	53			
04:15	0	28	1	38	1	66	0	19	0	32	0	51			
04:30	2	32	2	27	4	59	2	31	1	27	3	58			
04:45	0	25	0	35	0	60	1	27	1	42	2	69			
05:00	2	37	0	38	2	75	4	31	0	37	4	68			
05:15	4	38	1	47	5	85	1	22	2	33	3	55			
05:30	4	30	2	45	6	75	7	24	0	33	7	57			
05:45	9	15	0	33	9	48	8	17	3	37	11	54			
06:00	12	17	2	27	14	44	3	19	2	44	5	63			
06:15	13	21	3	29	16	50	16	33	5	48	21	81			
06:30	14	20	3	24	17	44	17	14	5	35	22	49			
06:45	15	22	8	30	23	52	11	21	5	23	16	44			
07:00	20	25	7	32	27	57	24	38	5	24	29	62			
07:15	46	24	8	27	54	51	49	15	8	34	57	49			
07:30	28	19	20	29	48	48	26	9	21	33	47	42			
07:45	19	15	20	29	39	44	26	9	19	15	45	24			
08:00	29	11	16	12	45	23	37	5	14	18	51	23			
08:15	33	8	6	24	39	32	36	7	11	14	47	21			
08:30	28	11	18	21	46	32	20	6	12	24	32	30			
08:45	15	14	18	11	33	25	26	7	19	14	45	21			
09:00	28	15	8	10	36	25	27	7	16	11	43	18			
09:15	29	8	11	16	40	24	19	9	13	11	32	20			
09:30	23	7	14	10	37	17	19	6	13	11	32	17			
09:45	22	4	22	8	44	12	18	3	16	9	34	12			
10:00	26	1	12	9	38	10	32	4	14	6	46	10			
10:15	19	3	17	4	36	7	21	2	16	4	37	6			
10:30	20	3	9	2	29	5	15	3	13	5	28	8			
10:45	22	0	16	5	38	5	21	3	14	1	35	4			
11:00	21	4	20	2	41	6	13	3	6	4	19	7			
11:15	19	2	10	0	29	2	14	1	18	0	32	1			
11:30	25	2	15	3	40	5	22	2	14	1	36	3			
11:45	18	0	13	1	31	1	11	3	10	1	21	4			
Total	578	818	310	1058	888	1876	552	730	306	1053	858	1783			
Day Total	1396		1368		2764		1282		1359		2641				
% Total	0.0%	20.9%	29.6%	11.2%	38.3%		20.9%	27.6%	11.6%	39.9%					
Peak	07:15	04:30	09:30	04:45	07:15	04:45	07:15	04:30	07:30	05:45	07:15	05:30			
Vol.	122	132	65	165	186	295	138	111	65	164	200	255			
P.H.F.	0.663	0.868	0.739	0.878	0.861	0.868	0.704	0.895	0.774	0.854	0.877	0.787			

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	5	8	*	*	*	*	6
01:00	*	4	1	*	*	*	*	2
02:00	*	5	4	*	*	*	*	4
03:00	*	5	3	*	*	*	*	4
04:00	*	7	5	*	*	*	*	6
05:00	*	22	25	*	*	*	*	24
06:00	*	70	64	*	*	*	*	67
07:00	*	168	178	*	*	*	*	173
08:00	*	163	175	*	*	*	*	169
09:00	*	157	141	*	*	*	*	149
10:00	*	141	146	*	*	*	*	144
11:00	*	141	108	*	*	*	*	124
12:00 PM	*	173	164	*	*	*	*	168
01:00	*	153	136	*	*	*	*	144
02:00	*	182	181	*	*	*	*	182
03:00	*	225	218	*	*	*	*	222
04:00	*	239	231	*	*	*	*	235
05:00	*	283	234	*	*	*	*	258
06:00	*	190	237	*	*	*	*	214
07:00	*	200	177	*	*	*	*	188
08:00	*	112	95	*	*	*	*	104
09:00	*	78	67	*	*	*	*	72
10:00	*	27	28	*	*	*	*	28
11:00	*	14	15	*	*	*	*	14
Total	0	2764	2641	0	0	0	0	2701
Percentage	0.0%	102.3%	97.8%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		168	178					173
PM Peak		17:00	18:00					17:00
Vol.		283	237					258

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	1	5	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
06:00	3	2	1	16	15	4	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
07:00	7	4	16	36	32	22	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125
08:00	7	7	19	21	34	24	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
09:00	4	1	8	23	26	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
10:00	5	3	13	18	24	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
11:00	2	1	5	18	21	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
12 PM	1	1	8	20	22	16	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
13:00	1	0	5	23	19	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
14:00	2	0	10	23	23	11	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
15:00	3	6	16	24	26	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
16:00	0	0	16	32	22	22	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
17:00	1	3	8	27	30	19	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
18:00	1	1	10	27	28	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87
19:00	2	3	11	14	22	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
20:00	0	0	4	6	6	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
21:00	0	2	2	10	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
22:00	0	0	0	4	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
23:00	0	0	0	0	5	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Total	39	34	152	344	378	260	62	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1282
Grand Total	75	69	327	755	809	488	133	16	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2678

15th Percentile : 24 MPH
50th Percentile : 31 MPH
85th Percentile : 38 MPH
95th Percentile : 41 MPH

Stats
Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 1564
Percent in Pace : 58.4%
Number of Vehicles > 35 MPH : 643
Percent of Vehicles > 35 MPH : 24.0%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U6
 Recorder #: Jamar #17
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Elm St, south of Main St (106)

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	1	2	0	1	0	0	0	0	0	0	4
05:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
06:00	0	0	0	0	0	14	2	0	0	0	0	0	0	0	16
07:00	2	0	0	6	19	22	6	0	0	0	0	0	0	0	55
08:00	4	0	1	2	16	29	5	1	0	0	0	0	0	0	58
09:00	0	0	0	6	16	25	5	3	0	0	0	0	0	0	55
10:00	0	2	2	3	20	21	6	0	0	0	0	0	0	0	54
11:00	2	2	1	6	11	23	13	0	0	0	0	0	0	0	58
12 PM	4	1	2	10	26	39	5	1	0	0	0	0	0	0	88
13:00	2	1	1	9	27	29	10	0	0	0	0	0	0	0	79
14:00	4	0	0	9	39	36	14	1	1	0	0	0	0	0	104
15:00	2	2	3	15	39	51	11	1	0	0	0	0	0	0	124
16:00	1	2	4	8	46	58	16	0	0	0	0	0	0	0	135
17:00	3	2	2	10	47	82	15	2	0	0	0	0	0	0	163
18:00	2	0	2	6	28	54	17	0	1	0	0	0	0	0	110
19:00	4	0	0	8	42	50	12	1	0	0	0	0	0	0	117
20:00	0	0	0	3	29	24	11	0	0	1	0	0	0	0	68
21:00	1	0	1	4	12	22	3	1	0	0	0	0	0	0	44
22:00	0	0	0	1	4	12	3	0	0	0	0	0	0	0	20
23:00	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6
Total	32	12	19	108	429	597	156	12	2	1	0	0	0	0	1368

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/15/10	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
03:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
05:00	0	0	0	1	1	2	1	0	0	0	0	0	0	0	5
06:00	2	0	0	0	4	9	2	0	0	0	0	0	0	0	17
07:00	2	1	0	1	13	31	5	0	0	0	0	0	0	0	53
08:00	4	0	0	7	9	26	8	2	0	0	0	0	0	0	56
09:00	4	0	0	7	18	19	10	0	0	0	0	0	0	0	58
10:00	1	0	3	7	13	25	7	0	0	1	0	0	0	0	57
11:00	1	0	1	0	12	26	8	0	0	0	0	0	0	0	48
12 PM	2	1	2	7	28	41	8	1	0	0	0	0	0	0	90
13:00	2	2	2	8	31	20	10	1	0	0	0	0	0	0	76
14:00	6	0	1	10	30	48	10	2	0	0	0	0	0	0	107
15:00	2	1	0	6	33	62	14	0	0	0	0	0	0	0	118
16:00	3	1	1	10	38	59	17	2	1	0	0	0	0	0	132
17:00	3	1	0	2	47	64	23	0	0	0	0	0	0	0	140
18:00	2	2	2	6	59	52	24	2	0	1	0	0	0	0	150
19:00	2	0	0	8	29	54	12	1	0	0	0	0	0	0	106
20:00	0	0	0	6	29	27	6	2	0	0	0	0	0	0	70
21:00	0	0	0	0	16	17	8	1	0	0	0	0	0	0	42
22:00	0	0	0	3	7	2	2	1	1	0	0	0	0	0	16
23:00	0	0	0	0	2	3	0	1	0	0	0	0	0	0	6
Total	36	9	12	89	424	591	177	17	2	2	0	0	0	0	1359
Grand Total	68	21	31	197	853	1188	333	29	4	3	0	0	0	0	2727

15th Percentile : 31 MPH
50th Percentile : 36 MPH
85th Percentile : 40 MPH
95th Percentile : 44 MPH

Stats
Mean Speed(Average) : 35 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 2041
Percent in Pace : 74.8%
Number of Vehicles > 35 MPH : 1557
Percent of Vehicles > 35 MPH : 57.1%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	1	1	2	1	0	0	0	0	0	0	5
01:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
02:00	0	1	0	2	0	2	0	0	0	0	0	0	0	0	5
03:00	1	0	0	0	3	1	0	0	0	0	0	0	0	0	5
04:00	0	0	0	0	1	3	2	1	0	0	0	0	0	0	7
05:00	2	0	0	4	8	4	4	0	0	0	0	0	0	0	22
06:00	1	2	3	7	24	26	7	0	0	0	0	0	0	0	70
07:00	7	4	18	34	62	36	7	0	0	0	0	0	0	0	168
08:00	10	1	15	32	54	42	7	2	0	0	0	0	0	0	163
09:00	2	5	10	41	42	45	9	3	0	0	0	0	0	0	157
10:00	2	3	11	34	45	33	12	1	0	0	0	0	0	0	141
11:00	4	4	15	29	34	39	16	0	0	0	0	0	0	0	141
12 PM	6	5	19	36	48	48	9	2	0	0	0	0	0	0	173
13:00	4	4	15	36	41	38	15	0	0	0	0	0	0	0	153
14:00	5	0	14	35	62	46	17	1	2	0	0	0	0	0	182
15:00	2	4	17	46	76	65	14	1	0	0	0	0	0	0	225
16:00	2	6	17	37	77	79	21	0	0	0	0	0	0	0	239
17:00	7	4	14	47	78	109	21	2	1	0	0	0	0	0	283
18:00	6	1	10	29	57	65	21	0	1	0	0	0	0	0	190
19:00	5	2	9	33	68	65	16	2	0	0	0	0	0	0	200
20:00	1	1	4	17	41	31	14	0	2	1	0	0	0	0	112
21:00	1	0	3	14	25	26	8	1	0	0	0	0	0	0	78
22:00	0	0	0	2	5	15	5	0	0	0	0	0	0	0	27
23:00	0	0	0	4	6	4	0	0	0	0	0	0	0	0	14
Total	68	47	194	519	860	825	227	17	6	1	0	0	0	0	2764

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB, SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
9/15/10	0	0	0	0	3	4	1	0	0	0	0	0	0	0	0	8
01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	4
03:00	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5
05:00	0	0	0	2	6	12	5	0	0	0	0	0	0	0	0	25
06:00	5	2	1	16	19	13	6	2	0	0	0	0	0	0	0	64
07:00	9	5	16	37	45	53	12	1	0	0	0	0	0	0	0	178
08:00	11	7	19	28	43	50	14	3	0	0	0	0	0	0	0	175
09:00	8	1	8	30	44	36	13	1	0	0	0	0	0	0	0	141
10:00	6	3	16	25	37	46	12	0	0	1	0	0	0	0	0	146
11:00	3	1	6	18	33	37	9	1	0	0	0	0	0	0	0	108
12 PM	3	2	10	27	50	57	13	2	0	0	0	0	0	0	0	164
13:00	3	2	7	31	50	29	13	1	0	0	0	0	0	0	0	136
14:00	8	0	11	33	53	59	15	2	0	0	0	0	0	0	0	181
15:00	5	7	16	30	59	86	15	0	0	0	0	0	0	0	0	218
16:00	3	1	17	42	60	81	22	4	1	0	0	0	0	0	0	231
17:00	4	4	8	29	77	83	27	1	1	0	0	0	0	0	0	234
18:00	3	3	12	33	87	68	28	2	0	1	0	0	0	0	0	237
19:00	4	3	11	22	51	70	15	1	0	0	0	0	0	0	0	177
20:00	0	0	4	12	35	34	7	3	0	0	0	0	0	0	0	95
21:00	0	2	2	10	26	18	8	1	0	0	0	0	0	0	0	67
22:00	0	0	0	7	12	5	2	1	1	0	0	0	0	0	0	28
23:00	0	0	0	0	7	6	0	1	0	1	0	0	0	0	0	15
Total	75	43	164	433	802	851	239	28	3	3	0	0	0	0	0	2641
Grand Total	143	90	358	952	1662	1676	466	45	9	4	0	0	0	0	0	5405

15th Percentile : 27 MPH
50th Percentile : 34 MPH
85th Percentile : 40 MPH
95th Percentile : 43 MPH

Stats
Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 3338
Percent in Pace : 61.8%
Number of Vehicles > 35 MPH : 2200
Percent of Vehicles > 35 MPH : 40.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
02:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4
03:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	1	13	5	0	0	0	0	0	0	0	0	0	0	19
06:00	0	38	14	0	1	1	0	0	0	0	0	0	0	54
07:00	0	76	36	0	1	0	0	0	0	0	0	0	0	113
08:00	1	72	30	0	2	0	0	0	0	0	0	0	0	105
09:00	2	56	40	1	3	0	0	0	0	0	0	0	0	102
10:00	0	64	21	0	2	0	0	0	0	0	0	0	0	87
11:00	1	53	25	0	4	0	0	0	0	0	0	0	0	83
12 PM	1	60	23	0	1	0	0	0	0	0	0	0	0	85
13:00	4	48	17	0	4	0	0	1	0	0	0	0	0	74
14:00	1	58	16	0	3	0	0	0	0	0	0	0	0	78
15:00	0	71	28	0	2	0	0	0	0	0	0	0	0	101
16:00	2	71	28	0	3	0	0	0	0	0	0	0	0	104
17:00	2	84	33	0	1	0	0	0	0	0	0	0	0	120
18:00	1	51	25	0	3	0	0	0	0	0	0	0	0	80
19:00	0	55	25	0	3	0	0	0	0	0	0	0	0	83
20:00	1	30	13	0	0	0	0	0	0	0	0	0	0	44
21:00	2	27	5	0	0	0	0	0	0	0	0	0	0	34
22:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
23:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
Total	19	951	389	1	34	1	0	1	0	0	0	0	0	1396
Percent	1.4%	68.1%	27.9%	0.1%	2.4%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	07:00	09:00	09:00	11:00	06:00								07:00
Vol.	2	76	40	1	4	1								113
PM Peak	13:00	17:00	17:00		13:00			13:00						17:00
Vol.	4	84	33		4			1						120

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	3	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	1	1	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	12	6	0	2	0	0	0	0	0	0	0	0	20
06:00	0	28	17	0	1	1	0	0	0	0	0	0	0	47
07:00	1	87	35	0	2	0	0	0	0	0	0	0	0	125
08:00	0	81	35	0	3	0	0	0	0	0	0	0	0	119
09:00	1	52	28	0	2	0	0	0	0	0	0	0	0	83
10:00	1	58	26	1	3	0	0	0	0	0	0	0	0	89
11:00	1	37	21	0	1	0	0	0	0	0	0	0	0	60
12 PM	0	49	24	0	1	0	0	0	0	0	0	0	0	74
13:00	0	40	18	0	2	0	0	0	0	0	0	0	0	60
14:00	1	56	15	0	2	0	0	0	0	0	0	0	0	74
15:00	0	71	25	0	4	0	0	0	0	0	0	0	0	100
16:00	1	69	27	0	1	0	0	1	0	0	0	0	0	99
17:00	1	73	17	0	3	0	0	0	0	0	0	0	0	94
18:00	0	60	24	0	3	0	0	0	0	0	0	0	0	87
19:00	2	45	24	0	0	0	0	0	0	0	0	0	0	71
20:00	0	17	7	0	1	0	0	0	0	0	0	0	0	25
21:00	1	19	4	0	1	0	0	0	0	0	0	0	0	25
22:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
23:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
Total	10	880	355	1	33	2	0	1	0	0	0	0	0	1282
Percent	0.8%	68.6%	27.7%	0.1%	2.6%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	10:00	08:00	02:00								07:00
Vol.	1	87	35	1	3	1								125
PM Peak	19:00	17:00	16:00		15:00			16:00						15:00
Vol.	2	73	27		4			1						100
Grand Total	29	1831	744	2	67	3	0	2	0	0	0	0	0	2678
Percent	1.1%	68.4%	27.8%	0.1%	2.5%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
05:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
06:00	0	7	7	0	2	0	0	0	0	0	0	0	0	16
07:00	1	33	18	0	3	0	0	0	0	0	0	0	0	55
08:00	0	35	14	0	8	0	0	1	0	0	0	0	0	58
09:00	0	28	23	0	4	0	0	0	0	0	0	0	0	55
10:00	1	24	21	0	8	0	0	0	0	0	0	0	0	54
11:00	1	36	18	0	3	0	0	0	0	0	0	0	0	58
12 PM	0	47	31	0	10	0	0	0	0	0	0	0	0	88
13:00	2	42	25	0	10	0	0	0	0	0	0	0	0	79
14:00	1	58	37	0	8	0	0	0	0	0	0	0	0	104
15:00	0	72	42	0	10	0	0	0	0	0	0	0	0	124
16:00	2	70	50	0	13	0	0	0	0	0	0	0	0	135
17:00	1	92	57	0	13	0	0	0	0	0	0	0	0	163
18:00	1	64	32	0	11	0	0	2	0	0	0	0	0	110
19:00	1	68	38	0	10	0	0	0	0	0	0	0	0	117
20:00	0	41	23	0	4	0	0	0	0	0	0	0	0	68
21:00	0	30	12	0	2	0	0	0	0	0	0	0	0	44
22:00	0	15	3	0	2	0	0	0	0	0	0	0	0	20
23:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
Total	11	775	458	0	121	0	0	3	0	0	0	0	0	1368
Percent	0.8%	56.7%	33.5%	0.0%	8.8%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	11:00	09:00		08:00			08:00						08:00
Vol.	1	36	23		8			1						58
PM Peak	13:00	17:00	17:00		16:00			18:00						17:00
Vol.	2	92	57		13			2						163

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	2	2	0	1	0	0	0	0	0	0	0	0	5
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
04:00	0	1	0	0	1	0	0	0	0	0	0	0	0	2
05:00	0	4	0	0	1	0	0	0	0	0	0	0	0	5
06:00	0	6	10	0	1	0	0	0	0	0	0	0	0	17
07:00	0	29	19	0	5	0	0	0	0	0	0	0	0	53
08:00	0	24	24	0	8	0	0	0	0	0	0	0	0	56
09:00	0	27	20	0	8	0	0	3	0	0	0	0	0	58
10:00	0	22	26	0	8	1	0	0	0	0	0	0	0	57
11:00	0	20	19	0	9	0	0	0	0	0	0	0	0	48
12 PM	1	51	30	0	8	0	0	0	0	0	0	0	0	90
13:00	0	49	22	0	5	0	0	0	0	0	0	0	0	76
14:00	3	61	32	0	10	0	0	1	0	0	0	0	0	107
15:00	0	61	41	0	16	0	0	0	0	0	0	0	0	118
16:00	0	80	43	0	9	0	0	0	0	0	0	0	0	132
17:00	1	82	48	0	9	0	0	0	0	0	0	0	0	140
18:00	1	86	46	0	17	0	0	0	0	0	0	0	0	150
19:00	0	59	35	0	11	0	0	1	0	0	0	0	0	106
20:00	0	38	26	0	6	0	0	0	0	0	0	0	0	70
21:00	0	28	10	0	4	0	0	0	0	0	0	0	0	42
22:00	0	8	7	0	1	0	0	0	0	0	0	0	0	16
23:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
Total	6	744	465	0	138	1	0	5	0	0	0	0	0	1359
Percent	0.4%	54.7%	34.2%	0.0%	10.2%	0.1%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	10:00		11:00	10:00		09:00						09:00
Vol.		29	26		9	1		3						58
PM Peak	14:00	18:00	17:00		18:00			14:00						18:00
Vol.	3	86	48		17			1						150
Grand Total	17	1519	923	0	259	1	0	8	0	0	0	0	0	2727
Percent	0.6%	55.7%	33.8%	0.0%	9.5%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB, SB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	5	0	0	0	0	0	0	0	0	0	0	0	5
	01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
	02:00	0	2	2	0	1	0	0	0	0	0	0	0	0	5
	03:00	0	2	3	0	0	0	0	0	0	0	0	0	0	5
	04:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
	05:00	1	15	6	0	0	0	0	0	0	0	0	0	0	22
	06:00	0	45	21	0	3	1	0	0	0	0	0	0	0	70
	07:00	1	109	54	0	4	0	0	0	0	0	0	0	0	168
	08:00	1	107	44	0	10	0	0	1	0	0	0	0	0	163
	09:00	2	84	63	1	7	0	0	0	0	0	0	0	0	157
	10:00	1	88	42	0	10	0	0	0	0	0	0	0	0	141
	11:00	2	89	43	0	7	0	0	0	0	0	0	0	0	141
	12 PM	1	107	54	0	11	0	0	0	0	0	0	0	0	173
	13:00	6	90	42	0	14	0	0	1	0	0	0	0	0	153
	14:00	2	116	53	0	11	0	0	0	0	0	0	0	0	182
	15:00	0	143	70	0	12	0	0	0	0	0	0	0	0	225
	16:00	4	141	78	0	16	0	0	0	0	0	0	0	0	239
	17:00	3	176	90	0	14	0	0	0	0	0	0	0	0	283
	18:00	2	115	57	0	14	0	0	2	0	0	0	0	0	190
	19:00	1	123	63	0	13	0	0	0	0	0	0	0	0	200
	20:00	1	71	36	0	4	0	0	0	0	0	0	0	0	112
	21:00	2	57	17	0	2	0	0	0	0	0	0	0	0	78
	22:00	0	21	4	0	2	0	0	0	0	0	0	0	0	27
	23:00	0	11	3	0	0	0	0	0	0	0	0	0	0	14
	Total	30	1726	847	1	155	1	0	4	0	0	0	0	0	2764
	Percent	1.1%	62.4%	30.6%	0.0%	5.6%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	09:00	07:00	09:00	09:00	08:00	06:00		08:00						07:00
	Vol.	2	109	63	1	10	1		1						168
	PM Peak	13:00	17:00	17:00		16:00			18:00						17:00
	Vol.	6	176	90		16			2						283

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U6
Recorder #: Jamar #17
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St, south of Main St (106)

NB, SB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	5	2	0	1	0	0	0	0	0	0	0	0	8
	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	2	0	0	1	1	0	0	0	0	0	0	0	4
	03:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3
	04:00	0	4	0	0	1	0	0	0	0	0	0	0	0	5
	05:00	0	16	6	0	3	0	0	0	0	0	0	0	0	25
	06:00	0	34	27	0	2	1	0	0	0	0	0	0	0	64
	07:00	1	116	54	0	7	0	0	0	0	0	0	0	0	178
	08:00	0	105	59	0	11	0	0	0	0	0	0	0	0	175
	09:00	1	79	48	0	10	0	0	3	0	0	0	0	0	141
	10:00	1	80	52	1	11	1	0	0	0	0	0	0	0	146
	11:00	1	57	40	0	10	0	0	0	0	0	0	0	0	108
	12 PM	1	100	54	0	9	0	0	0	0	0	0	0	0	164
	13:00	0	89	40	0	7	0	0	0	0	0	0	0	0	136
	14:00	4	117	47	0	12	0	0	1	0	0	0	0	0	181
	15:00	0	132	66	0	20	0	0	0	0	0	0	0	0	218
	16:00	1	149	70	0	10	0	0	1	0	0	0	0	0	231
	17:00	2	155	65	0	12	0	0	0	0	0	0	0	0	234
	18:00	1	146	70	0	20	0	0	0	0	0	0	0	0	237
	19:00	2	104	59	0	11	0	0	1	0	0	0	0	0	177
	20:00	0	55	33	0	7	0	0	0	0	0	0	0	0	95
	21:00	1	47	14	0	5	0	0	0	0	0	0	0	0	67
	22:00	0	19	8	0	1	0	0	0	0	0	0	0	0	28
	23:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
	Total	16	1624	820	1	171	3	0	6	0	0	0	0	0	2641
	Percent	0.6%	61.5%	31.0%	0.0%	6.5%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	07:00	08:00	10:00	08:00	02:00		09:00						07:00
	Vol.	1	116	59	1	11	1		3						178
	PM Peak	14:00	17:00	16:00		15:00			14:00						18:00
	Vol.	4	155	70		20			1						237
	Grand Total	46	3350	1667	2	326	4	0	10	0	0	0	0	0	5405
	Percent	0.9%	62.0%	30.8%	0.0%	6.0%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Elm St (80), south of Brook St (80)

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	5	8	6	20	*	*	*	*	*	*	*	*	6	14
01:00	*	*	4	7	1	7	*	*	*	*	*	*	*	*	2	7
02:00	*	*	5	2	4	4	*	*	*	*	*	*	*	*	4	3
03:00	*	*	3	0	0	3	*	*	*	*	*	*	*	*	2	2
04:00	*	*	9	5	11	3	*	*	*	*	*	*	*	*	10	4
05:00	*	*	48	7	56	13	*	*	*	*	*	*	*	*	52	10
06:00	*	*	138	30	132	32	*	*	*	*	*	*	*	*	135	31
07:00	*	*	255	93	253	97	*	*	*	*	*	*	*	*	254	95
08:00	*	*	291	104	299	109	*	*	*	*	*	*	*	*	295	106
09:00	*	*	195	104	172	93	*	*	*	*	*	*	*	*	184	98
10:00	*	*	159	93	160	85	*	*	*	*	*	*	*	*	160	89
11:00	*	*	175	106	125	111	*	*	*	*	*	*	*	*	150	108
12:00 PM	*	*	153	153	138	156	*	*	*	*	*	*	*	*	146	154
01:00	*	*	139	145	123	138	*	*	*	*	*	*	*	*	131	142
02:00	*	*	147	193	143	195	*	*	*	*	*	*	*	*	145	194
03:00	*	*	194	258	178	233	*	*	*	*	*	*	*	*	186	246
04:00	*	*	181	261	193	260	*	*	*	*	*	*	*	*	187	260
05:00	*	*	227	293	188	258	*	*	*	*	*	*	*	*	208	276
06:00	*	*	134	216	157	261	*	*	*	*	*	*	*	*	146	238
07:00	*	*	142	228	134	206	*	*	*	*	*	*	*	*	138	217
08:00	*	*	79	145	54	136	*	*	*	*	*	*	*	*	66	140
09:00	*	*	54	102	49	92	*	*	*	*	*	*	*	*	52	97
10:00	*	*	20	53	20	44	*	*	*	*	*	*	*	*	20	48
11:00	*	*	12	29	14	26	*	*	*	*	*	*	*	*	13	28
Total	0	0	2769	2635	2610	2582	0	0	0	0	0	0	0	0	2692	2607
Day	0	0	5404		5192		0	0	0	0	0	0	0	0	5299	
AM Peak			08:00	11:00	08:00	11:00									08:00	11:00
Vol.			291	106	299	111									295	108
PM Peak			17:00	17:00	16:00	18:00									17:00	17:00
Vol.			227	293	193	261									208	276

Comb. Total 0 5404 5192 0 0 0 0 5299

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

Start Time	14-Sep-10 Tue		NB		SB		Combined		15-Sep- Wed	NB		SB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	3	41	2	37	5	78	1	30	7	34	8	64			
12:15	2	41	2	29	4	70	4	36	3	36	7	72			
12:30	0	40	2	44	2	84	1	33	6	51	7	84			
12:45	0	31	2	43	2	74	0	39	4	35	4	74			
01:00	1	40	3	45	4	85	0	39	3	34	3	73			
01:15	1	34	1	37	2	71	0	22	2	43	2	65			
01:30	2	28	0	34	2	62	0	34	1	33	1	67			
01:45	0	37	3	29	3	66	1	28	1	28	2	56			
02:00	2	33	1	43	3	76	0	24	1	36	1	60			
02:15	0	27	1	53	1	80	3	32	1	37	4	69			
02:30	0	34	0	54	0	88	1	35	1	72	2	107			
02:45	3	53	0	43	3	96	0	52	1	50	1	102			
03:00	1	58	0	67	1	125	0	58	3	57	3	115			
03:15	0	42	0	65	0	107	0	42	0	64	0	106			
03:30	2	49	0	62	2	111	0	36	0	59	0	95			
03:45	0	45	0	64	0	109	0	42	0	53	0	95			
04:00	2	49	1	60	3	109	2	25	0	60	2	85			
04:15	2	37	1	72	3	109	1	46	1	70	2	116			
04:30	4	50	2	59	6	109	4	65	0	56	4	121			
04:45	1	45	1	70	2	115	4	57	2	74	6	131			
05:00	3	77	3	63	6	140	6	48	2	63	8	111			
05:15	13	67	2	75	15	142	17	51	4	53	21	104			
05:30	16	50	2	61	18	111	15	41	2	72	17	113			
05:45	16	33	0	94	16	127	18	48	5	70	23	118			
06:00	26	39	5	63	31	102	18	45	3	89	21	134			
06:15	34	39	4	58	38	97	39	40	7	69	46	109			
06:30	37	31	6	46	43	77	28	29	7	51	35	80			
06:45	41	25	15	49	56	74	47	43	15	52	62	95			
07:00	57	46	13	65	70	111	55	55	14	56	69	111			
07:15	76	37	12	51	88	88	68	37	17	65	85	102			
07:30	67	35	25	53	92	88	58	22	29	49	87	71			
07:45	55	24	43	59	98	83	72	20	37	36	109	56			
08:00	79	14	28	33	107	47	96	15	34	32	130	47			
08:15	90	10	11	47	101	57	85	13	17	38	102	51			
08:30	72	26	28	36	100	62	67	17	24	38	91	55			
08:45	50	29	37	29	87	58	51	9	34	28	85	37			
09:00	54	21	23	28	77	49	55	14	20	31	75	45			
09:15	63	17	28	28	91	45	43	17	26	24	69	41			
09:30	41	10	23	23	64	33	37	11	26	21	63	32			
09:45	37	6	30	23	67	29	37	7	21	16	58	23			
10:00	47	4	25	19	72	23	45	5	16	22	61	27			
10:15	44	7	29	11	73	18	39	6	21	5	60	11			
10:30	38	7	19	11	57	18	44	7	29	9	73	16			
10:45	30	2	20	12	50	14	32	2	19	8	51	10			
11:00	39	7	25	7	64	14	31	4	33	10	64	14			
11:15	46	3	23	9	69	12	29	1	25	6	54	7			
11:30	44	2	26	11	70	13	37	5	28	8	65	13			
11:45	46	0	32	2	78	2	28	4	25	2	53	6			
Total	1287	1482	559	2076	1846	3558	1219	1391	577	2005	1796	3396			
Day Total	2769		2635		5404		2610		2582		5192				
% Total	0.0%	23.8%	27.4%	10.3%	38.4%		23.5%	26.8%	11.1%	38.6%					
Peak	07:45	04:30	08:30	05:00	07:45	05:00	07:45	04:30	07:15	05:30	07:45	04:15			
Vol.	296	239	116	293	406	520	320	221	117	300	432	479			
P.H.F.	0.822	0.776	0.784	0.779	0.949	0.915	0.833	0.850	0.791	0.843	0.831	0.914			

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	13	26	*	*	*	*	20
01:00	*	11	8	*	*	*	*	10
02:00	*	7	8	*	*	*	*	8
03:00	*	3	3	*	*	*	*	3
04:00	*	14	14	*	*	*	*	14
05:00	*	55	69	*	*	*	*	62
06:00	*	168	164	*	*	*	*	166
07:00	*	348	350	*	*	*	*	349
08:00	*	395	408	*	*	*	*	402
09:00	*	299	265	*	*	*	*	282
10:00	*	252	245	*	*	*	*	248
11:00	*	281	236	*	*	*	*	258
12:00 PM	*	306	294	*	*	*	*	300
01:00	*	284	261	*	*	*	*	272
02:00	*	340	338	*	*	*	*	339
03:00	*	452	411	*	*	*	*	432
04:00	*	442	453	*	*	*	*	448
05:00	*	520	446	*	*	*	*	483
06:00	*	350	418	*	*	*	*	384
07:00	*	370	340	*	*	*	*	355
08:00	*	224	190	*	*	*	*	207
09:00	*	156	141	*	*	*	*	148
10:00	*	73	64	*	*	*	*	68
11:00	*	41	40	*	*	*	*	40
Total	0	5404	5192	0	0	0	0	5298
Percentage	0.0%	102.0%	98.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		395	408					402
PM Peak		17:00	16:00					17:00
Vol.		520	453					483

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Elm St (80), south of Brook St (80)

NB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	2	1	1	1	0	0	0	0	0	5
01:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	4
02:00	0	0	0	1	0	1	1	2	0	0	0	0	0	0	5
03:00	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
04:00	0	0	0	0	0	0	6	2	1	0	0	0	0	0	9
05:00	0	0	0	0	1	13	21	11	2	0	0	0	0	0	48
06:00	0	0	1	1	15	41	66	12	2	0	0	0	0	0	138
07:00	17	1	0	2	18	103	107	7	0	0	0	0	0	0	255
08:00	16	2	4	7	24	118	98	21	1	0	0	0	0	0	291
09:00	2	0	0	2	12	66	94	18	1	0	0	0	0	0	195
10:00	2	0	1	3	17	59	69	7	0	1	0	0	0	0	159
11:00	3	0	3	4	25	83	46	9	2	0	0	0	0	0	175
12 PM	2	0	0	0	12	67	61	10	1	0	0	0	0	0	153
13:00	2	0	2	3	25	51	49	7	0	0	0	0	0	0	139
14:00	0	3	2	3	26	59	50	2	1	1	0	0	0	0	147
15:00	6	2	2	3	19	93	58	11	0	0	0	0	0	0	194
16:00	4	1	1	0	15	89	55	14	2	0	0	0	0	0	181
17:00	6	0	0	2	15	112	74	18	0	0	0	0	0	0	227
18:00	0	0	1	2	12	59	53	6	1	0	0	0	0	0	134
19:00	3	2	0	0	24	60	47	6	0	0	0	0	0	0	142
20:00	0	0	1	1	11	38	20	8	0	0	0	0	0	0	79
21:00	0	0	0	2	3	24	22	3	0	0	0	0	0	0	54
22:00	0	0	1	0	1	8	8	1	0	1	0	0	0	0	20
23:00	0	0	0	0	2	5	4	1	0	0	0	0	0	0	12
Total	63	11	19	36	277	1155	1012	178	15	3	0	0	0	0	2769

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	76	999	Total
9/15/10	0	0	0	0	0	3	1	2	0	0	0	0	0	0	0	6
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	1	6	2	0	2	0	0	0	0	0	11
05:00	0	0	0	0	1	9	33	9	4	0	0	0	0	0	0	56
06:00	0	0	1	1	11	50	52	14	2	1	0	0	0	0	0	132
07:00	14	1	0	7	16	106	95	12	2	0	0	0	0	0	0	253
08:00	19	3	8	14	34	118	93	10	0	0	0	0	0	0	0	299
09:00	0	0	1	3	12	86	58	11	1	0	0	0	0	0	0	172
10:00	4	0	0	6	33	74	43	0	0	0	0	0	0	0	0	160
11:00	1	0	3	1	12	59	40	8	1	0	0	0	0	0	0	125
12 PM	5	1	0	5	15	51	49	10	2	0	0	0	0	0	0	138
13:00	1	0	3	2	17	58	38	3	1	0	0	0	0	0	0	123
14:00	4	1	1	4	22	49	53	8	1	0	0	0	0	0	0	143
15:00	6	2	1	3	32	72	51	10	1	0	0	0	0	0	0	178
16:00	7	2	0	1	18	85	67	12	1	0	0	0	0	0	0	193
17:00	12	0	1	2	9	76	75	13	0	0	0	0	0	0	0	188
18:00	4	2	0	1	15	74	53	7	1	0	0	0	0	0	0	157
19:00	4	1	2	0	10	57	49	11	0	0	0	0	0	0	0	134
20:00	0	1	0	1	3	27	15	5	2	0	0	0	0	0	0	54
21:00	1	0	1	2	5	18	20	2	0	0	0	0	0	0	0	49
22:00	0	0	0	0	2	9	7	1	1	0	0	0	0	0	0	20
23:00	0	0	0	0	0	4	5	4	0	0	1	0	0	0	0	14
Total	82	14	22	53	267	1089	905	154	20	3	1	0	0	0	0	2610
Grand Total	145	25	41	89	544	2244	1917	332	35	6	1	0	0	0	0	5379

15th Percentile : 35 MPH
50th Percentile : 40 MPH
85th Percentile : 44 MPH
95th Percentile : 47 MPH

Stats
Mean Speed(Average) : 39 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 4161
Percent in Pace : 77.4%
Number of Vehicles > 35 MPH : 4535
Percent of Vehicles > 35 MPH : 84.3%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Elm St (80), south of Brook St (80)

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	1	1	3	1	1	1	0	0	0	0	0	8
01:00	0	0	0	1	1	3	1	1	0	0	0	0	0	0	7
02:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	2	1	0	1	0	0	0	0	0	0	5
05:00	0	0	0	0	2	4	0	1	0	0	0	0	0	0	7
06:00	1	0	0	2	11	12	4	0	0	0	0	0	0	0	30
07:00	4	0	1	7	23	43	13	2	0	0	0	0	0	0	93
08:00	7	0	3	5	29	40	17	3	0	0	0	0	0	0	104
09:00	1	0	2	8	25	48	16	4	0	0	0	0	0	0	104
10:00	6	0	1	10	26	35	14	1	0	0	0	0	0	0	93
11:00	3	0	2	6	26	45	22	2	0	0	0	0	0	0	106
12 PM	0	0	3	9	45	72	24	0	0	0	0	0	0	0	153
13:00	7	0	1	8	28	74	23	4	0	0	0	0	0	0	145
14:00	2	2	2	9	60	80	34	3	0	1	0	0	0	0	193
15:00	7	1	8	25	69	113	33	2	0	0	0	0	0	0	258
16:00	10	0	2	11	60	133	39	6	0	0	0	0	0	0	261
17:00	3	0	1	11	71	147	57	3	0	0	0	0	0	0	293
18:00	2	1	1	8	53	100	48	3	0	0	0	0	0	0	216
19:00	3	0	0	12	75	110	24	4	0	0	0	0	0	0	228
20:00	4	0	0	3	51	56	27	2	1	1	0	0	0	0	145
21:00	0	0	0	4	19	57	21	1	0	0	0	0	0	0	102
22:00	0	0	0	2	12	20	15	2	2	0	0	0	0	0	53
23:00	0	0	0	1	4	12	10	2	0	0	0	0	0	0	29
Total	60	4	27	144	693	1208	445	48	4	2	0	0	0	0	2635

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

SB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	0	0	0	0	1	4	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
01:00	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
02:00	0	0	0	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
03:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
04:00	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
05:00	0	0	0	1	0	2	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	
06:00	3	0	0	1	1	7	12	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	
07:00	5	0	0	1	8	17	54	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	
08:00	8	0	0	4	8	27	42	17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	
09:00	1	0	0	1	5	24	45	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93	
10:00	0	0	0	2	13	27	29	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85	
11:00	3	1	1	3	3	31	51	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	
12 PM	1	0	0	3	3	39	81	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	156	
13:00	1	0	0	3	9	26	70	26	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	138	
14:00	10	0	0	4	11	50	86	30	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	195	
15:00	3	0	0	5	18	59	98	45	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	233	
16:00	8	2	2	4	14	56	116	54	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	
17:00	7	0	0	1	6	57	132	53	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	258	
18:00	4	3	3	4	8	67	106	60	6	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	261	
19:00	5	0	0	1	15	57	92	35	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	206	
20:00	0	0	0	1	9	40	68	14	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	
21:00	0	0	0	0	3	22	46	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	
22:00	0	0	0	1	5	12	14	9	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	44	
23:00	0	0	0	0	1	3	13	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	
Total	59	6	6	38	144	630	1171	478	49	4	0	3	0	3	0	0	0	0	3	0	0	0	0	0	0	0	2582	
Grand Total	119	10	10	65	288	1323	2379	923	97	8	2	3	0	3	0	0	0	0	3	0	0	0	0	0	0	0	5217	

15th Percentile : 32 MPH
50th Percentile : 37 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Stats
Mean Speed(Average) : 36 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 3702
Percent in Pace : 71.0%
Number of Vehicles > 35 MPH : 3412
Percent of Vehicles > 35 MPH : 65.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	1	1	5	2	2	2	0	0	0	0	0	13
01:00	0	0	0	1	1	5	3	1	0	0	0	0	0	0	11
02:00	0	0	0	1	0	1	3	2	0	0	0	0	0	0	7
03:00	0	0	0	0	0	2	0	1	0	0	0	0	0	0	3
04:00	0	0	0	1	2	1	6	3	1	0	0	0	0	0	14
05:00	0	0	0	0	3	17	21	12	2	0	0	0	0	0	55
06:00	1	0	1	3	26	53	70	12	2	0	0	0	0	0	168
07:00	21	1	1	9	41	146	120	9	0	0	0	0	0	0	348
08:00	23	2	7	12	53	158	115	24	1	0	0	0	0	0	395
09:00	3	0	2	10	37	114	110	22	1	0	0	0	0	0	299
10:00	8	0	2	13	43	94	83	8	0	1	0	0	0	0	252
11:00	6	0	5	10	51	128	68	11	2	0	0	0	0	0	281
12 PM	2	0	3	9	57	139	85	10	1	0	0	0	0	0	306
13:00	9	0	3	11	53	125	72	11	0	0	0	0	0	0	284
14:00	2	5	4	12	86	139	84	5	1	2	0	0	0	0	340
15:00	13	3	10	28	88	206	91	13	0	0	0	0	0	0	452
16:00	14	1	3	11	75	222	94	20	2	0	0	0	0	0	442
17:00	9	0	1	13	86	259	131	21	0	0	0	0	0	0	520
18:00	2	1	2	10	65	159	101	9	1	0	0	0	0	0	350
19:00	6	2	0	12	99	170	71	10	0	0	0	0	0	0	370
20:00	4	0	1	4	62	94	47	10	1	1	0	0	0	0	224
21:00	0	0	0	6	22	81	43	4	0	0	0	0	0	0	156
22:00	0	0	1	2	13	28	23	3	2	1	0	0	0	0	73
23:00	0	0	0	1	6	17	14	3	0	0	0	0	0	0	41
Total	123	15	46	180	970	2363	1457	226	19	5	0	0	0	0	5404

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	76	999	Total
9/15/10	0	0	0	1	4	10	8	3	0	0	0	0	0	0	0	26
01:00	0	0	0	1	1	3	2	1	0	0	0	0	0	0	0	8
02:00	0	0	0	0	0	4	3	0	1	0	0	0	0	0	0	8
03:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
04:00	0	0	0	2	0	2	6	2	0	2	0	0	0	0	0	14
05:00	0	0	1	0	3	12	40	9	4	0	0	0	0	0	0	69
06:00	3	0	2	2	18	62	59	15	2	1	0	0	0	0	0	164
07:00	19	1	1	15	33	160	107	12	2	0	0	0	0	0	0	350
08:00	27	3	12	22	61	160	110	13	0	0	0	0	0	0	0	408
09:00	1	0	2	8	36	131	74	12	1	0	0	0	0	0	0	265
10:00	4	0	2	19	60	103	56	1	0	0	0	0	0	0	0	245
11:00	4	1	4	4	43	110	57	12	1	0	0	0	0	0	0	236
12 PM	6	1	3	8	54	132	78	10	2	0	0	0	0	0	0	294
13:00	2	0	6	11	43	128	64	6	1	0	0	0	0	0	0	261
14:00	14	1	5	15	72	135	83	12	1	0	0	0	0	0	0	338
15:00	9	2	6	21	91	170	96	15	1	0	0	0	0	0	0	411
16:00	15	4	4	15	74	201	121	18	1	0	0	0	0	0	0	453
17:00	19	0	2	8	66	208	128	15	0	0	0	0	0	0	0	446
18:00	8	5	4	9	82	180	113	13	3	0	1	0	0	0	0	418
19:00	9	1	3	15	67	149	84	12	0	0	0	0	0	0	0	340
20:00	0	1	1	10	43	95	29	8	3	0	0	0	0	0	0	190
21:00	1	0	1	5	27	64	37	6	0	0	0	0	0	0	0	141
22:00	0	0	1	5	14	23	16	2	1	0	2	0	0	0	0	64
23:00	0	0	0	1	3	17	12	6	0	0	1	0	0	0	0	40
Total	141	20	60	197	897	2260	1383	203	24	3	4	0	0	0	0	5192
Grand Total	264	35	106	377	1867	4623	2840	429	43	8	4	0	0	0	0	10596

15th Percentile : 33 MPH
50th Percentile : 38 MPH
85th Percentile : 44 MPH
95th Percentile : 45 MPH

Stats
Mean Speed(Average) : 38 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 7463
Percent in Pace : 70.4%
Number of Vehicles > 35 MPH : 7947
Percent of Vehicles > 35 MPH : 75.0%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	4	1	0	0	0	0	0	0	0	0	0	0	5
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	2	2	0	1	0	0	0	0	0	0	0	0	5
03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3
04:00	0	5	3	0	1	0	0	0	0	0	0	0	0	9
05:00	0	24	17	0	7	0	0	0	0	0	0	0	0	48
06:00	1	90	35	0	11	1	0	0	0	0	0	0	0	138
07:00	2	177	64	0	10	1	0	0	1	0	0	0	0	255
08:00	2	189	80	2	15	1	0	0	2	0	0	0	0	291
09:00	1	127	52	2	7	1	0	1	4	0	0	0	0	195
10:00	1	108	37	0	10	1	0	0	2	0	0	0	0	159
11:00	1	107	45	0	14	4	0	0	4	0	0	0	0	175
12 PM	1	101	33	0	15	3	0	0	0	0	0	0	0	153
13:00	3	84	36	0	8	6	0	0	2	0	0	0	0	139
14:00	0	91	39	4	9	3	0	0	1	0	0	0	0	147
15:00	2	124	50	1	15	0	0	1	1	0	0	0	0	194
16:00	3	122	51	0	4	0	0	1	0	0	0	0	0	181
17:00	3	145	69	0	10	0	0	0	0	0	0	0	0	227
18:00	3	83	36	0	11	1	0	0	0	0	0	0	0	134
19:00	0	91	43	0	8	0	0	0	0	0	0	0	0	142
20:00	1	55	22	0	1	0	0	0	0	0	0	0	0	79
21:00	2	42	9	0	1	0	0	0	0	0	0	0	0	54
22:00	1	13	5	0	1	0	0	0	0	0	0	0	0	20
23:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12
Total	27	1799	732	9	160	22	0	3	17	0	0	0	0	2769
Percent	1.0%	65.0%	26.4%	0.3%	5.8%	0.8%	0.0%	0.1%	0.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	08:00	11:00		09:00	09:00					08:00
Vol.	2	189	80	2	15	4		1	4					291
PM Peak	13:00	17:00	17:00	14:00	12:00	13:00		15:00	13:00					17:00
Vol.	3	145	69	4	15	6		1	2					227

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	5	1	0	0	0	0	0	0	0	0	0	0	6
	01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	1	1	0	1	1	0	0	0	0	0	0	0	4
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	6	2	0	3	0	0	0	0	0	0	0	0	11
	05:00	0	33	17	0	6	0	0	0	0	0	0	0	0	56
	06:00	1	71	45	0	13	0	0	1	1	0	0	0	0	132
	07:00	2	172	63	0	14	1	0	0	1	0	0	0	0	253
	08:00	0	206	71	5	14	0	0	1	1	0	0	0	0	298
	09:00	1	97	64	0	9	1	0	0	0	0	0	0	0	172
	10:00	0	104	43	0	12	0	0	0	1	0	0	0	0	160
	11:00	1	75	43	0	4	1	0	0	1	0	0	0	0	125
	12 PM	1	93	37	0	6	1	0	0	0	0	0	0	0	138
	13:00	0	74	32	0	10	3	0	2	2	0	0	0	0	123
	14:00	0	88	39	5	7	3	0	0	1	0	0	0	0	143
	15:00	1	114	56	1	3	0	0	2	1	0	0	0	0	178
	16:00	1	125	59	0	6	0	0	1	0	0	0	0	0	192
	17:00	4	130	45	0	7	2	0	0	0	0	0	0	0	188
	18:00	4	108	35	1	8	1	0	0	0	0	0	0	0	157
	19:00	5	86	34	0	8	1	0	0	0	0	0	0	0	134
	20:00	0	36	13	0	4	0	0	1	0	0	0	0	0	54
	21:00	1	32	13	0	3	0	0	0	0	0	0	0	0	49
	22:00	1	15	3	0	1	0	0	0	0	0	0	0	0	20
	23:00	0	10	4	0	0	0	0	0	0	0	0	0	0	14
	Total	23	1682	720	12	139	15	0	8	9	0	0	0	0	2608
	Percent	0.9%	64.5%	27.6%	0.5%	5.3%	0.6%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	08:00	08:00	08:00	07:00	02:00		06:00	06:00					08:00
	Vol.	2	206	71	5	14	1		1	1					298
	PM Peak	19:00	17:00	16:00	14:00	13:00	13:00		13:00	13:00					16:00
	Vol.	5	130	59	5	10	3		2	2					192
	Grand Total	50	3481	1452	21	299	37	0	11	26	0	0	0	0	5377
	Percent	0.9%	64.7%	27.0%	0.4%	5.6%	0.7%	0.0%	0.2%	0.5%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	5	3	0	0	0	0	0	0	0	0	0	0	8
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
05:00	0	3	4	0	0	0	0	0	0	0	0	0	0	7
06:00	0	13	11	2	4	0	0	0	0	0	0	0	0	30
07:00	1	61	24	3	2	1	0	0	1	0	0	0	0	93
08:00	1	62	30	3	2	3	0	0	3	0	0	0	0	104
09:00	0	69	28	0	6	0	0	0	1	0	0	0	0	104
10:00	0	51	30	0	9	2	0	0	1	0	0	0	0	93
11:00	1	66	31	0	3	4	0	0	1	0	0	0	0	106
12 PM	0	103	33	0	12	4	0	0	1	0	0	0	0	153
13:00	4	92	39	0	6	4	0	0	0	0	0	0	0	145
14:00	3	127	44	1	13	3	0	0	2	0	0	0	0	193
15:00	1	155	79	6	14	2	0	1	0	0	0	0	0	258
16:00	2	164	78	0	14	1	0	0	1	0	0	0	0	260
17:00	1	205	71	0	14	1	0	1	0	0	0	0	0	293
18:00	0	152	57	0	6	0	0	1	0	0	0	0	0	216
19:00	4	157	59	0	8	0	0	0	0	0	0	0	0	228
20:00	1	104	34	0	6	0	0	0	0	0	0	0	0	145
21:00	0	73	26	0	3	0	0	0	0	0	0	0	0	102
22:00	1	41	11	0	0	0	0	0	0	0	0	0	0	53
23:00	0	20	5	0	4	0	0	0	0	0	0	0	0	29
Total	20	1732	702	15	126	25	0	3	11	0	0	0	0	2634
Percent	0.8%	65.8%	26.7%	0.6%	4.8%	0.9%	0.0%	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	09:00	11:00	07:00	10:00	11:00			08:00					11:00
Vol.	1	69	31	3	9	4			3					106
PM Peak	13:00	17:00	15:00	15:00	15:00	12:00		15:00	14:00					17:00
Vol.	4	205	79	6	14	4		1	2					293

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Elm St (80), south of Brook St (80)

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	14	5	0	1	0	0	0	0	0	0	0	0	20
01:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	8	3	0	2	0	0	0	0	0	0	0	0	13
06:00	0	12	16	3	1	0	0	0	0	0	0	0	0	32
07:00	1	60	26	3	4	2	0	1	0	0	0	0	0	97
08:00	1	63	33	1	9	0	0	0	1	0	0	0	0	108
09:00	0	54	31	1	7	0	0	0	0	0	0	0	0	93
10:00	1	45	34	0	5	0	0	0	0	0	0	0	0	85
11:00	1	71	27	0	11	0	0	0	1	0	0	0	0	111
12 PM	2	97	47	0	9	1	0	0	0	0	0	0	0	156
13:00	0	92	37	2	5	1	0	0	1	0	0	0	0	138
14:00	2	117	62	1	9	1	0	3	0	0	0	0	0	195
15:00	1	145	66	5	14	1	0	1	0	0	0	0	0	233
16:00	0	170	77	0	12	1	0	0	0	0	0	0	0	260
17:00	3	182	62	0	10	1	0	0	0	0	0	0	0	258
18:00	3	179	67	0	12	0	0	0	0	0	0	0	0	261
19:00	0	137	59	0	10	0	0	0	0	0	0	0	0	206
20:00	1	96	34	0	5	0	0	0	0	0	0	0	0	136
21:00	1	57	30	0	3	1	0	0	0	0	0	0	0	92
22:00	0	34	8	0	2	0	0	0	0	0	0	0	0	44
23:00	0	20	5	0	1	0	0	0	0	0	0	0	0	26
Total	17	1664	735	16	132	9	0	5	3	0	0	0	0	2581
Percent	0.7%	64.5%	28.5%	0.6%	5.1%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	11:00	10:00	06:00	11:00	07:00		07:00	08:00					11:00
Vol.	1	71	34	3	11	2		1	1					111
PM Peak	17:00	17:00	16:00	15:00	15:00	12:00		14:00	13:00					18:00
Vol.	3	182	77	5	14	1		3	1					261
Grand Total	37	3396	1437	31	258	34	0	8	14	0	0	0	0	5215
Percent	0.7%	65.1%	27.6%	0.6%	4.9%	0.7%	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB, SB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	9	4	0	0	0	0	0	0	0	0	0	0	13
	01:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11
	02:00	0	2	4	0	1	0	0	0	0	0	0	0	0	7
	03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3
	04:00	0	9	4	0	1	0	0	0	0	0	0	0	0	14
	05:00	0	27	21	0	7	0	0	0	0	0	0	0	0	55
	06:00	1	103	46	2	15	1	0	0	0	0	0	0	0	168
	07:00	3	238	88	3	12	2	0	0	2	0	0	0	0	348
	08:00	3	251	110	5	17	4	0	0	5	0	0	0	0	395
	09:00	1	196	80	2	13	1	0	1	5	0	0	0	0	299
	10:00	1	159	67	0	19	3	0	0	3	0	0	0	0	252
	11:00	2	173	76	0	17	8	0	0	5	0	0	0	0	281
	12 PM	1	204	66	0	27	7	0	0	1	0	0	0	0	306
	13:00	7	176	75	0	14	10	0	0	2	0	0	0	0	284
	14:00	3	218	83	5	22	6	0	0	3	0	0	0	0	340
	15:00	3	279	129	7	29	2	0	2	1	0	0	0	0	452
	16:00	5	286	129	0	18	1	0	1	1	0	0	0	0	441
	17:00	4	350	140	0	24	1	0	1	0	0	0	0	0	520
	18:00	3	235	93	0	17	1	0	1	0	0	0	0	0	350
	19:00	4	248	102	0	16	0	0	0	0	0	0	0	0	370
	20:00	2	159	56	0	7	0	0	0	0	0	0	0	0	224
	21:00	2	115	35	0	4	0	0	0	0	0	0	0	0	156
	22:00	2	54	16	0	1	0	0	0	0	0	0	0	0	73
	23:00	0	31	6	0	4	0	0	0	0	0	0	0	0	41
	Total	47	3531	1434	24	286	47	0	6	28	0	0	0	0	5403
	Percent	0.9%	65.4%	26.5%	0.4%	5.3%	0.9%	0.0%	0.1%	0.5%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	08:00	08:00	08:00	10:00	11:00		09:00	08:00					08:00
	Vol.	3	251	110	5	19	8		1	5					395
	PM Peak	13:00	17:00	17:00	15:00	15:00	13:00		15:00	14:00					17:00
	Vol.	7	350	140	7	29	10		2	3					520

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Elm St (80), south of Brook St (80)

NB, SB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	19	6	0	1	0	0	0	0	0	0	0	0	26
	01:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8
	02:00	0	4	2	0	1	1	0	0	0	0	0	0	0	8
	03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
	04:00	0	9	2	0	3	0	0	0	0	0	0	0	0	14
	05:00	0	41	20	0	8	0	0	0	0	0	0	0	0	69
	06:00	1	83	61	3	14	0	0	1	1	0	0	0	0	164
	07:00	3	232	89	3	18	3	0	1	1	0	0	0	0	350
	08:00	1	269	104	6	23	0	0	1	2	0	0	0	0	406
	09:00	1	151	95	1	16	1	0	0	0	0	0	0	0	265
	10:00	1	149	77	0	17	0	0	0	1	0	0	0	0	245
	11:00	2	146	70	0	15	1	0	0	2	0	0	0	0	236
	12 PM	3	190	84	0	15	2	0	0	0	0	0	0	0	294
	13:00	0	166	69	2	15	4	0	2	3	0	0	0	0	261
	14:00	2	205	101	6	16	4	0	3	1	0	0	0	0	338
	15:00	2	259	122	6	17	1	0	3	1	0	0	0	0	411
	16:00	1	295	136	0	18	1	0	1	0	0	0	0	0	452
	17:00	7	312	107	0	17	3	0	0	0	0	0	0	0	446
	18:00	7	287	102	1	20	1	0	0	0	0	0	0	0	418
	19:00	5	223	93	0	18	1	0	0	0	0	0	0	0	340
	20:00	1	132	47	0	9	0	0	1	0	0	0	0	0	190
	21:00	2	89	43	0	6	1	0	0	0	0	0	0	0	141
	22:00	1	49	11	0	3	0	0	0	0	0	0	0	0	64
	23:00	0	30	9	0	1	0	0	0	0	0	0	0	0	40
	Total	40	3346	1455	28	271	24	0	13	12	0	0	0	0	5189
	Percent	0.8%	64.5%	28.0%	0.5%	5.2%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	08:00	08:00	08:00	08:00	07:00		06:00	08:00					08:00
	Vol.	3	269	104	6	23	3		1	2					406
	PM Peak	17:00	17:00	16:00	14:00	18:00	13:00		14:00	13:00					16:00
	Vol.	7	312	136	6	20	4		3	3					452
	Grand Total	87	6877	2889	52	557	71	0	19	40	0	0	0	0	10592
	Percent	0.8%	64.9%	27.3%	0.5%	5.3%	0.7%	0.0%	0.2%	0.4%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Elm St

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	30	48	29	53	*	*	*	*	*	*	*	*	30	50
01:00	*	*	17	24	21	27	*	*	*	*	*	*	*	*	19	26
02:00	*	*	6	13	12	12	*	*	*	*	*	*	*	*	9	12
03:00	*	*	7	11	11	9	*	*	*	*	*	*	*	*	9	10
04:00	*	*	20	24	19	15	*	*	*	*	*	*	*	*	20	20
05:00	*	*	82	48	92	57	*	*	*	*	*	*	*	*	87	52
06:00	*	*	255	184	230	171	*	*	*	*	*	*	*	*	242	178
07:00	*	*	482	467	444	429	*	*	*	*	*	*	*	*	463	448
08:00	*	*	533	387	535	386	*	*	*	*	*	*	*	*	534	386
09:00	*	*	453	322	463	307	*	*	*	*	*	*	*	*	458	314
10:00	*	*	384	319	437	324	*	*	*	*	*	*	*	*	410	322
11:00	*	*	390	345	352	341	*	*	*	*	*	*	*	*	371	343
12:00 PM	*	*	426	361	368	356	*	*	*	*	*	*	*	*	397	358
01:00	*	*	403	381	356	384	*	*	*	*	*	*	*	*	380	382
02:00	*	*	500	451	488	386	*	*	*	*	*	*	*	*	494	418
03:00	*	*	469	548	484	523	*	*	*	*	*	*	*	*	476	536
04:00	*	*	527	529	474	579	*	*	*	*	*	*	*	*	500	554
05:00	*	*	555	600	469	562	*	*	*	*	*	*	*	*	512	581
06:00	*	*	458	498	485	482	*	*	*	*	*	*	*	*	472	490
07:00	*	*	377	383	330	366	*	*	*	*	*	*	*	*	354	374
08:00	*	*	215	314	240	268	*	*	*	*	*	*	*	*	228	291
09:00	*	*	129	236	159	236	*	*	*	*	*	*	*	*	144	236
10:00	*	*	104	141	97	146	*	*	*	*	*	*	*	*	100	144
11:00	*	*	63	93	52	89	*	*	*	*	*	*	*	*	58	91
Total	0	0	6885	6727	6647	6508	0	0	0	0	0	0	0	0	6767	6616
Day	0	0	13612		13155		0	0	0	0	0	0	0	0	13383	
AM Peak			08:00	07:00	08:00	07:00									08:00	07:00
Vol.			533	467	535	429									534	448
PM Peak			17:00	17:00	14:00	16:00									17:00	17:00
Vol.			555	600	488	579									512	581
Comb. Total	0	0	13612		13155		0	0	0	0	0	0	0	0	13383	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

Start Time	14-Sep-10		EB		WB		Combined		15-Sep-Wed	EB		WB		Combined	
	Tue		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			12	113	13	83	25	196		12	96	16	85	28	181
12:15			4	94	14	96	18	190		4	104	7	98	11	202
12:30			9	116	14	89	23	205		10	75	22	84	32	159
12:45			5	103	7	93	12	196		3	93	8	89	11	182
01:00			10	119	7	97	17	216		5	96	8	89	13	185
01:15			2	95	8	91	10	186		8	101	9	99	17	200
01:30			3	99	5	80	8	179		3	79	6	86	9	165
01:45			2	90	4	113	6	203		5	80	4	110	9	190
02:00			2	116	6	121	8	237		4	99	3	95	7	194
02:15			1	112	2	99	3	211		0	109	4	111	4	220
02:30			1	137	3	135	4	272		6	157	4	78	10	235
02:45			2	135	2	96	4	231		2	123	1	102	3	225
03:00			2	129	4	111	6	240		3	122	2	132	5	254
03:15			2	109	2	150	4	259		1	119	1	134	2	253
03:30			2	114	3	139	5	253		5	118	1	124	6	242
03:45			1	117	2	148	3	265		2	125	5	133	7	258
04:00			6	142	3	121	9	263		4	118	2	142	6	260
04:15			1	126	7	123	8	249		5	97	2	139	7	236
04:30			8	125	12	130	20	255		5	122	6	146	11	268
04:45			5	134	2	155	7	289		5	137	5	152	10	289
05:00			9	123	8	147	17	270		13	126	7	138	20	264
05:15			10	151	10	150	20	301		10	108	16	134	26	242
05:30			28	132	9	175	37	307		24	103	15	161	39	264
05:45			35	149	21	128	56	277		45	132	19	129	64	261
06:00			38	119	22	144	60	263		32	129	24	139	56	268
06:15			51	117	45	138	96	255		42	135	33	122	75	257
06:30			65	116	60	121	125	237		65	117	56	118	121	235
06:45			101	106	57	95	158	201		91	104	58	103	149	207
07:00			87	108	93	101	180	209		93	111	92	101	185	212
07:15			100	97	149	105	249	202		90	94	134	104	224	198
07:30			144	102	123	94	267	196		129	62	105	83	234	145
07:45			151	70	102	83	253	153		132	63	98	78	230	141
08:00			140	64	92	76	232	140		143	59	88	63	231	122
08:15			125	57	91	87	216	144		140	67	87	82	227	149
08:30			146	49	108	89	254	138		145	60	111	56	256	116
08:45			122	45	96	62	218	107		107	54	100	67	207	121
09:00			135	34	104	56	239	90		147	51	80	69	227	120
09:15			104	31	83	72	187	103		109	40	86	66	195	106
09:30			106	34	71	55	177	89		99	34	82	51	181	85
09:45			108	30	64	53	172	83		108	34	59	50	167	84
10:00			106	34	73	36	179	70		113	22	82	52	195	74
10:15			88	25	80	47	168	72		109	24	81	40	190	64
10:30			97	24	91	24	188	48		116	30	70	37	186	67
10:45			93	21	75	34	168	55		99	21	91	17	190	38
11:00			84	24	81	29	165	53		85	19	79	27	164	46
11:15			97	12	78	29	175	41		101	11	82	25	183	36
11:30			95	13	96	23	191	36		63	11	91	21	154	32
11:45			114	14	90	12	204	26		103	11	89	16	192	27
Total			2659	4226	2192	4535	4851	8761		2645	4002	2131	4377	4776	8379
Day Total			6885		6727		13612			6647		6508		13155	
% Total	0.0%		19.5%	31.0%	16.1%	33.3%			20.1%	30.4%	16.2%	33.3%			
Peak			07:45	05:00	07:00	04:45	07:15	04:45		07:45	02:30	07:00	04:45	07:45	04:30
Vol.			562	555	467	627	1001	1167		560	521	429	585	944	1063
P.H.F.			0.930	0.919	0.784	0.896	0.937	0.950		0.966	0.830	0.800	0.908	0.922	0.920

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Elm St

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	78	82	*	*	*	*	80
01:00	*	41	48	*	*	*	*	44
02:00	*	19	24	*	*	*	*	22
03:00	*	18	20	*	*	*	*	19
04:00	*	44	34	*	*	*	*	39
05:00	*	130	149	*	*	*	*	140
06:00	*	439	401	*	*	*	*	420
07:00	*	949	873	*	*	*	*	911
08:00	*	920	921	*	*	*	*	920
09:00	*	775	770	*	*	*	*	772
10:00	*	703	761	*	*	*	*	732
11:00	*	735	693	*	*	*	*	714
12:00 PM	*	787	724	*	*	*	*	756
01:00	*	784	740	*	*	*	*	762
02:00	*	951	874	*	*	*	*	912
03:00	*	1017	1007	*	*	*	*	1012
04:00	*	1056	1053	*	*	*	*	1054
05:00	*	1155	1031	*	*	*	*	1093
06:00	*	956	967	*	*	*	*	962
07:00	*	760	696	*	*	*	*	728
08:00	*	529	508	*	*	*	*	518
09:00	*	365	395	*	*	*	*	380
10:00	*	245	243	*	*	*	*	244
11:00	*	156	141	*	*	*	*	148
Total	0	13612	13155	0	0	0	0	13382
Percentage	0.0%	101.7%	98.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	08:00					08:00
Vol.		949	921					920
PM Peak		17:00	16:00					17:00
Vol.		1155	1053					1093

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

EB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	2	0	3	8	9	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	
01:00	0	0	0	3	7	5	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	
02:00	0	1	0	1	3	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
03:00	0	0	0	0	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
04:00	0	0	0	1	5	8	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
05:00	0	0	0	7	35	37	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92	
06:00	2	1	2	4	88	122	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230	
07:00	11	3	15	47	198	142	24	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444	
08:00	20	1	6	65	228	193	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	535	
09:00	15	3	12	36	182	183	28	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	463	
10:00	14	2	5	50	184	159	21	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	437	
11:00	12	0	4	38	159	116	21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	352	
12 PM	14	1	7	25	165	135	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	368	
13:00	13	1	3	35	166	128	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	356	
14:00	14	0	18	80	221	141	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	488	
15:00	20	1	14	82	212	142	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	484	
16:00	29	1	6	36	236	144	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	474	
17:00	24	0	7	30	222	171	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	469	
18:00	21	3	6	51	226	163	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	485	
19:00	11	2	5	48	156	93	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	330	
20:00	2	1	3	31	108	82	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240	
21:00	2	3	1	7	74	58	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	
22:00	2	0	2	5	44	37	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	97	
23:00	0	0	2	1	16	23	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	
Total	226	26	118	686	2947	2300	305	34	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6647	
Grand Total	540	70	212	1512	6134	4410	594	52	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13532	

15th Percentile : 29 MPH
50th Percentile : 34 MPH
85th Percentile : 39 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 10544
Percent in Pace : 77.9%
Number of Vehicles > 35 MPH : 5064
Percent of Vehicles > 35 MPH : 37.4%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Elm St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	2	3	13	24	4	2	0	0	0	0	0	0	48
01:00	0	0	0	4	6	11	3	0	0	0	0	0	0	0	24
02:00	2	0	0	2	6	3	0	0	0	0	0	0	0	0	13
03:00	0	0	1	0	3	6	1	0	0	0	0	0	0	0	11
04:00	0	0	0	2	6	15	1	0	0	0	0	0	0	0	24
05:00	3	0	0	2	10	24	8	1	0	0	0	0	0	0	48
06:00	6	1	0	20	84	61	12	0	0	0	0	0	0	0	184
07:00	25	6	5	51	231	140	9	0	0	0	0	0	0	0	467
08:00	37	3	6	47	197	90	7	0	0	0	0	0	0	0	387
09:00	20	0	8	49	139	92	14	0	0	0	0	0	0	0	322
10:00	16	0	4	39	138	100	22	0	0	0	0	0	0	0	319
11:00	19	0	7	40	169	93	16	1	0	0	0	0	0	0	345
12 PM	15	8	6	30	149	135	17	1	0	0	0	0	0	0	361
13:00	23	2	4	49	188	106	9	0	0	0	0	0	0	0	381
14:00	23	0	7	55	218	134	13	1	0	0	0	0	0	0	451
15:00	30	7	27	106	278	91	9	0	0	0	0	0	0	0	548
16:00	43	2	5	51	244	165	18	1	0	0	0	0	0	0	529
17:00	46	6	18	54	310	154	12	0	0	0	0	0	0	0	600
18:00	45	1	1	47	234	164	5	1	0	0	0	0	0	0	498
19:00	18	2	6	47	178	122	10	0	0	0	0	0	0	0	383
20:00	13	1	5	39	175	75	6	0	0	0	0	0	0	0	314
21:00	5	2	5	21	128	66	8	1	0	0	0	0	0	0	236
22:00	1	0	3	18	63	51	4	1	0	0	0	0	0	0	141
23:00	0	0	2	1	41	38	11	0	0	0	0	0	0	0	93
Total	390	41	122	777	3208	1960	219	10	0	0	0	0	0	0	6727

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/15/10	0	0	0	3	25	17	4	4	0	0	0	0	0	0	53
01:00	0	0	2	4	11	9	1	0	0	0	0	0	0	0	27
02:00	0	0	1	2	1	6	2	0	0	0	0	0	0	0	12
03:00	1	0	0	1	2	4	0	1	0	0	0	0	0	0	9
04:00	0	0	0	2	6	5	2	0	0	0	0	0	0	0	15
05:00	0	0	0	6	18	29	3	1	0	0	0	0	0	0	57
06:00	6	0	0	8	88	61	8	0	0	0	0	0	0	0	171
07:00	19	5	2	34	208	137	22	2	0	0	0	0	0	0	429
08:00	23	2	12	44	188	105	12	0	0	0	0	0	0	0	386
09:00	15	0	10	22	143	100	16	1	0	0	0	0	0	0	307
10:00	22	4	19	27	103	136	12	1	0	0	0	0	0	0	324
11:00	15	0	4	33	159	115	14	1	0	0	0	0	0	0	341
12 PM	30	0	4	36	140	127	17	2	0	0	0	0	0	0	356
13:00	16	1	1	24	185	138	18	1	0	0	0	0	0	0	384
14:00	22	6	10	38	142	148	20	0	0	0	0	0	0	0	386
15:00	39	5	29	82	228	122	18	0	0	0	0	0	0	0	523
16:00	18	0	2	56	276	206	21	0	0	0	0	0	0	0	579
17:00	29	5	8	59	270	174	17	0	0	0	0	0	0	0	562
18:00	25	0	7	62	217	154	17	0	0	0	0	0	0	0	482
19:00	14	2	5	47	194	94	10	0	0	0	0	0	0	0	366
20:00	5	1	4	30	145	78	5	0	0	0	0	0	0	0	268
21:00	0	1	4	20	126	80	5	0	0	0	0	0	0	0	236
22:00	1	2	2	7	70	55	9	0	0	0	0	0	0	0	146
23:00	0	0	3	8	39	32	6	0	0	1	0	0	0	0	89
Total	300	34	129	655	2984	2132	259	14	0	1	0	0	0	0	6508
Grand Total	690	75	251	1432	6192	4092	478	24	0	1	0	0	0	0	13235

15th Percentile : 29 MPH
50th Percentile : 34 MPH
85th Percentile : 39 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 10284
Percent in Pace : 77.7%
Number of Vehicles > 35 MPH : 4595
Percent of Vehicles > 35 MPH : 34.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

EB, WB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	2	8	19	38	8	3	0	0	0	0	0	0	78
01:00	0	0	0	5	13	18	5	0	0	0	0	0	0	0	41
02:00	2	0	0	4	7	4	2	0	0	0	0	0	0	0	19
03:00	0	0	1	0	4	10	2	1	0	0	0	0	0	0	18
04:00	0	0	1	2	12	21	8	0	0	0	0	0	0	0	44
05:00	3	1	1	5	34	70	14	2	0	0	0	0	0	0	130
06:00	13	2	1	36	180	170	35	2	0	0	0	0	0	0	439
07:00	43	7	8	108	458	291	31	3	0	0	0	0	0	0	949
08:00	62	19	22	126	429	238	24	0	0	0	0	0	0	0	920
09:00	34	3	15	83	327	268	44	1	0	0	0	0	0	0	775
10:00	28	3	11	78	312	236	35	0	0	0	0	0	0	0	703
11:00	44	1	10	76	357	209	36	2	0	0	0	0	0	0	735
12 PM	29	9	9	80	357	271	30	2	0	0	0	0	0	0	787
13:00	35	4	12	87	376	243	27	0	0	0	0	0	0	0	784
14:00	42	0	12	136	465	270	25	1	0	0	0	0	0	0	951
15:00	60	8	33	190	514	184	27	1	0	0	0	0	0	0	1017
16:00	81	3	21	113	509	303	24	2	0	0	0	0	0	0	1056
17:00	92	8	21	149	564	296	25	0	0	0	0	0	0	0	1155
18:00	76	3	3	96	463	295	18	1	0	1	0	0	0	0	956
19:00	26	10	7	103	373	220	21	0	0	0	0	0	0	0	760
20:00	23	1	15	55	278	139	17	0	1	0	0	0	0	0	529
21:00	8	2	5	32	190	108	17	2	1	0	0	0	0	0	365
22:00	2	0	4	28	94	100	15	2	0	0	0	0	0	0	245
23:00	1	1	2	3	60	68	18	3	0	0	0	0	0	0	156
Total	704	85	216	1603	6395	4070	508	28	2	1	0	0	0	0	13612

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

EB, WB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	2	0	6	33	26	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	
01:00	0	0	2	7	18	14	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	
02:00	0	1	1	3	4	10	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	
03:00	1	0	0	1	6	9	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
04:00	0	0	0	3	11	13	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
05:00	0	0	0	13	53	66	13	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	
06:00	8	1	2	12	176	183	17	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	401	
07:00	30	8	17	81	406	279	46	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	873	
08:00	43	3	18	109	416	298	33	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	921	
09:00	30	3	22	58	325	283	44	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	770	
10:00	36	6	24	77	287	295	33	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	761	
11:00	27	0	8	71	318	231	35	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	693	
12 PM	44	1	11	61	305	262	38	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	724	
13:00	29	2	4	59	351	266	27	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	740	
14:00	36	6	28	118	363	289	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	874	
15:00	59	6	43	164	440	264	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1007	
16:00	47	1	8	92	512	350	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1053	
17:00	53	5	15	89	492	345	31	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1031	
18:00	46	3	13	113	443	317	31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	967	
19:00	25	4	10	95	350	187	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	696	
20:00	7	2	7	61	253	160	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	508	
21:00	2	4	5	27	200	138	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	395	
22:00	3	2	4	12	114	92	13	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	243	
23:00	0	0	5	9	55	55	15	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	
Total	526	60	247	1341	5931	4432	564	48	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13155	
Grand Total	1230	145	463	2944	12326	8502	1072	76	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26767	

15th Percentile : 29 MPH
50th Percentile : 34 MPH
85th Percentile : 39 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 33 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 20828
Percent in Pace : 77.8%
Number of Vehicles > 35 MPH : 9659
Percent of Vehicles > 35 MPH : 36.1%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	25	3	0	2	0	0	0	0	0	0	0	0	30
01:00	0	12	5	0	0	0	0	0	0	0	0	0	0	17
02:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6
03:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7
04:00	0	13	4	0	3	0	0	0	0	0	0	0	0	20
05:00	2	57	17	1	3	2	0	0	0	0	0	0	0	82
06:00	1	148	87	7	6	4	0	0	0	0	0	0	0	253
07:00	5	337	113	10	15	1	0	0	1	0	0	0	0	482
08:00	0	371	116	14	17	6	0	1	7	0	0	0	0	532
09:00	6	321	102	1	15	4	0	2	1	0	0	0	0	452
10:00	3	264	90	3	15	3	1	0	3	0	0	0	0	382
11:00	3	271	85	2	16	7	1	1	3	1	0	0	0	390
12 PM	7	306	98	1	8	3	0	1	0	1	0	0	0	425
13:00	9	279	91	4	13	3	0	2	0	0	0	0	0	401
14:00	6	361	102	15	7	6	0	1	0	0	0	0	0	498
15:00	4	342	98	1	15	5	0	1	2	0	0	0	0	468
16:00	6	375	117	1	16	3	0	7	0	0	0	0	0	525
17:00	7	410	116	0	14	2	0	5	0	0	0	0	0	554
18:00	11	329	102	0	11	1	0	2	1	0	0	0	0	457
19:00	7	270	86	1	9	2	0	2	0	0	0	0	0	377
20:00	2	157	51	0	3	1	0	0	0	0	0	0	0	214
21:00	1	107	16	0	4	0	0	0	0	0	0	0	0	128
22:00	0	78	20	0	5	0	0	0	1	0	0	0	0	104
23:00	0	51	11	0	1	0	0	0	0	0	0	0	0	63
Total	80	4893	1534	61	198	53	2	25	19	2	0	0	0	6867
Percent	1.2%	71.3%	22.3%	0.9%	2.9%	0.8%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	08:00	08:00	08:00	08:00	11:00	10:00	09:00	08:00	11:00				08:00
Vol.	6	371	116	14	17	7	1	2	7	1				532
PM Peak	18:00	17:00	16:00	14:00	16:00	14:00		16:00	15:00	12:00				17:00
Vol.	11	410	117	15	16	6		7	2	1				554

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Elm St

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	24	4	0	1	0	0	0	0	0	0	0	0	29
01:00	0	14	7	0	0	0	0	0	0	0	0	0	0	21
02:00	0	5	7	0	0	0	0	0	0	0	0	0	0	12
03:00	0	5	5	0	1	0	0	0	0	0	0	0	0	11
04:00	0	9	9	0	1	0	0	0	0	0	0	0	0	19
05:00	0	62	24	1	5	0	0	0	0	0	0	0	0	92
06:00	1	147	68	7	4	2	0	0	0	0	0	0	0	229
07:00	5	298	116	11	8	1	0	1	3	0	0	0	0	443
08:00	2	366	126	11	18	5	0	3	3	0	0	0	0	534
09:00	6	327	104	3	15	5	0	0	2	0	0	0	0	462
10:00	1	314	99	2	12	3	0	1	3	0	0	0	0	435
11:00	1	247	78	7	10	4	0	2	2	0	0	0	0	351
12 PM	4	252	90	2	9	4	2	2	2	0	0	0	0	367
13:00	5	232	88	1	22	3	0	1	4	0	0	0	0	356
14:00	5	340	104	17	16	2	0	2	2	0	0	0	0	488
15:00	6	343	109	1	15	5	1	2	1	0	0	0	0	483
16:00	4	336	117	1	10	2	0	1	1	0	0	0	0	472
17:00	3	344	104	2	9	2	0	2	0	0	0	0	0	466
18:00	5	349	114	1	12	3	0	0	0	0	0	0	0	484
19:00	5	231	82	0	9	0	0	1	1	0	0	0	0	329
20:00	0	191	46	0	2	1	0	0	0	0	0	0	0	240
21:00	1	129	27	0	2	0	0	0	0	0	0	0	0	159
22:00	1	81	14	0	1	0	0	0	0	0	0	0	0	97
23:00	0	37	13	0	2	0	0	0	0	0	0	0	0	52
Total	55	4683	1555	67	184	42	3	18	24	0	0	0	0	6631
Percent	0.8%	70.6%	23.5%	1.0%	2.8%	0.6%	0.0%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	08:00	08:00	07:00	08:00	08:00		08:00	07:00					08:00
Vol.	6	366	126	11	18	5		3	3					534
PM Peak	15:00	18:00	16:00	14:00	13:00	15:00	12:00	12:00	13:00					14:00
Vol.	6	349	117	17	22	5	2	2	4					488
Grand Total	135	9576	3089	128	382	95	5	43	43	2	0	0	0	13498
Percent	1.0%	70.9%	22.9%	0.9%	2.8%	0.7%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	38	9	0	1	0	0	0	0	0	0	0	0	48
	01:00	0	20	4	0	0	0	0	0	0	0	0	0	0	24
	02:00	0	11	1	0	1	0	0	0	0	0	0	0	0	13
	03:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11
	04:00	1	15	5	1	1	1	0	0	0	0	0	0	0	24
	05:00	0	32	14	0	2	0	0	0	0	0	0	0	0	48
	06:00	3	115	49	1	7	4	0	2	1	0	0	0	0	182
	07:00	6	323	105	6	14	4	0	7	0	0	0	0	0	465
	08:00	3	255	87	19	13	5	0	1	2	0	0	0	0	385
	09:00	2	206	94	1	14	3	0	0	1	0	0	0	0	321
	10:00	3	213	72	2	15	7	0	3	2	0	0	0	0	317
	11:00	4	228	96	2	9	0	0	3	2	1	0	0	0	345
	12 PM	4	259	80	3	9	3	0	1	2	0	0	0	0	361
	13:00	1	270	94	2	9	2	0	0	1	0	0	0	0	379
	14:00	3	326	111	0	7	2	0	0	0	0	0	0	0	449
	15:00	6	366	129	18	16	10	0	2	0	0	0	0	0	547
	16:00	5	385	119	1	10	4	0	1	1	0	0	0	0	526
	17:00	9	448	126	1	10	3	0	2	0	0	0	0	0	599
	18:00	3	370	109	1	10	2	0	0	1	0	0	0	0	496
	19:00	8	280	84	0	10	1	0	0	0	0	0	0	0	383
	20:00	1	245	64	0	2	1	0	0	0	0	0	0	0	313
	21:00	2	185	44	0	2	1	0	0	0	0	0	0	0	234
	22:00	1	109	25	0	4	0	0	2	0	0	0	0	0	141
	23:00	1	73	17	1	0	0	0	1	0	0	0	0	0	93
	Total	66	4779	1542	59	166	53	0	25	13	1	0	0	0	6704
	Percent	1.0%	71.3%	23.0%	0.9%	2.5%	0.8%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	07:00	07:00	08:00	10:00	10:00		07:00	08:00	11:00				07:00
	Vol.	6	323	105	19	15	7		7	2	1				465
	PM Peak	17:00	17:00	15:00	15:00	15:00	15:00		15:00	12:00					17:00
	Vol.	9	448	129	18	16	10		2	2					599

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	2	41	8	0	2	0	0	0	0	0	0	0	0	53
	01:00	0	22	5	0	0	0	0	0	0	0	0	0	0	27
	02:00	0	7	4	0	0	1	0	0	0	0	0	0	0	12
	03:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
	04:00	0	9	5	1	0	0	0	0	0	0	0	0	0	15
	05:00	0	35	16	0	4	2	0	0	0	0	0	0	0	57
	06:00	3	115	47	1	2	1	0	1	0	0	0	0	0	170
	07:00	4	305	87	6	20	4	0	1	1	0	0	0	0	428
	08:00	2	250	94	23	11	2	0	3	1	0	0	0	0	386
	09:00	1	210	74	0	15	3	0	1	2	0	0	0	0	306
	10:00	3	208	88	0	14	8	0	3	0	0	0	0	0	324
	11:00	3	225	80	10	15	3	0	3	2	0	0	0	0	341
	12 PM	4	245	87	2	9	3	0	1	3	0	0	0	0	354
	13:00	3	272	91	5	9	1	0	1	2	0	0	0	0	384
	14:00	2	271	90	3	12	5	0	1	1	0	0	0	0	385
	15:00	6	367	117	11	13	2	0	2	3	0	0	0	0	521
	16:00	8	402	147	2	16	2	0	2	0	0	0	0	0	579
	17:00	7	426	114	0	11	1	0	3	0	0	0	0	0	562
	18:00	4	346	118	1	7	3	0	0	1	0	0	0	0	480
	19:00	9	264	87	0	3	1	0	1	0	0	0	0	0	365
	20:00	0	207	54	0	4	0	0	2	0	0	0	0	0	267
	21:00	2	181	47	0	4	0	0	2	0	0	0	0	0	236
	22:00	0	116	28	0	2	0	0	0	0	0	0	0	0	146
	23:00	0	68	18	0	3	0	0	0	0	0	0	0	0	89
	Total	63	4598	1509	65	176	42	0	27	16	0	0	0	0	6496
	Percent	1.0%	70.8%	23.2%	1.0%	2.7%	0.6%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	07:00	08:00	08:00	07:00	10:00		08:00	09:00					07:00
	Vol.	4	305	94	23	20	8		3	2					428
	PM Peak	19:00	17:00	16:00	15:00	16:00	14:00		17:00	12:00					16:00
	Vol.	9	426	147	11	16	5		3	3					579
	Grand Total	129	9377	3051	124	342	95	0	52	29	1	0	0	0	13200
	Percent	1.0%	71.0%	23.1%	0.9%	2.6%	0.7%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Elm St

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	63	12	0	3	0	0	0	0	0	0	0	0	78
01:00	0	32	9	0	0	0	0	0	0	0	0	0	0	41
02:00	0	16	2	0	1	0	0	0	0	0	0	0	0	19
03:00	0	11	7	0	0	0	0	0	0	0	0	0	0	18
04:00	1	28	9	1	4	1	0	0	0	0	0	0	0	44
05:00	2	89	31	1	5	2	0	0	0	0	0	0	0	130
06:00	4	263	136	8	13	8	0	2	1	0	0	0	0	435
07:00	11	660	218	16	29	5	0	7	1	0	0	0	0	947
08:00	3	626	203	33	30	11	0	2	9	0	0	0	0	917
09:00	8	527	196	2	29	7	0	2	2	0	0	0	0	773
10:00	6	477	162	5	30	10	1	3	5	0	0	0	0	699
11:00	7	499	181	4	25	7	1	4	5	2	0	0	0	735
12 PM	11	565	178	4	17	6	0	2	2	1	0	0	0	786
13:00	10	549	185	6	22	5	0	2	1	0	0	0	0	780
14:00	9	687	213	15	14	8	0	1	0	0	0	0	0	947
15:00	10	708	227	19	31	15	0	3	2	0	0	0	0	1015
16:00	11	760	236	2	26	7	0	8	1	0	0	0	0	1051
17:00	16	858	242	1	24	5	0	7	0	0	0	0	0	1153
18:00	14	699	211	1	21	3	0	2	2	0	0	0	0	953
19:00	15	550	170	1	19	3	0	2	0	0	0	0	0	760
20:00	3	402	115	0	5	2	0	0	0	0	0	0	0	527
21:00	3	292	60	0	6	1	0	0	0	0	0	0	0	362
22:00	1	187	45	0	9	0	0	2	1	0	0	0	0	245
23:00	1	124	28	1	1	0	0	1	0	0	0	0	0	156
Total	146	9672	3076	120	364	106	2	50	32	3	0	0	0	13571
Percent	1.1%	71.3%	22.7%	0.9%	2.7%	0.8%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	08:00	08:00	08:00	10:00	07:00	08:00	11:00				07:00
Vol.	11	660	218	33	30	11	1	7	9	2				947
PM Peak	17:00	17:00	17:00	15:00	15:00	15:00		16:00	12:00	12:00				17:00
Vol.	16	858	242	19	31	15		8	2	1				1153

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Elm St

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	2	65	12	0	3	0	0	0	0	0	0	0	0	82
01:00	0	36	12	0	0	0	0	0	0	0	0	0	0	48
02:00	0	12	11	0	0	1	0	0	0	0	0	0	0	24
03:00	0	11	8	0	1	0	0	0	0	0	0	0	0	20
04:00	0	18	14	1	1	0	0	0	0	0	0	0	0	34
05:00	0	97	40	1	9	2	0	0	0	0	0	0	0	149
06:00	4	262	115	8	6	3	0	1	0	0	0	0	0	399
07:00	9	603	203	17	28	5	0	2	4	0	0	0	0	871
08:00	4	616	220	34	29	7	0	6	4	0	0	0	0	920
09:00	7	537	178	3	30	8	0	1	4	0	0	0	0	768
10:00	4	522	187	2	26	11	0	4	3	0	0	0	0	759
11:00	4	472	158	17	25	7	0	5	4	0	0	0	0	692
12 PM	8	497	177	4	18	7	2	3	5	0	0	0	0	721
13:00	8	504	179	6	31	4	0	2	6	0	0	0	0	740
14:00	7	611	194	20	28	7	0	3	3	0	0	0	0	873
15:00	12	710	226	12	28	7	1	4	4	0	0	0	0	1004
16:00	12	738	264	3	26	4	0	3	1	0	0	0	0	1051
17:00	10	770	218	2	20	3	0	5	0	0	0	0	0	1028
18:00	9	695	232	2	19	6	0	0	1	0	0	0	0	964
19:00	14	495	169	0	12	1	0	2	1	0	0	0	0	694
20:00	0	398	100	0	6	1	0	2	0	0	0	0	0	507
21:00	3	310	74	0	6	0	0	2	0	0	0	0	0	395
22:00	1	197	42	0	3	0	0	0	0	0	0	0	0	243
23:00	0	105	31	0	5	0	0	0	0	0	0	0	0	141
Total	118	9281	3064	132	360	84	3	45	40	0	0	0	0	13127
Percent	0.9%	70.7%	23.3%	1.0%	2.7%	0.6%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	09:00	10:00		08:00	07:00					08:00
Vol.	9	616	220	34	30	11		6	4					920
PM Peak	19:00	17:00	16:00	14:00	13:00	12:00	12:00	17:00	13:00					16:00
Vol.	14	770	264	20	31	7	2	5	6					1051
Grand Total	264	18953	6140	252	724	190	5	95	72	3	0	0	0	26698
Percent	1.0%	71.0%	23.0%	0.9%	2.7%	0.7%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	31	45	31	48	*	*	*	*	*	*	*	*	31	46
01:00	*	*	18	24	20	26	*	*	*	*	*	*	*	*	19	25
02:00	*	*	5	12	12	10	*	*	*	*	*	*	*	*	8	11
03:00	*	*	7	8	8	9	*	*	*	*	*	*	*	*	8	8
04:00	*	*	17	23	16	16	*	*	*	*	*	*	*	*	16	20
05:00	*	*	79	41	75	47	*	*	*	*	*	*	*	*	77	44
06:00	*	*	225	163	210	148	*	*	*	*	*	*	*	*	218	156
07:00	*	*	427	393	399	349	*	*	*	*	*	*	*	*	413	371
08:00	*	*	499	368	510	363	*	*	*	*	*	*	*	*	504	366
09:00	*	*	417	292	423	289	*	*	*	*	*	*	*	*	420	290
10:00	*	*	377	306	411	291	*	*	*	*	*	*	*	*	394	298
11:00	*	*	364	307	338	302	*	*	*	*	*	*	*	*	351	304
12:00 PM	*	*	387	348	336	315	*	*	*	*	*	*	*	*	362	332
01:00	*	*	392	346	336	354	*	*	*	*	*	*	*	*	364	350
02:00	*	*	447	397	441	345	*	*	*	*	*	*	*	*	444	371
03:00	*	*	428	508	422	444	*	*	*	*	*	*	*	*	425	476
04:00	*	*	463	488	423	554	*	*	*	*	*	*	*	*	443	521
05:00	*	*	499	559	416	509	*	*	*	*	*	*	*	*	458	534
06:00	*	*	431	471	430	453	*	*	*	*	*	*	*	*	430	462
07:00	*	*	318	382	295	332	*	*	*	*	*	*	*	*	306	357
08:00	*	*	220	276	212	217	*	*	*	*	*	*	*	*	216	246
09:00	*	*	150	201	155	223	*	*	*	*	*	*	*	*	152	212
10:00	*	*	95	136	95	139	*	*	*	*	*	*	*	*	95	138
11:00	*	*	61	92	52	80	*	*	*	*	*	*	*	*	56	86
Total	0	0	6357	6186	6066	5863	0	0	0	0	0	0	0	0	6210	6024
Day	0		12543		11929		0		0		0		0		12234	
AM Peak			08:00	07:00	08:00	08:00									08:00	07:00
Vol.			499	393	510	363									504	371
PM Peak			17:00	17:00	14:00	16:00									17:00	17:00
Vol.			499	559	441	554									458	534

Comb. Total 0 12543 11929 0 0 0 0 12234

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

Start Time	14-Sep-10 Tue		EB		WB		Combined		15-Sep- Wed	EB		WB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	14	96	8	82	22	178	9	81	14	73	23	154			
12:15	3	93	14	87	17	180	9	100	5	92	14	192			
12:30	10	105	17	92	27	197	8	75	22	74	30	149			
12:45	4	93	6	87	10	180	5	80	7	76	12	156			
01:00	10	123	7	89	17	212	3	98	8	77	11	175			
01:15	3	86	8	83	11	169	10	83	7	93	17	176			
01:30	2	101	5	76	7	177	3	85	6	86	9	171			
01:45	3	82	4	98	7	180	4	70	5	98	9	168			
02:00	2	109	3	101	5	210	4	83	4	94	8	177			
02:15	0	83	3	94	3	177	0	98	2	86	2	184			
02:30	1	123	4	114	5	237	5	131	3	81	8	212			
02:45	2	132	2	88	4	220	3	129	1	84	4	213			
03:00	3	124	3	100	6	224	0	121	2	108	2	229			
03:15	1	107	1	142	2	249	0	94	1	121	1	215			
03:30	1	101	3	123	4	224	5	106	1	113	6	219			
03:45	2	96	1	143	3	239	3	101	5	102	8	203			
04:00	5	118	2	119	7	237	4	126	1	146	5	272			
04:15	1	117	7	115	8	232	4	82	3	128	7	210			
04:30	6	114	11	111	17	225	4	104	6	141	10	245			
04:45	5	114	3	143	8	257	4	111	6	139	10	250			
05:00	10	114	8	154	18	268	14	107	6	126	20	233			
05:15	10	129	11	119	21	248	11	110	16	123	27	233			
05:30	23	120	6	161	29	281	19	102	10	131	29	233			
05:45	36	136	16	125	52	261	31	97	15	129	46	226			
06:00	39	112	21	121	60	233	43	129	20	133	63	262			
06:15	42	114	29	130	71	244	31	104	26	115	57	219			
06:30	54	105	53	129	107	234	44	107	52	109	96	216			
06:45	90	100	60	91	150	191	92	90	50	96	142	186			
07:00	90	92	75	97	165	189	85	91	79	92	164	183			
07:15	90	78	110	104	200	182	76	85	98	86	174	171			
07:30	110	94	114	101	224	195	118	61	92	78	210	139			
07:45	137	54	94	80	231	134	120	58	80	76	200	134			
08:00	136	70	82	77	218	147	135	57	81	52	216	109			
08:15	106	60	89	72	195	132	130	54	78	58	208	112			
08:30	136	52	95	75	231	127	137	54	108	53	245	107			
08:45	121	38	102	52	223	90	108	47	96	54	204	101			
09:00	126	36	88	48	214	84	135	50	80	67	215	117			
09:15	103	47	83	53	186	100	87	41	70	54	157	95			
09:30	89	40	71	53	160	93	100	36	73	50	173	86			
09:45	99	27	50	47	149	74	101	28	66	52	167	80			
10:00	100	33	72	38	172	71	96	20	65	50	161	70			
10:15	100	24	72	36	172	60	109	23	80	38	189	61			
10:30	90	20	83	29	173	49	107	29	69	35	176	64			
10:45	87	18	79	33	166	51	99	23	77	16	176	39			
11:00	85	26	77	27	162	53	88	20	64	28	152	48			
11:15	92	11	68	29	160	40	84	8	74	22	158	30			
11:30	89	12	80	24	169	36	75	9	87	16	162	25			
11:45	98	12	82	12	180	24	91	15	77	14	168	29			
Total	2466	3891	1982	4204	4448	8095	2453	3613	1898	3965	4351	7578			
Day Total	6357		6186		12543		6066		5863		11929				
% Total	0.0%	19.7%	31.0%	15.8%	33.5%		20.6%	30.3%	15.9%	33.2%					
Peak	07:45	05:00	07:15	04:45	07:45	05:00	07:45	02:15	08:00	04:00	08:00	04:00			
Vol.	515	499	400	577	875	1058	522	479	363	554	873	977			
P.H.F.	0.940	0.917	0.877	0.896	0.947	0.941	0.953	0.914	0.840	0.949	0.891	0.898			

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	76	79	*	*	*	*	78
01:00	*	42	46	*	*	*	*	44
02:00	*	17	22	*	*	*	*	20
03:00	*	15	17	*	*	*	*	16
04:00	*	40	32	*	*	*	*	36
05:00	*	120	122	*	*	*	*	121
06:00	*	388	358	*	*	*	*	373
07:00	*	820	748	*	*	*	*	784
08:00	*	867	873	*	*	*	*	870
09:00	*	709	712	*	*	*	*	710
10:00	*	683	702	*	*	*	*	692
11:00	*	671	640	*	*	*	*	656
12:00 PM	*	735	651	*	*	*	*	693
01:00	*	738	690	*	*	*	*	714
02:00	*	844	786	*	*	*	*	815
03:00	*	936	866	*	*	*	*	901
04:00	*	951	977	*	*	*	*	964
05:00	*	1058	925	*	*	*	*	992
06:00	*	902	883	*	*	*	*	892
07:00	*	700	627	*	*	*	*	664
08:00	*	496	429	*	*	*	*	462
09:00	*	351	378	*	*	*	*	364
10:00	*	231	234	*	*	*	*	232
11:00	*	153	132	*	*	*	*	142
Total	0	12543	11929	0	0	0	0	12235
Percentage	0.0%	102.5%	97.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		867	873					870
PM Peak		17:00	16:00					17:00
Vol.		1058	977					992

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

EB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75			
9/14/10	0	0	0	0	11	10	9	1	0	0	0	0	0	0	0	31
01:00	0	0	0	1	2	9	5	1	0	0	0	0	0	0	0	18
02:00	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	1	3	3	0	0	0	0	0	0	0	0	7
04:00	0	0	0	0	6	3	5	3	0	0	0	0	0	0	0	17
05:00	3	0	0	1	20	39	14	2	0	0	0	0	0	0	0	79
06:00	2	0	0	3	58	117	37	8	0	0	0	0	0	0	0	225
07:00	12	0	1	8	127	220	51	7	1	0	0	0	0	0	0	427
08:00	22	22	5	39	140	219	49	3	0	0	0	0	0	0	0	499
09:00	14	0	0	14	96	222	62	8	1	0	0	0	0	0	0	417
10:00	15	0	6	22	95	179	55	5	0	0	0	0	0	0	0	377
11:00	13	0	4	25	173	127	19	3	0	0	0	0	0	0	0	364
12 PM	20	1	7	5	136	173	41	4	0	0	0	0	0	0	0	387
13:00	22	0	3	21	165	167	14	0	0	0	0	0	0	0	0	392
14:00	31	5	16	52	136	181	24	2	0	0	0	0	0	0	0	447
15:00	21	2	16	36	185	146	20	2	0	0	0	0	0	0	0	428
16:00	60	5	7	42	178	131	34	4	0	1	1	0	0	0	0	463
17:00	56	7	15	59	164	179	19	0	0	0	0	0	0	0	0	499
18:00	18	0	0	10	135	227	36	4	1	0	0	0	0	0	0	431
19:00	19	2	1	20	92	159	24	1	0	0	0	0	0	0	0	318
20:00	6	0	3	10	69	110	17	5	0	0	0	0	0	0	0	220
21:00	3	0	0	18	54	65	9	1	0	0	0	0	0	0	0	150
22:00	0	0	0	1	33	46	12	3	0	0	0	0	0	0	0	95
23:00	0	0	0	0	9	33	15	4	0	0	0	0	0	0	0	61
Total	337	44	84	388	2086	2766	576	71	3	1	1	0	0	0	0	6357

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

EB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75			
9/15/10	0	0	0	0	6	11	9	4	0	0	0	0	1	0	0	31
01:00	0	0	0	0	2	12	5	1	0	0	0	0	0	0	0	20
02:00	0	0	0	0	4	3	3	2	0	0	0	0	0	0	0	12
03:00	0	0	0	0	1	4	3	0	0	0	0	0	0	0	0	8
04:00	0	0	0	1	6	4	3	2	0	0	0	0	0	0	0	16
05:00	3	0	0	0	18	30	19	3	2	0	0	0	0	0	0	75
06:00	4	0	0	0	34	130	40	2	0	0	0	0	0	0	0	210
07:00	7	0	8	19	143	161	52	9	0	0	0	0	0	0	0	399
08:00	22	1	2	16	167	245	53	4	0	0	0	0	0	0	0	510
09:00	15	0	1	24	116	201	56	9	1	0	0	0	0	0	0	423
10:00	20	1	8	16	124	199	41	1	1	0	0	0	0	0	0	411
11:00	13	0	6	24	96	155	39	4	1	0	0	0	0	0	0	338
12 PM	22	0	0	8	50	196	57	3	0	0	0	0	0	0	0	336
13:00	18	0	2	5	99	169	41	2	0	0	0	0	0	0	0	336
14:00	16	0	2	41	150	193	39	0	0	0	0	0	0	0	0	441
15:00	27	0	4	9	132	200	46	4	0	0	0	0	0	0	0	422
16:00	33	1	7	8	164	180	26	4	0	0	0	0	0	0	0	423
17:00	30	0	5	16	91	226	46	2	0	0	0	0	0	0	0	416
18:00	28	1	0	5	108	245	39	4	0	0	0	0	0	0	0	430
19:00	17	0	2	15	97	139	22	2	1	0	0	0	0	0	0	295
20:00	9	0	1	8	76	95	22	1	0	0	0	0	0	0	0	212
21:00	4	0	0	3	47	87	11	2	0	1	0	0	0	0	0	155
22:00	0	0	0	4	28	49	13	1	0	0	0	0	0	0	0	95
23:00	0	0	0	0	7	32	9	3	0	0	1	0	0	0	0	52
Total	288	4	48	222	1766	2966	694	69	6	1	1	0	1	0	0	6066
Grand Total	625	48	132	610	3852	5732	1270	140	9	2	2	0	1	0	0	12423

15th Percentile : 31 MPH
50th Percentile : 36 MPH
85th Percentile : 40 MPH
95th Percentile : 44 MPH

Stats
Mean Speed(Average) : 35 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 9584
Percent in Pace : 77.1%
Number of Vehicles > 35 MPH : 7156
Percent of Vehicles > 35 MPH : 57.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	3	7	27	7	1	0	0	0	0	0	45
01:00	0	0	0	0	2	8	8	5	1	0	0	0	0	0	24
02:00	0	0	0	1	2	6	2	1	0	0	0	0	0	0	12
03:00	0	0	0	0	0	2	3	3	0	0	0	0	0	0	8
04:00	0	0	0	0	0	6	14	2	1	0	0	0	0	0	23
05:00	1	0	0	0	2	9	18	10	1	0	0	0	0	0	41
06:00	2	0	0	1	13	96	38	13	0	0	0	0	0	0	163
07:00	24	3	9	12	68	161	98	17	1	0	0	0	0	0	393
08:00	28	9	1	12	56	176	73	13	0	0	0	0	0	0	368
09:00	37	0	1	6	49	93	90	14	2	0	0	0	0	0	292
10:00	18	2	2	6	50	99	109	17	2	1	0	0	0	0	306
11:00	25	3	5	11	60	123	60	16	3	1	0	0	0	0	307
12 PM	31	5	4	12	55	140	86	14	1	0	0	0	0	0	348
13:00	18	1	6	14	74	149	73	10	1	0	0	0	0	0	346
14:00	23	6	5	13	80	180	81	8	1	0	0	0	0	0	397
15:00	29	4	10	40	156	179	78	10	2	0	0	0	0	0	508
16:00	42	4	3	19	104	216	89	11	0	0	0	0	0	0	488
17:00	40	0	4	34	158	225	88	10	0	0	0	0	0	0	559
18:00	26	1	2	14	89	205	112	20	2	0	0	0	0	0	471
19:00	19	1	4	24	73	157	93	10	1	0	0	0	0	0	382
20:00	8	1	1	12	45	132	70	6	1	0	0	0	0	0	276
21:00	7	0	1	4	23	83	69	14	0	0	0	0	0	0	201
22:00	0	0	0	3	18	74	32	7	2	0	0	0	0	0	136
23:00	0	0	0	0	3	38	40	11	0	0	0	0	0	0	92
Total	378	40	58	238	1183	2564	1451	249	23	2	0	0	0	0	6186

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

WB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
	15	20	25	30	35	40	45	50	55	60	65	70	75			
9/15/10	0	0	1	0	2	21	17	5	1	1	0	0	0	0	0	48
01:00	0	0	0	0	4	9	9	4	0	0	0	0	0	0	0	26
02:00	0	0	0	0	0	1	5	3	1	0	0	0	0	0	0	10
03:00	0	0	0	0	1	1	4	2	0	1	0	0	0	0	0	9
04:00	0	0	0	0	0	6	8	1	1	0	0	0	0	0	0	16
05:00	1	0	0	0	2	12	26	5	1	0	0	0	0	0	0	47
06:00	6	0	0	2	11	72	47	8	2	0	0	0	0	0	0	148
07:00	20	0	0	7	40	175	90	14	3	0	0	0	0	0	0	349
08:00	32	1	5	10	46	159	96	13	1	0	0	0	0	0	0	363
09:00	26	3	2	5	32	108	91	17	5	0	0	0	0	0	0	289
10:00	32	3	5	17	40	102	79	13	0	0	0	0	0	0	0	291
11:00	21	1	5	7	33	122	97	15	1	0	0	0	0	0	0	302
12 PM	16	0	4	10	40	140	92	10	3	0	0	0	0	0	0	315
13:00	22	0	2	4	52	141	114	17	2	0	0	0	0	0	0	354
14:00	23	0	3	5	45	150	93	25	1	0	0	0	0	0	0	345
15:00	19	2	8	24	85	174	115	14	3	0	0	0	0	0	0	444
16:00	27	2	3	14	87	279	132	8	2	0	0	0	0	0	0	554
17:00	31	0	1	8	105	248	107	7	2	0	0	0	0	0	0	509
18:00	20	5	8	22	81	195	107	15	0	0	0	0	0	0	0	453
19:00	12	1	0	5	60	165	82	6	1	0	0	0	0	0	0	332
20:00	5	0	1	3	41	96	62	8	1	0	0	0	0	0	0	217
21:00	3	0	0	5	31	112	68	4	0	0	0	0	0	0	0	223
22:00	1	0	0	1	20	71	37	9	0	0	0	0	0	0	0	139
23:00	1	0	0	0	6	30	36	4	2	0	0	1	0	0	0	80
Total	318	18	48	149	864	2589	1614	227	33	2	0	1	0	0	0	5863
Grand Total	696	58	106	387	2047	5153	3065	476	56	4	0	1	0	0	0	12049

15th Percentile : 32 MPH
50th Percentile : 38 MPH
85th Percentile : 43 MPH
95th Percentile : 45 MPH

Stats
Mean Speed(Average) : 37 MPH
10 MPH Pace Speed : 36-45 MPH
Number in Pace : 8218
Percent in Pace : 68.2%
Number of Vehicles > 35 MPH : 8755
Percent of Vehicles > 35 MPH : 72.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

EB, WB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	14	17	36	8	1	0	0	0	0	0	76
01:00	0	0	0	1	4	17	13	6	1	0	0	0	0	0	42
02:00	0	0	0	2	3	7	4	1	0	0	0	0	0	0	17
03:00	0	0	0	0	1	5	6	3	0	0	0	0	0	0	15
04:00	0	0	0	0	6	9	19	5	1	0	0	0	0	0	40
05:00	4	0	0	1	22	48	32	12	1	0	0	0	0	0	120
06:00	4	0	0	4	71	213	75	21	0	0	0	0	0	0	388
07:00	36	3	10	20	195	381	149	24	2	0	0	0	0	0	820
08:00	50	31	6	51	196	395	122	16	0	0	0	0	0	0	867
09:00	51	0	1	20	145	315	152	22	3	0	0	0	0	0	709
10:00	33	2	8	28	145	278	164	22	2	1	0	0	0	0	683
11:00	38	3	9	36	233	250	79	19	3	1	0	0	0	0	671
12 PM	51	6	11	17	191	313	127	18	1	0	0	0	0	0	735
13:00	40	1	9	35	239	316	87	10	1	0	0	0	0	0	738
14:00	54	11	21	65	216	361	105	10	1	0	0	0	0	0	844
15:00	50	6	26	76	341	325	98	12	2	0	0	0	0	0	936
16:00	102	9	10	61	282	347	123	15	0	1	1	0	0	0	951
17:00	96	7	19	93	322	404	107	10	0	0	0	0	0	0	1058
18:00	44	1	2	24	224	432	148	24	3	0	0	0	0	0	902
19:00	38	3	5	44	165	316	117	11	1	0	0	0	0	0	700
20:00	14	1	4	22	114	242	87	11	1	0	0	0	0	0	496
21:00	10	0	1	22	77	148	78	15	0	0	0	0	0	0	351
22:00	0	0	0	4	51	120	44	10	2	0	0	0	0	0	231
23:00	0	0	0	0	12	71	55	15	0	0	0	0	0	0	153
Total	715	84	142	626	3269	5330	2027	320	26	3	1	0	0	0	12543

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

EB, WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
9/15/10	0	0	1	0	8	32	26	9	1	1	0	0	1	0	79
01:00	0	0	0	0	6	21	14	5	0	0	0	0	0	0	46
02:00	0	0	0	0	4	4	8	5	1	0	0	0	0	0	22
03:00	0	0	0	0	2	5	7	2	0	1	0	0	0	0	17
04:00	0	0	0	1	6	10	11	3	1	0	0	0	0	0	32
05:00	4	0	0	0	20	42	45	8	3	0	0	0	0	0	122
06:00	10	0	0	2	45	202	87	10	2	0	0	0	0	0	358
07:00	27	0	8	26	183	336	142	23	3	0	0	0	0	0	748
08:00	54	2	7	26	213	404	149	17	1	0	0	0	0	0	873
09:00	41	3	3	29	148	309	147	26	6	0	0	0	0	0	712
10:00	52	4	13	33	164	301	120	14	1	0	0	0	0	0	702
11:00	34	1	11	31	129	277	136	19	2	0	0	0	0	0	640
12 PM	38	0	4	18	90	336	149	13	3	0	0	0	0	0	651
13:00	40	0	4	9	151	310	155	19	2	0	0	0	0	0	690
14:00	39	0	5	46	195	343	132	25	1	0	0	0	0	0	786
15:00	46	2	12	33	217	374	161	18	3	0	0	0	0	0	866
16:00	60	3	10	22	251	459	158	12	2	0	0	0	0	0	977
17:00	61	0	6	24	196	474	153	9	2	0	0	0	0	0	925
18:00	48	6	8	27	189	440	146	19	0	0	0	0	0	0	883
19:00	29	1	2	20	157	304	104	8	2	0	0	0	0	0	627
20:00	14	0	2	11	117	191	84	9	1	0	0	0	0	0	429
21:00	7	0	0	8	78	199	79	6	0	1	0	0	0	0	378
22:00	1	0	0	5	48	120	50	10	0	0	0	0	0	0	234
23:00	1	0	0	0	13	62	45	7	2	0	1	1	0	0	132
Total	606	22	96	371	2630	5555	2308	296	39	3	1	1	1	0	11929
Grand Total	1321	106	238	997	5899	10885	4335	616	65	6	2	1	1	0	24472

15th Percentile : 31 MPH
50th Percentile : 37 MPH
85th Percentile : 42 MPH
95th Percentile : 45 MPH

Stats
Mean Speed(Average) : 36 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 16784
Percent in Pace : 68.6%
Number of Vehicles > 35 MPH : 15911
Percent of Vehicles > 35 MPH : 65.0%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	26	4	0	1	0	0	0	0	0	0	0	0	31
01:00	0	12	5	0	1	0	0	0	0	0	0	0	0	18
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
03:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7
04:00	0	10	3	0	4	0	0	0	0	0	0	0	0	17
05:00	1	56	13	1	6	2	0	0	0	0	0	0	0	79
06:00	2	125	78	8	8	4	0	0	0	0	0	0	0	225
07:00	3	288	103	7	22	2	0	1	1	0	0	0	0	427
08:00	3	330	118	15	17	3	0	3	7	0	0	0	0	496
09:00	4	266	114	2	19	7	0	2	1	0	0	0	0	415
10:00	3	253	100	2	13	2	0	1	3	0	0	0	0	377
11:00	3	233	88	3	22	6	0	1	5	1	0	0	0	362
12 PM	5	263	99	0	12	3	0	1	1	1	0	0	0	385
13:00	7	252	100	5	15	5	0	4	0	0	0	0	0	388
14:00	4	291	113	15	12	10	0	1	0	0	0	0	0	446
15:00	1	306	92	1	15	8	0	2	2	0	0	0	0	427
16:00	9	305	111	1	22	5	1	5	1	0	0	0	0	460
17:00	5	354	104	1	26	4	0	5	0	0	0	0	0	499
18:00	9	281	118	0	16	1	0	4	0	0	0	0	0	429
19:00	4	212	83	1	13	0	0	3	1	0	0	0	0	317
20:00	4	156	54	0	6	0	0	0	0	0	0	0	0	220
21:00	4	122	19	0	4	1	0	0	0	0	0	0	0	150
22:00	0	70	20	0	3	0	0	1	1	0	0	0	0	95
23:00	0	49	11	0	1	0	0	0	0	0	0	0	0	61
Total	71	4268	1554	62	258	63	1	34	23	2	0	0	0	6336
Percent	1.1%	67.4%	24.5%	1.0%	4.1%	1.0%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	08:00	08:00	08:00	07:00	09:00		08:00	08:00	11:00				08:00
Vol.	4	330	118	15	22	7		3	7	1				496
PM Peak	16:00	17:00	18:00	14:00	17:00	14:00	16:00	16:00	15:00	12:00				17:00
Vol.	9	354	118	15	26	10	1	5	2	1				499

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Main St (106), west of Summer St (3A)

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	24	5	0	2	0	0	0	0	0	0	0	0	31
01:00	0	15	5	0	0	0	0	0	0	0	0	0	0	20
02:00	0	5	7	0	0	0	0	0	0	0	0	0	0	12
03:00	0	4	2	0	2	0	0	0	0	0	0	0	0	8
04:00	0	9	5	0	2	0	0	0	0	0	0	0	0	16
05:00	0	52	17	2	4	0	0	0	0	0	0	0	0	75
06:00	1	130	63	7	7	0	0	0	1	0	0	0	0	209
07:00	4	265	102	9	15	2	0	1	1	0	0	0	0	399
08:00	1	322	134	12	28	6	0	4	2	0	0	0	0	509
09:00	4	273	118	3	18	2	0	0	3	0	0	0	0	421
10:00	0	276	106	2	21	1	0	1	2	0	0	0	0	409
11:00	2	226	86	8	12	0	0	1	2	0	0	0	0	337
12 PM	2	222	90	1	15	2	1	1	1	0	0	0	0	335
13:00	3	214	89	1	18	2	1	1	4	0	0	0	0	333
14:00	2	281	116	20	15	2	0	2	2	0	0	0	0	440
15:00	5	281	112	1	16	5	0	2	0	0	0	0	0	422
16:00	8	276	110	1	18	1	0	5	2	0	0	0	0	421
17:00	4	285	102	1	15	4	0	3	0	0	0	0	0	414
18:00	6	291	109	2	16	4	0	0	0	0	0	0	0	428
19:00	2	201	72	0	16	1	0	0	1	0	0	0	0	293
20:00	0	154	50	0	5	2	0	1	0	0	0	0	0	212
21:00	1	121	31	0	2	0	0	0	0	0	0	0	0	155
22:00	1	72	19	0	3	0	0	0	0	0	0	0	0	95
23:00	0	38	12	0	2	0	0	0	0	0	0	0	0	52
Total	46	4037	1562	70	252	34	2	22	21	0	0	0	0	6046
Percent	0.8%	66.8%	25.8%	1.2%	4.2%	0.6%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	08:00	08:00		08:00	09:00					08:00
Vol.	4	322	134	12	28	6		4	3					509
PM Peak	16:00	18:00	14:00	14:00	13:00	15:00	12:00	16:00	13:00					14:00
Vol.	8	291	116	20	18	5	1	5	4					440
Grand Total	117	8305	3116	132	510	97	3	56	44	2	0	0	0	12382
Percent	0.9%	67.1%	25.2%	1.1%	4.1%	0.8%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	26	12	0	7	0	0	0	0	0	0	0	0	45
	01:00	0	17	5	0	2	0	0	0	0	0	0	0	0	24
	02:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12
	03:00	0	2	5	0	1	0	0	0	0	0	0	0	0	8
	04:00	1	9	6	1	5	1	0	0	0	0	0	0	0	23
	05:00	0	23	14	0	3	0	0	1	0	0	0	0	0	41
	06:00	2	76	45	2	27	5	0	5	1	0	0	0	0	163
	07:00	6	207	112	7	49	2	0	8	1	0	0	0	0	392
	08:00	4	189	94	21	51	1	0	4	2	0	0	0	0	366
	09:00	1	133	96	2	52	2	0	3	2	0	0	0	0	291
	10:00	6	134	106	6	46	3	0	1	3	0	0	0	0	305
	11:00	4	135	114	2	42	1	0	5	2	1	0	0	0	306
	12 PM	3	174	127	2	34	5	0	2	1	0	0	0	0	348
	13:00	1	167	130	1	42	0	0	2	2	0	0	0	0	345
	14:00	1	186	156	1	45	5	0	1	0	0	0	0	0	395
	15:00	5	241	168	19	63	5	0	5	0	0	0	0	0	506
	16:00	5	222	192	1	59	5	0	3	1	0	0	0	0	488
	17:00	6	295	190	1	61	2	0	3	0	0	0	0	0	558
	18:00	4	240	177	1	45	0	0	2	1	0	0	0	0	470
	19:00	7	214	114	0	46	0	0	1	0	0	0	0	0	382
	20:00	1	144	97	0	32	1	0	0	0	0	0	0	0	275
	21:00	1	118	60	0	21	1	0	0	0	0	0	0	0	201
	22:00	1	76	47	0	12	0	0	0	0	0	0	0	0	136
	23:00	1	49	28	1	11	0	0	2	0	0	0	0	0	92
	Total	60	3086	2098	68	756	39	0	48	16	1	0	0	0	6172
	Percent	1.0%	50.0%	34.0%	1.1%	12.2%	0.6%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	07:00	11:00	08:00	09:00	06:00		07:00	10:00	11:00				07:00
	Vol.	6	207	114	21	52	5		8	3	1				392
	PM Peak	19:00	17:00	16:00	15:00	15:00	12:00		15:00	13:00					17:00
	Vol.	7	295	192	19	63	5		5	2					558

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	2	24	15	0	7	0	0	0	0	0	0	0	0	48
	01:00	0	18	8	0	0	0	0	0	0	0	0	0	0	26
	02:00	0	5	5	0	0	0	0	0	0	0	0	0	0	10
	03:00	0	3	5	0	1	0	0	0	0	0	0	0	0	9
	04:00	0	7	5	1	3	0	0	0	0	0	0	0	0	16
	05:00	0	18	19	1	8	0	0	1	0	0	0	0	0	47
	06:00	4	72	46	1	20	2	0	2	0	0	0	0	0	147
	07:00	3	184	94	7	53	4	0	1	1	0	0	0	0	347
	08:00	5	160	132	23	37	2	0	3	1	0	0	0	0	363
	09:00	4	142	97	0	41	0	0	2	2	0	0	0	0	288
	10:00	2	130	102	3	43	3	1	4	1	0	0	0	0	289
	11:00	3	130	111	8	44	1	0	4	1	0	0	0	0	302
	12 PM	4	150	110	2	40	5	0	1	0	0	0	0	0	312
	13:00	6	162	130	6	46	0	0	0	2	0	0	0	0	352
	14:00	1	160	134	3	41	4	0	1	1	0	0	0	0	345
	15:00	3	231	134	13	49	4	0	8	1	1	0	0	0	444
	16:00	8	262	203	3	70	6	0	2	0	0	0	0	0	554
	17:00	4	273	167	1	56	2	0	5	0	0	0	0	0	508
	18:00	7	242	147	3	49	1	0	0	1	0	0	0	0	450
	19:00	5	164	124	0	34	0	0	3	0	0	0	0	0	330
	20:00	0	115	79	0	22	0	0	1	0	0	0	0	0	217
	21:00	1	118	85	0	18	0	0	1	0	0	0	0	0	223
	22:00	0	78	50	0	10	0	0	1	0	0	0	0	0	139
	23:00	0	39	29	0	12	0	0	0	0	0	0	0	0	80
	Total	62	2887	2031	75	704	34	1	40	11	1	0	0	0	5846
	Percent	1.1%	49.4%	34.7%	1.3%	12.0%	0.6%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	08:00	07:00	08:00	08:00	07:00	07:00	10:00	10:00	09:00					08:00
	Vol.	5	184	132	23	53	4	1	4	2					363
	PM Peak	16:00	17:00	16:00	15:00	16:00	16:00	15:00	13:00	15:00					16:00
	Vol.	8	273	203	13	70	6	8	2	1					554
	Grand Total	122	5973	4129	143	1460	73	1	88	27	2	0	0	0	12018
	Percent	1.0%	49.7%	34.4%	1.2%	12.1%	0.6%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/14/10	0	52	16	0	8	0	0	0	0	0	0	0	0	76
01:00	0	29	10	0	3	0	0	0	0	0	0	0	0	42
02:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
03:00	0	6	8	0	1	0	0	0	0	0	0	0	0	15
04:00	1	19	9	1	9	1	0	0	0	0	0	0	0	40
05:00	1	79	27	1	9	2	0	1	0	0	0	0	0	120
06:00	4	201	123	10	35	9	0	5	1	0	0	0	0	388
07:00	9	495	215	14	71	4	0	9	2	0	0	0	0	819
08:00	7	519	212	36	68	4	0	7	9	0	0	0	0	862
09:00	5	399	210	4	71	9	0	5	3	0	0	0	0	706
10:00	9	387	206	8	59	5	0	2	6	0	0	0	0	682
11:00	7	368	202	5	64	7	0	6	7	2	0	0	0	668
12 PM	8	437	226	2	46	8	0	3	2	1	0	0	0	733
13:00	8	419	230	6	57	5	0	6	2	0	0	0	0	733
14:00	5	477	269	16	57	15	0	2	0	0	0	0	0	841
15:00	6	547	260	20	78	13	0	7	2	0	0	0	0	933
16:00	14	527	303	2	81	10	1	8	2	0	0	0	0	948
17:00	11	649	294	2	87	6	0	8	0	0	0	0	0	1057
18:00	13	521	295	1	61	1	0	6	1	0	0	0	0	899
19:00	11	426	197	1	59	0	0	4	1	0	0	0	0	699
20:00	5	300	151	0	38	1	0	0	0	0	0	0	0	495
21:00	5	240	79	0	25	2	0	0	0	0	0	0	0	351
22:00	1	146	67	0	15	0	0	1	1	0	0	0	0	231
23:00	1	98	39	1	12	0	0	2	0	0	0	0	0	153
Total	131	7354	3652	130	1014	102	1	82	39	3	0	0	0	12508
Percent	1.0%	58.8%	29.2%	1.0%	8.1%	0.8%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	07:00	08:00	07:00	06:00		07:00	08:00	11:00				08:00
Vol.	9	519	215	36	71	9		9	9	2				862
PM Peak	16:00	17:00	16:00	15:00	17:00	14:00	16:00	16:00	12:00	12:00				17:00
Vol.	14	649	303	20	87	15	1	8	2	1				1057

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Main St (106), west of Summer St (3A)

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	2	48	20	0	9	0	0	0	0	0	0	0	0	79
01:00	0	33	13	0	0	0	0	0	0	0	0	0	0	46
02:00	0	10	12	0	0	0	0	0	0	0	0	0	0	22
03:00	0	7	7	0	3	0	0	0	0	0	0	0	0	17
04:00	0	16	10	1	5	0	0	0	0	0	0	0	0	32
05:00	0	70	36	3	12	0	0	1	0	0	0	0	0	122
06:00	5	202	109	8	27	2	0	2	1	0	0	0	0	356
07:00	7	449	196	16	68	6	0	2	2	0	0	0	0	746
08:00	6	482	266	35	65	8	0	7	3	0	0	0	0	872
09:00	8	415	215	3	59	2	0	2	5	0	0	0	0	709
10:00	2	406	208	5	64	4	1	5	3	0	0	0	0	698
11:00	5	356	197	16	56	1	0	5	3	0	0	0	0	639
12 PM	6	372	200	3	55	7	1	2	1	0	0	0	0	647
13:00	9	376	219	7	64	2	1	1	6	0	0	0	0	685
14:00	3	441	250	23	56	6	0	3	3	0	0	0	0	785
15:00	8	512	246	14	65	9	0	10	1	1	0	0	0	866
16:00	16	538	313	4	88	7	0	7	2	0	0	0	0	975
17:00	8	558	269	2	71	6	0	8	0	0	0	0	0	922
18:00	13	533	256	5	65	5	0	0	1	0	0	0	0	878
19:00	7	365	196	0	50	1	0	3	1	0	0	0	0	623
20:00	0	269	129	0	27	2	0	2	0	0	0	0	0	429
21:00	2	239	116	0	20	0	0	1	0	0	0	0	0	378
22:00	1	150	69	0	13	0	0	1	0	0	0	0	0	234
23:00	0	77	41	0	14	0	0	0	0	0	0	0	0	132
Total	108	6924	3593	145	956	68	3	62	32	1	0	0	0	11892
Percent	0.9%	58.2%	30.2%	1.2%	8.0%	0.6%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	08:00	08:00	08:00	07:00	08:00	10:00	08:00	09:00					08:00
Vol.	8	482	266	35	68	8	1	7	5					872
PM Peak	16:00	17:00	16:00	14:00	16:00	15:00	12:00	15:00	13:00	15:00				16:00
Vol.	16	558	313	23	88	9	1	10	6	1				975
Grand Total	239	14278	7245	275	1970	170	4	144	71	4	0	0	0	24400
Percent	1.0%	58.5%	29.7%	1.1%	8.1%	0.7%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U0
 Recorder #: Jamar #7
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Green St, west of Summer St (3A)

Start Time	13-Sep-10		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB
12:00 AM	*	*	1	0	8	1	*	*	*	*	*	*	*	*	4	0
01:00	*	*	2	1	1	0	*	*	*	*	*	*	*	*	2	0
02:00	*	*	1	1	2	1	*	*	*	*	*	*	*	*	2	1
03:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
04:00	*	*	2	3	1	5	*	*	*	*	*	*	*	*	2	4
05:00	*	*	2	16	3	19	*	*	*	*	*	*	*	*	2	18
06:00	*	*	15	40	8	42	*	*	*	*	*	*	*	*	12	41
07:00	*	*	28	69	39	64	*	*	*	*	*	*	*	*	34	66
08:00	*	*	53	98	42	99	*	*	*	*	*	*	*	*	48	98
09:00	*	*	72	88	66	75	*	*	*	*	*	*	*	*	69	82
10:00	*	*	53	89	51	79	*	*	*	*	*	*	*	*	52	84
11:00	*	*	66	69	65	59	*	*	*	*	*	*	*	*	66	64
12:00 PM	*	*	66	84	79	65	*	*	*	*	*	*	*	*	72	74
01:00	*	*	77	59	90	70	*	*	*	*	*	*	*	*	84	64
02:00	*	*	87	53	98	69	*	*	*	*	*	*	*	*	92	61
03:00	*	*	90	86	108	93	*	*	*	*	*	*	*	*	99	90
04:00	*	*	108	87	106	92	*	*	*	*	*	*	*	*	107	90
05:00	*	*	127	99	136	84	*	*	*	*	*	*	*	*	132	92
06:00	*	*	108	54	119	90	*	*	*	*	*	*	*	*	114	72
07:00	*	*	121	85	122	69	*	*	*	*	*	*	*	*	122	77
08:00	*	*	58	29	86	31	*	*	*	*	*	*	*	*	72	30
09:00	*	*	43	37	38	23	*	*	*	*	*	*	*	*	40	30
10:00	*	*	23	11	13	6	*	*	*	*	*	*	*	*	18	8
11:00	*	*	6	7	8	9	*	*	*	*	*	*	*	*	7	8
Total	0	0	1209	1165	1289	1145	0	0	0	0	0	0	0	0	1252	1154
Day	0		2374		2434		0		0		0		0		2406	
AM Peak			09:00	08:00	09:00	08:00									09:00	08:00
Vol.			72	98	66	99									69	98
PM Peak			17:00	17:00	17:00	15:00									17:00	17:00
Vol.			127	99	136	93									132	92
Comb. Total	0		2374		2434		0		0		0		0		2406	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

Start Time	14-Sep-10 Tue		WB		EB		Combined		15-Sep- Wed	WB		EB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	0	17	0	22	0	39	1	20	0	14	1	34			
12:15	0	15	0	18	0	33	1	13	0	17	1	30			
12:30	1	14	0	31	1	45	3	22	1	21	4	43			
12:45	0	20	0	13	0	33	3	24	0	13	3	37			
01:00	0	20	0	17	0	37	0	19	0	20	0	39			
01:15	0	21	0	13	0	34	1	25	0	21	1	46			
01:30	0	23	1	17	1	40	0	25	0	17	0	42			
01:45	2	13	0	12	2	25	0	21	0	12	0	33			
02:00	0	31	0	9	0	40	0	28	0	22	0	50			
02:15	1	16	0	15	1	31	0	22	0	14	0	36			
02:30	0	23	0	14	0	37	0	22	1	20	1	42			
02:45	0	17	1	15	1	32	2	26	0	13	2	39			
03:00	0	22	0	26	0	48	0	25	0	27	0	52			
03:15	0	16	0	17	0	33	0	25	0	22	0	47			
03:30	0	30	0	24	0	54	0	31	0	29	0	60			
03:45	0	22	0	19	0	41	0	27	0	15	0	42			
04:00	1	23	0	15	1	38	0	16	0	16	0	32			
04:15	0	31	0	22	0	53	1	26	0	15	1	41			
04:30	1	21	3	24	4	45	0	31	3	32	3	63			
04:45	0	33	0	26	0	59	0	33	2	29	2	62			
05:00	0	29	2	27	2	56	0	36	2	26	2	62			
05:15	1	41	4	36	5	77	2	25	3	23	5	48			
05:30	1	28	2	25	3	53	0	37	8	19	8	56			
05:45	0	29	8	11	8	40	1	38	6	16	7	54			
06:00	2	30	6	15	8	45	2	35	5	23	7	58			
06:15	2	25	7	9	9	34	2	31	8	26	10	57			
06:30	6	27	15	11	21	38	1	31	15	15	16	46			
06:45	5	26	12	19	17	45	3	22	14	26	17	48			
07:00	4	29	17	30	21	59	6	26	13	31	19	57			
07:15	8	28	13	27	21	55	11	41	16	20	27	61			
07:30	9	34	23	14	32	48	11	42	18	11	29	53			
07:45	7	30	16	14	23	44	11	13	17	7	28	20			
08:00	13	13	26	6	39	19	9	27	32	9	41	36			
08:15	10	23	22	6	32	29	8	20	25	10	33	30			
08:30	16	13	24	5	40	18	7	27	20	4	27	31			
08:45	14	9	26	12	40	21	18	12	22	8	40	20			
09:00	23	12	25	7	48	19	21	10	25	5	46	15			
09:15	11	7	23	15	34	22	17	10	17	10	34	20			
09:30	20	8	18	5	38	13	14	10	15	4	29	14			
09:45	18	16	22	10	40	26	14	8	18	4	32	12			
10:00	11	10	24	6	35	16	14	7	26	2	40	9			
10:15	15	7	25	2	40	9	7	3	20	1	27	4			
10:30	14	3	19	3	33	6	15	3	17	0	32	3			
10:45	13	3	21	0	34	3	15	0	16	3	31	3			
11:00	21	1	14	3	35	4	9	3	13	3	22	6			
11:15	11	1	11	1	22	2	18	1	14	1	32	2			
11:30	13	4	15	2	28	6	17	3	20	3	37	6			
11:45	21	0	29	1	50	1	21	1	12	2	33	3			
Total	295	914	474	691	769	1605	286	1003	444	701	730	1704			
Day Total	1209		1165		2374		1289		1145		2434				
% Total	0.0%	12.4%	38.5%	20.0%	29.1%		11.8%	41.2%	18.2%	28.8%					
Peak	09:00	04:45	08:00	04:45	08:30	04:45	08:45	05:30	08:00	04:30	08:45	04:30			
Vol.	72	131	98	114	162	245	70	141	99	110	149	235			
P.H.F.	0.783	0.799	0.942	0.792	0.844	0.795	0.833	0.928	0.773	0.859	0.810	0.933			

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U0
 Recorder #: Jamar #7
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Green St, west of Summer St (3A)

Start Time	13-Sep-10 Mon	14-Sep-10 Tue	15-Sep-10 Wed	16-Sep-10 Thu	17-Sep-10 Fri	18-Sep-10 Sat	19-Sep-10 Sun	Week Average
12:00 AM	*	1	9	*	*	*	*	5
01:00	*	3	1	*	*	*	*	2
02:00	*	2	3	*	*	*	*	2
03:00	*	0	0	*	*	*	*	0
04:00	*	5	6	*	*	*	*	6
05:00	*	18	22	*	*	*	*	20
06:00	*	55	50	*	*	*	*	52
07:00	*	97	103	*	*	*	*	100
08:00	*	151	141	*	*	*	*	146
09:00	*	160	141	*	*	*	*	150
10:00	*	142	130	*	*	*	*	136
11:00	*	135	124	*	*	*	*	130
12:00 PM	*	150	144	*	*	*	*	147
01:00	*	136	160	*	*	*	*	148
02:00	*	140	167	*	*	*	*	154
03:00	*	176	201	*	*	*	*	188
04:00	*	195	198	*	*	*	*	196
05:00	*	226	220	*	*	*	*	223
06:00	*	162	209	*	*	*	*	186
07:00	*	206	191	*	*	*	*	198
08:00	*	87	117	*	*	*	*	102
09:00	*	80	61	*	*	*	*	70
10:00	*	34	19	*	*	*	*	26
11:00	*	13	17	*	*	*	*	15
Total	0	2374	2434	0	0	0	0	2402
Percentage	0.0%	98.8%	101.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak		09:00	08:00					09:00
Vol.		160	141					150
PM Peak		17:00	17:00					17:00
Vol.		226	220					223

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
01:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
06:00	0	0	1	4	7	2	0	0	0	1	0	0	0	0	15
07:00	1	0	1	6	10	10	0	0	0	0	0	0	0	0	28
08:00	0	2	9	12	21	9	0	0	0	0	0	0	0	0	53
09:00	1	1	4	15	32	16	2	1	0	0	0	0	0	0	72
10:00	0	1	3	14	20	14	1	0	0	0	0	0	0	0	53
11:00	1	1	6	21	27	9	1	0	0	0	0	0	0	0	66
12 PM	0	2	5	11	29	17	2	0	0	0	0	0	0	0	66
13:00	0	1	4	10	44	16	2	0	0	0	0	0	0	0	77
14:00	0	3	6	11	44	21	2	0	0	0	0	0	0	0	87
15:00	1	2	4	21	34	25	3	0	0	0	0	0	0	0	90
16:00	3	2	7	12	57	24	2	1	0	0	0	0	0	0	108
17:00	5	2	7	18	51	32	12	0	0	0	0	0	0	0	127
18:00	3	1	6	24	42	30	2	0	0	0	0	0	0	0	108
19:00	2	1	6	29	66	13	4	0	0	0	0	0	0	0	121
20:00	0	1	1	23	20	10	3	0	0	0	0	0	0	0	58
21:00	0	2	6	15	15	5	0	0	0	0	0	0	0	0	43
22:00	0	2	5	6	5	5	0	0	0	0	0	0	0	0	23
23:00	0	0	1	1	4	0	0	0	0	0	0	0	0	0	6
Total	17	25	82	255	531	259	36	3	0	1	0	0	0	0	1209

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
9/15/10	0	0	0	3	2	3	0	0	0	0	0	0	0	0	8
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
06:00	0	1	0	2	3	2	0	0	0	0	0	0	0	0	8
07:00	0	0	2	6	16	12	3	0	0	0	0	0	0	0	39
08:00	0	1	3	9	17	9	3	0	0	0	0	0	0	0	42
09:00	0	1	7	9	36	10	3	0	0	0	0	0	0	0	66
10:00	0	0	4	9	29	8	1	0	0	0	0	0	0	0	51
11:00	1	2	4	11	37	8	2	0	0	0	0	0	0	0	65
12 PM	0	1	7	17	38	13	3	0	0	0	0	0	0	0	79
13:00	1	4	13	13	44	13	2	0	0	0	0	0	0	0	90
14:00	2	2	4	19	45	23	2	0	1	0	0	0	0	0	98
15:00	3	2	6	21	46	24	6	0	0	0	0	0	0	0	108
16:00	6	1	5	16	40	30	8	0	0	0	0	0	0	0	106
17:00	1	0	10	15	58	46	6	0	0	0	0	0	0	0	136
18:00	2	1	9	23	50	33	1	0	0	0	0	0	0	0	119
19:00	1	4	11	25	59	17	4	1	0	0	0	0	0	0	122
20:00	2	3	15	16	37	11	2	0	0	0	0	0	0	0	86
21:00	1	2	0	9	19	7	0	0	0	0	0	0	0	0	38
22:00	0	0	2	4	4	2	0	1	0	0	0	0	0	0	13
23:00	0	0	1	3	3	0	1	0	0	0	0	0	0	0	8
Total	20	26	103	230	584	275	48	2	1	0	0	0	0	0	1289
Grand Total	37	51	185	485	1115	534	84	5	1	1	0	0	0	0	2498

15th Percentile : 27 MPH
50th Percentile : 33 MPH
85th Percentile : 38 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 32 MPH
10 MPH Pace Speed : 31-40 MPH
Number in Pace : 1649
Percent in Pace : 66.0%
Number of Vehicles > 30 MPH : 1740
Percent of Vehicles > 30 MPH : 69.7%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U0
 Recorder #: Jamar #7
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Green St, west of Summer St (3A)

EB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
05:00	0	0	0	4	10	2	0	0	0	0	0	0	0	0	16
06:00	0	0	2	12	18	6	2	0	0	0	0	0	0	0	40
07:00	0	0	3	23	35	6	2	0	0	0	0	0	0	0	69
08:00	0	2	9	30	43	13	0	1	0	0	0	0	0	0	98
09:00	1	2	2	24	46	10	3	0	0	0	0	0	0	0	88
10:00	1	0	8	27	40	13	0	0	0	0	0	0	0	0	89
11:00	0	3	7	28	23	8	0	0	0	0	0	0	0	0	69
12 PM	0	7	12	15	37	10	3	0	0	0	0	0	0	0	84
13:00	1	1	3	20	25	9	0	0	0	0	0	0	0	0	59
14:00	0	2	13	15	18	2	3	0	0	0	0	0	0	0	53
15:00	2	3	6	21	41	11	2	0	0	0	0	0	0	0	86
16:00	0	0	20	22	33	12	0	0	0	0	0	0	0	0	87
17:00	3	1	10	25	41	16	1	0	1	0	1	0	0	0	99
18:00	1	1	7	18	19	7	1	0	0	0	0	0	0	0	54
19:00	0	2	17	24	35	6	1	0	0	0	0	0	0	0	85
20:00	0	0	3	15	9	2	0	0	0	0	0	0	0	0	29
21:00	0	4	7	13	12	1	0	0	0	0	0	0	0	0	37
22:00	1	1	2	2	5	0	0	0	0	0	0	0	0	0	11
23:00	0	0	2	2	3	0	0	0	0	0	0	0	0	0	7
Total	10	29	133	341	495	136	18	1	1	0	1	0	0	0	1165

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

EB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
9/15/10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
05:00	0	0	0	0	5	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
06:00	0	0	0	4	7	22	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
07:00	0	1	3	21	27	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
08:00	3	1	6	27	48	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
09:00	0	0	5	18	31	18	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
10:00	1	2	8	25	34	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
11:00	1	0	5	11	31	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
12 PM	0	2	8	17	25	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
13:00	1	1	8	16	35	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
14:00	0	0	7	17	31	12	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
15:00	3	0	9	30	40	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
16:00	0	2	7	13	47	19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
17:00	2	1	10	24	36	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
18:00	3	2	8	24	34	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
19:00	1	2	10	27	26	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
20:00	0	0	4	12	11	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
21:00	0	2	2	7	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
22:00	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	0	0	0	2	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Total	15	16	105	306	510	165	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1145
Grand Total	25	45	238	647	1005	301	46	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2310

15th Percentile : 26 MPH
50th Percentile : 31 MPH
85th Percentile : 36 MPH
95th Percentile : 39 MPH

Stats
Mean Speed(Average) : 31 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 1652
Percent in Pace : 71.5%
Number of Vehicles > 30 MPH : 1355
Percent of Vehicles > 30 MPH : 58.7%

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U0
 Recorder #: Jamar #7
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Green St, west of Summer St (3A)

WB, EB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/14/10	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
01:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	2	2	0	0	0	0	0	0	0	0	5
05:00	0	0	0	4	11	3	0	0	0	0	0	0	0	0	18
06:00	0	0	3	16	25	8	2	0	0	1	0	0	0	0	55
07:00	1	0	4	29	45	16	2	0	0	0	0	0	0	0	97
08:00	0	4	18	42	64	22	0	1	0	0	0	0	0	0	151
09:00	2	3	6	39	78	26	5	1	0	0	0	0	0	0	160
10:00	1	1	11	41	60	27	1	0	0	0	0	0	0	0	142
11:00	1	4	13	49	50	17	1	0	0	0	0	0	0	0	135
12 PM	0	9	17	26	66	27	5	0	0	0	0	0	0	0	150
13:00	1	2	7	30	69	25	2	0	0	0	0	0	0	0	136
14:00	0	5	19	26	62	23	5	0	0	0	0	0	0	0	140
15:00	3	5	10	42	75	36	5	0	0	0	0	0	0	0	176
16:00	3	2	27	34	90	36	2	1	0	0	0	0	0	0	195
17:00	8	3	17	43	92	48	13	0	1	0	1	0	0	0	226
18:00	4	2	13	42	61	37	3	0	0	0	0	0	0	0	162
19:00	2	3	23	53	101	19	5	0	0	0	0	0	0	0	206
20:00	0	1	4	38	29	12	3	0	0	0	0	0	0	0	87
21:00	0	6	13	28	27	6	0	0	0	0	0	0	0	0	80
22:00	1	3	7	8	10	5	0	0	0	0	0	0	0	0	34
23:00	0	0	3	3	7	0	0	0	0	0	0	0	0	0	13
Total	27	54	215	596	1026	395	54	4	1	1	1	0	0	0	2374

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB, EB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
9/15/10	0	0	0	3	2	4	0	0	0	0	0	0	0	0	9
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	1	1	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	2	3	0	0	0	0	0	0	0	0	6
05:00	0	0	0	5	12	5	0	0	0	0	0	0	0	0	22
06:00	0	1	4	9	25	11	0	0	0	0	0	0	0	0	50
07:00	0	1	5	27	43	22	5	0	0	0	0	0	0	0	103
08:00	3	2	9	36	65	21	5	0	0	0	0	0	0	0	141
09:00	0	1	12	27	67	28	6	0	0	0	0	0	0	0	141
10:00	1	2	12	34	63	16	2	0	0	0	0	0	0	0	130
11:00	2	2	9	22	68	17	4	0	0	0	0	0	0	0	124
12 PM	0	3	15	34	63	25	4	0	0	0	0	0	0	0	144
13:00	2	5	21	29	79	21	3	0	0	0	0	0	0	0	160
14:00	2	2	11	36	76	35	4	0	1	0	0	0	0	0	167
15:00	6	2	15	51	86	33	8	0	0	0	0	0	0	0	201
16:00	6	3	12	29	87	49	12	0	0	0	0	0	0	0	198
17:00	3	1	20	39	94	51	12	0	0	0	0	0	0	0	220
18:00	5	3	17	47	84	51	2	0	0	0	0	0	0	0	209
19:00	2	6	21	52	85	20	4	1	0	0	0	0	0	0	191
20:00	2	3	19	28	48	14	3	0	0	0	0	0	0	0	117
21:00	1	4	2	16	29	9	0	0	0	0	0	0	0	0	61
22:00	0	0	2	7	7	2	0	1	0	0	0	0	0	0	19
23:00	0	0	1	5	9	1	1	0	0	0	0	0	0	0	17
Total	35	42	208	536	1094	440	76	2	1	0	0	0	0	0	2434
Grand Total	62	96	423	1132	2120	835	130	6	2	1	1	0	0	0	4808

15th Percentile : 26 MPH
50th Percentile : 32 MPH
85th Percentile : 37 MPH
95th Percentile : 40 MPH

Stats
Mean Speed(Average) : 32 MPH
10 MPH Pace Speed : 26-35 MPH
Number in Pace : 3252
Percent in Pace : 67.6%
Number of Vehicles > 30 MPH : 3095
Percent of Vehicles > 30 MPH : 64.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
	02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	05:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	06:00	0	8	7	0	0	0	0	0	0	0	0	0	0	15
	07:00	0	18	7	0	3	0	0	0	0	0	0	0	0	28
	08:00	0	32	16	1	4	0	0	0	0	0	0	0	0	53
	09:00	0	46	21	0	5	0	0	0	0	0	0	0	0	72
	10:00	1	35	12	0	5	0	0	0	0	0	0	0	0	53
	11:00	0	36	25	0	5	0	0	0	0	0	0	0	0	66
	12 PM	0	44	16	0	6	0	0	0	0	0	0	0	0	66
	13:00	0	46	27	0	4	0	0	0	0	0	0	0	0	77
	14:00	1	42	39	0	5	0	0	0	0	0	0	0	0	87
	15:00	1	49	33	1	6	0	0	0	0	0	0	0	0	90
	16:00	2	66	34	0	6	0	0	0	0	0	0	0	0	108
	17:00	1	74	38	0	14	0	0	0	0	0	0	0	0	127
	18:00	0	68	33	0	5	0	0	2	0	0	0	0	0	108
	19:00	0	68	45	0	8	0	0	0	0	0	0	0	0	121
	20:00	0	40	15	0	3	0	0	0	0	0	0	0	0	58
	21:00	0	34	8	0	1	0	0	0	0	0	0	0	0	43
	22:00	0	17	5	0	1	0	0	0	0	0	0	0	0	23
	23:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6
	Total	6	731	387	2	81	0	0	2	0	0	0	0	0	1209
	Percent	0.5%	60.5%	32.0%	0.2%	6.7%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	10:00	09:00	11:00	08:00	09:00									09:00
	Vol.	1	46	25	1	5									72
	PM Peak	16:00	17:00	19:00	15:00	17:00			18:00						17:00
	Vol.	2	74	45	1	14			2						127

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	6	1	0	1	0	0	0	0	0	0	0	0	8
	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	05:00	0	2	0	0	1	0	0	0	0	0	0	0	0	3
	06:00	0	3	3	0	2	0	0	0	0	0	0	0	0	8
	07:00	0	23	12	0	4	0	0	0	0	0	0	0	0	39
	08:00	0	17	19	1	5	0	0	0	0	0	0	0	0	42
	09:00	0	33	26	0	5	0	0	2	0	0	0	0	0	66
	10:00	0	23	21	0	6	1	0	0	0	0	0	0	0	51
	11:00	0	33	19	0	12	0	0	0	1	0	0	0	0	65
	12 PM	0	42	32	0	5	0	0	0	0	0	0	0	0	79
	13:00	0	54	28	0	8	0	0	0	0	0	0	0	0	90
	14:00	2	59	29	0	6	1	0	1	0	0	0	0	0	98
	15:00	1	52	43	1	11	0	0	0	0	0	0	0	0	108
	16:00	2	60	37	0	6	0	0	0	0	0	0	0	0	105
	17:00	0	89	38	0	8	0	0	1	0	0	0	0	0	136
	18:00	0	66	44	0	9	0	0	0	0	0	0	0	0	119
	19:00	0	72	44	0	6	0	0	0	0	0	0	0	0	122
	20:00	0	49	33	0	4	0	0	0	0	0	0	0	0	86
	21:00	0	24	11	0	3	0	0	0	0	0	0	0	0	38
	22:00	0	6	6	0	1	0	0	0	0	0	0	0	0	13
	23:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8
	Total	5	720	451	2	103	2	0	4	1	0	0	0	0	1288
	Percent	0.4%	55.9%	35.0%	0.2%	8.0%	0.2%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	
	AM Peak		09:00	09:00	08:00	11:00	10:00		09:00	11:00					09:00
	Vol.		33	26	1	12	1		2	1					66
	PM Peak	14:00	17:00	18:00	15:00	15:00	14:00		14:00						17:00
	Vol.	2	89	44	1	11	1		1						136
	Grand Total	11	1451	838	4	184	2	0	6	1	0	0	0	0	2497
	Percent	0.4%	58.1%	33.6%	0.2%	7.4%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
9/15/10	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	3	0	0	2	0	0	0	0	0	0	0	0	5
05:00	0	11	5	0	3	0	0	0	0	0	0	0	0	19
06:00	0	21	15	0	6	0	0	0	0	0	0	0	0	42
07:00	0	42	16	0	6	0	0	0	0	0	0	0	0	64
08:00	0	52	34	1	11	0	0	1	0	0	0	0	0	99
09:00	0	44	28	0	3	0	0	0	0	0	0	0	0	75
10:00	0	47	29	0	3	0	0	0	0	0	0	0	0	79
11:00	0	36	21	0	1	0	0	1	0	0	0	0	0	59
12 PM	0	35	25	2	3	0	0	0	0	0	0	0	0	65
13:00	1	43	20	0	6	0	0	0	0	0	0	0	0	70
14:00	0	49	19	0	1	0	0	0	0	0	0	0	0	69
15:00	0	62	26	0	5	0	0	0	0	0	0	0	0	93
16:00	0	51	36	0	5	0	0	0	0	0	0	0	0	92
17:00	0	54	26	0	4	0	0	0	0	0	0	0	0	84
18:00	0	58	28	0	4	0	0	0	0	0	0	0	0	90
19:00	0	46	21	0	2	0	0	0	0	0	0	0	0	69
20:00	0	22	9	0	0	0	0	0	0	0	0	0	0	31
21:00	0	14	5	0	3	1	0	0	0	0	0	0	0	23
22:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6
23:00	0	4	4	0	1	0	0	0	0	0	0	0	0	9
Total	1	698	370	3	70	1	0	2	0	0	0	0	0	1145
Percent	0.1%	61.0%	32.3%	0.3%	6.1%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00	08:00	08:00			08:00						08:00
Vol.		52	34	1	11			1						99
PM Peak	13:00	15:00	16:00	12:00	13:00	21:00								15:00
Vol.	1	62	36	2	6	1								93
Grand Total	7	1449	689	5	153	3	0	4	0	0	0	0	0	2310
Percent	0.3%	62.7%	29.8%	0.2%	6.6%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Kingston
Com #_U/RFC: 145_U0
Recorder #: Jamar #7
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 145
Date Start: 14-Sep-10
Date End: 15-Sep-10
Green St, west of Summer St (3A)

WB, EB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/14/10	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
	02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	3	1	0	1	0	0	0	0	0	0	0	0	5
	05:00	0	9	7	0	2	0	0	0	0	0	0	0	0	18
	06:00	0	33	19	0	3	0	0	0	0	0	0	0	0	55
	07:00	1	57	23	0	15	0	0	1	0	0	0	0	0	97
	08:00	0	94	46	2	9	0	0	0	0	0	0	0	0	151
	09:00	0	98	50	0	11	0	0	1	0	0	0	0	0	160
	10:00	1	93	37	0	11	0	0	0	0	0	0	0	0	142
	11:00	1	84	41	0	9	0	0	0	0	0	0	0	0	135
	12 PM	0	100	36	0	14	0	0	0	0	0	0	0	0	150
	13:00	1	92	36	0	7	0	0	0	0	0	0	0	0	136
	14:00	1	81	51	0	7	0	0	0	0	0	0	0	0	140
	15:00	1	105	55	1	14	0	0	0	0	0	0	0	0	176
	16:00	3	120	58	1	13	0	0	0	0	0	0	0	0	195
	17:00	3	134	71	0	16	2	0	0	0	0	0	0	0	226
	18:00	0	98	50	0	12	0	0	2	0	0	0	0	0	162
	19:00	0	123	72	0	11	0	0	0	0	0	0	0	0	206
	20:00	0	62	21	0	4	0	0	0	0	0	0	0	0	87
	21:00	0	60	18	0	2	0	0	0	0	0	0	0	0	80
	22:00	0	25	6	0	3	0	0	0	0	0	0	0	0	34
	23:00	0	8	5	0	0	0	0	0	0	0	0	0	0	13
	Total	12	1482	706	4	164	2	0	4	0	0	0	0	0	2374
	Percent	0.5%	62.4%	29.7%	0.2%	6.9%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
	AM Peak	07:00	09:00	09:00	08:00	07:00			07:00						09:00
	Vol.	1	98	50	2	15			1						160
	PM Peak	16:00	17:00	19:00	15:00	17:00	17:00		18:00						17:00
	Vol.	3	134	72	1	16	2		2						226

Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833

Community: Kingston
 Com #_U/RFC: 145_U0
 Recorder #: Jamar #7
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 145
 Date Start: 14-Sep-10
 Date End: 15-Sep-10
 Green St, west of Summer St (3A)

WB, EB	Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total
	9/15/10	0	6	2	0	1	0	0	0	0	0	0	0	0	9
	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	0	2	0	1	0	0	0	0	0	0	0	0	3
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	0	4	0	0	2	0	0	0	0	0	0	0	0	6
	05:00	0	13	5	0	4	0	0	0	0	0	0	0	0	22
	06:00	0	24	18	0	8	0	0	0	0	0	0	0	0	50
	07:00	0	65	28	0	10	0	0	0	0	0	0	0	0	103
	08:00	0	69	53	2	16	0	0	1	0	0	0	0	0	141
	09:00	0	77	54	0	8	0	0	2	0	0	0	0	0	141
	10:00	0	70	50	0	9	1	0	0	0	0	0	0	0	130
	11:00	0	69	40	0	13	0	0	1	1	0	0	0	0	124
	12 PM	0	77	57	2	8	0	0	0	0	0	0	0	0	144
	13:00	1	97	48	0	14	0	0	0	0	0	0	0	0	160
	14:00	2	108	48	0	7	1	0	1	0	0	0	0	0	167
	15:00	1	114	69	1	16	0	0	0	0	0	0	0	0	201
	16:00	2	111	73	0	11	0	0	0	0	0	0	0	0	197
	17:00	0	143	64	0	12	0	0	1	0	0	0	0	0	220
	18:00	0	124	72	0	13	0	0	0	0	0	0	0	0	209
	19:00	0	118	65	0	8	0	0	0	0	0	0	0	0	191
	20:00	0	71	42	0	4	0	0	0	0	0	0	0	0	117
	21:00	0	38	16	0	6	1	0	0	0	0	0	0	0	61
	22:00	0	10	8	0	1	0	0	0	0	0	0	0	0	19
	23:00	0	10	6	0	1	0	0	0	0	0	0	0	0	17
	Total	6	1418	821	5	173	3	0	6	1	0	0	0	0	2433
	Percent	0.2%	58.3%	33.7%	0.2%	7.1%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
	AM Peak		09:00	09:00	08:00	08:00	10:00		09:00	11:00					08:00
	Vol.		77	54	2	16	1		2	1					141
	PM Peak	14:00	17:00	16:00	12:00	15:00	14:00		14:00						17:00
	Vol.	2	143	73	2	16	1		1						220
	Grand Total	18	2900	1527	9	337	5	0	10	1	0	0	0	0	4807
	Percent	0.4%	60.3%	31.8%	0.2%	7.0%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	



Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & EA
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

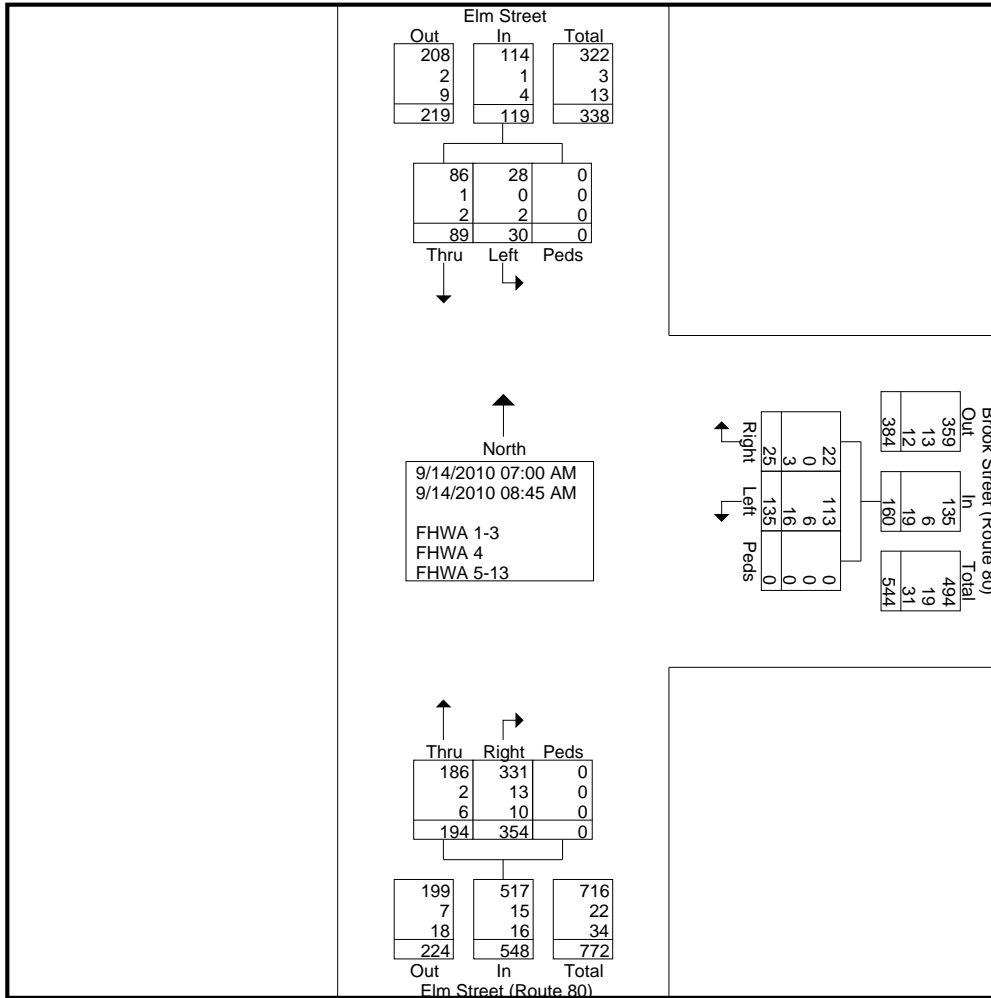
Start Time	Elm Street Southbound				Brook Street (Route 80) Westbound				Elm Street (Route 80) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	3	9	0	12	9	9	0	18	31	42	0	73	103
07:15 AM	7	16	0	23	13	1	0	14	24	35	0	59	96
07:30 AM	3	15	0	18	28	2	0	30	22	41	0	63	111
07:45 AM	2	8	0	10	10	1	0	11	30	60	0	90	111
Total	15	48	0	63	60	13	0	73	107	178	0	285	421
08:00 AM	5	5	0	10	13	3	0	16	22	69	0	91	117
08:15 AM	6	15	0	21	26	4	0	30	23	43	0	66	117
08:30 AM	4	9	0	13	16	2	0	18	18	33	0	51	82
08:45 AM	0	12	0	12	20	3	0	23	24	31	0	55	90
Total	15	41	0	56	75	12	0	87	87	176	0	263	406
Grand Total	30	89	0	119	135	25	0	160	194	354	0	548	827
Apprch %	25.2	74.8	0		84.4	15.6	0		35.4	64.6	0		
Total %	3.6	10.8	0	14.4	16.3	3	0	19.3	23.5	42.8	0	66.3	
FHWA 1-3	28	86	0	114	113	22	0	135	186	331	0	517	766
% FHWA 1-3	93.3	96.6	0	95.8	83.7	88	0	84.4	95.9	93.5	0	94.3	92.6
FHWA 4	0	1	0	1	6	0	0	6	2	13	0	15	22
% FHWA 4	0	1.1	0	0.8	4.4	0	0	3.8	1	3.7	0	2.7	2.7
FHWA 5-13	2	2	0	4	16	3	0	19	6	10	0	16	39
% FHWA 5-13	6.7	2.2	0	3.4	11.9	12	0	11.9	3.1	2.8	0	2.9	4.7



Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & EA
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

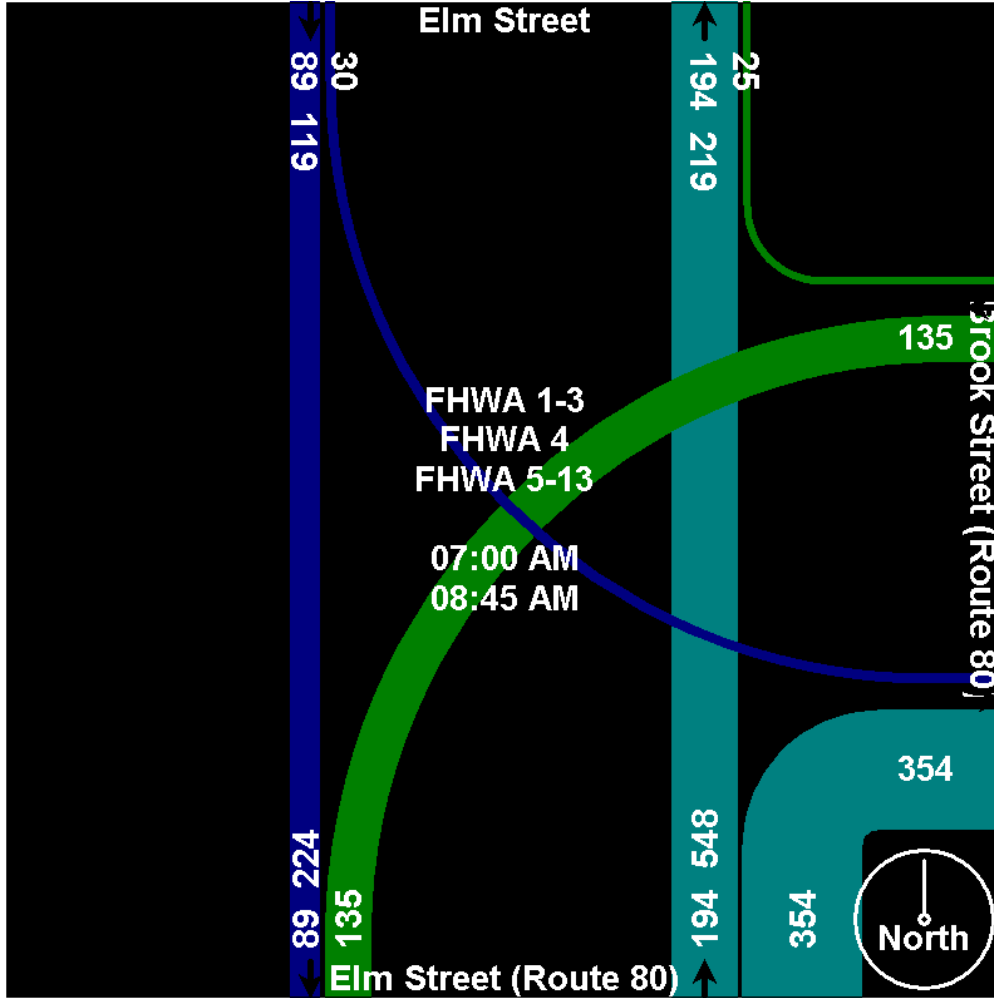




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & EA
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



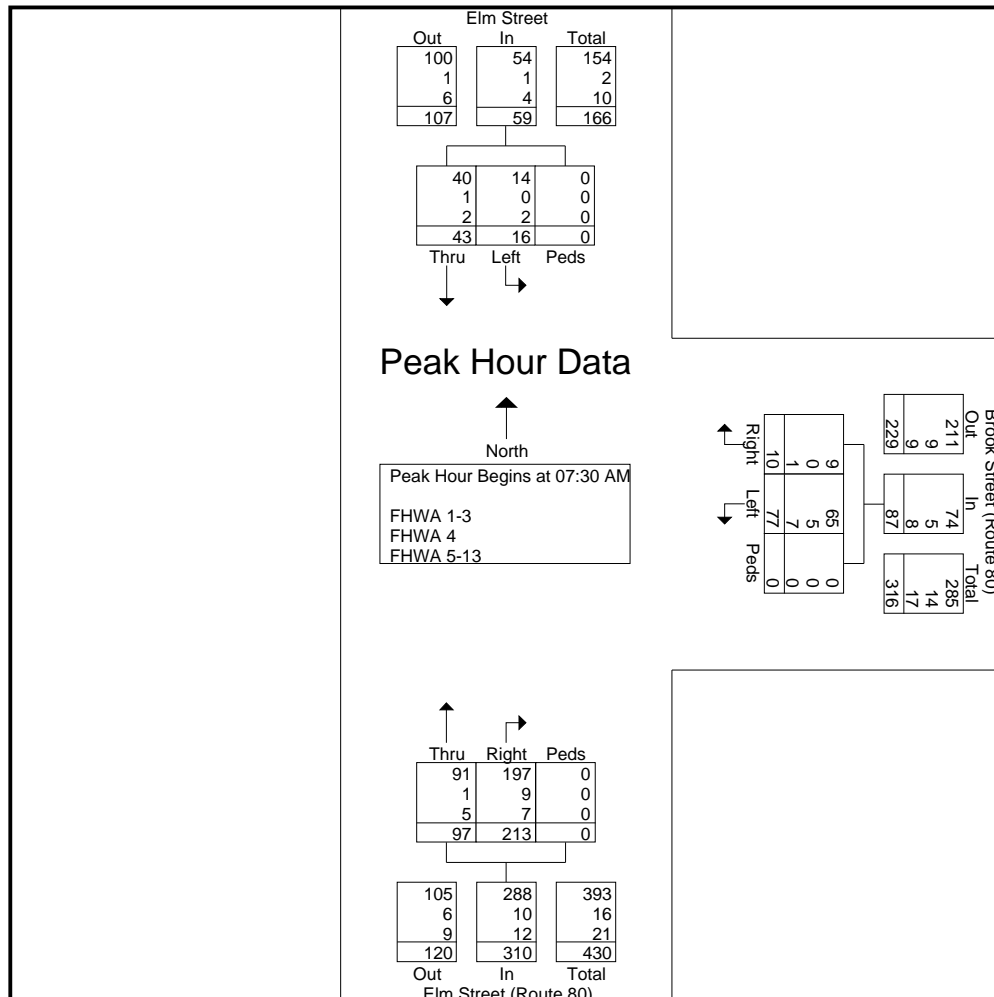


Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & EA
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 4

Start Time	Elm Street Southbound				Brook Street (Route 80) Westbound				Elm Street (Route 80) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	3	15	0	18	28	2	0	30	22	41	0	63	111
07:45 AM	2	8	0	10	10	1	0	11	30	60	0	90	111
08:00 AM	5	5	0	10	13	3	0	16	22	69	0	91	117
08:15 AM	6	15	0	21	26	4	0	30	23	43	0	66	117
Total Volume	16	43	0	59	77	10	0	87	97	213	0	310	456
% App. Total	27.1	72.9	0		88.5	11.5	0		31.3	68.7	0		
PHF	.667	.717	.000	.702	.688	.625	.000	.725	.808	.772	.000	.852	.974
FHWA 1-3	14	40	0	54	65	9	0	74	91	197	0	288	416
% FHWA 1-3	87.5	93.0	0	91.5	84.4	90.0	0	85.1	93.8	92.5	0	92.9	91.2
FHWA 4	0	1	0	1	5	0	0	5	1	9	0	10	16
% FHWA 4	0	2.3	0	1.7	6.5	0	0	5.7	1.0	4.2	0	3.2	3.5
FHWA 5-13	2	2	0	4	7	1	0	8	5	7	0	12	24
% FHWA 5-13	12.5	4.7	0	6.8	9.1	10.0	0	9.2	5.2	3.3	0	3.9	5.3

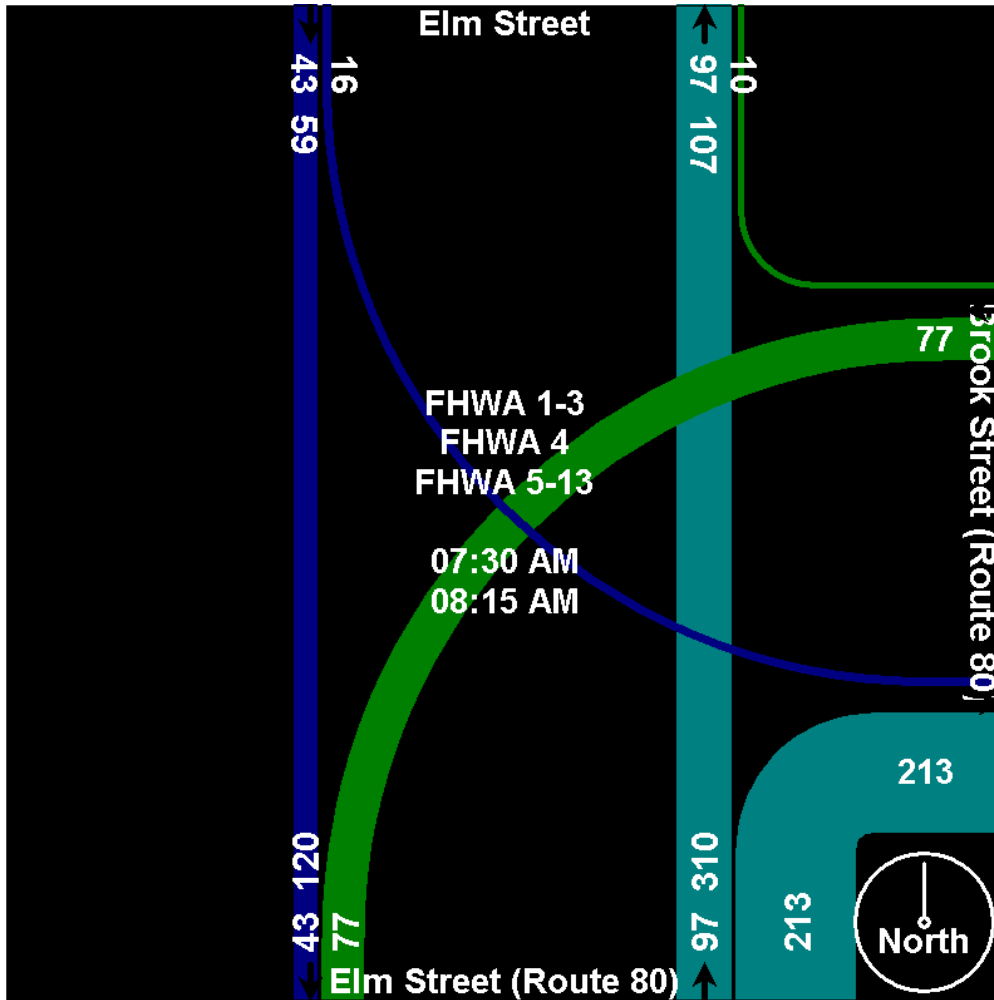




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & EA
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & EA
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & JC
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

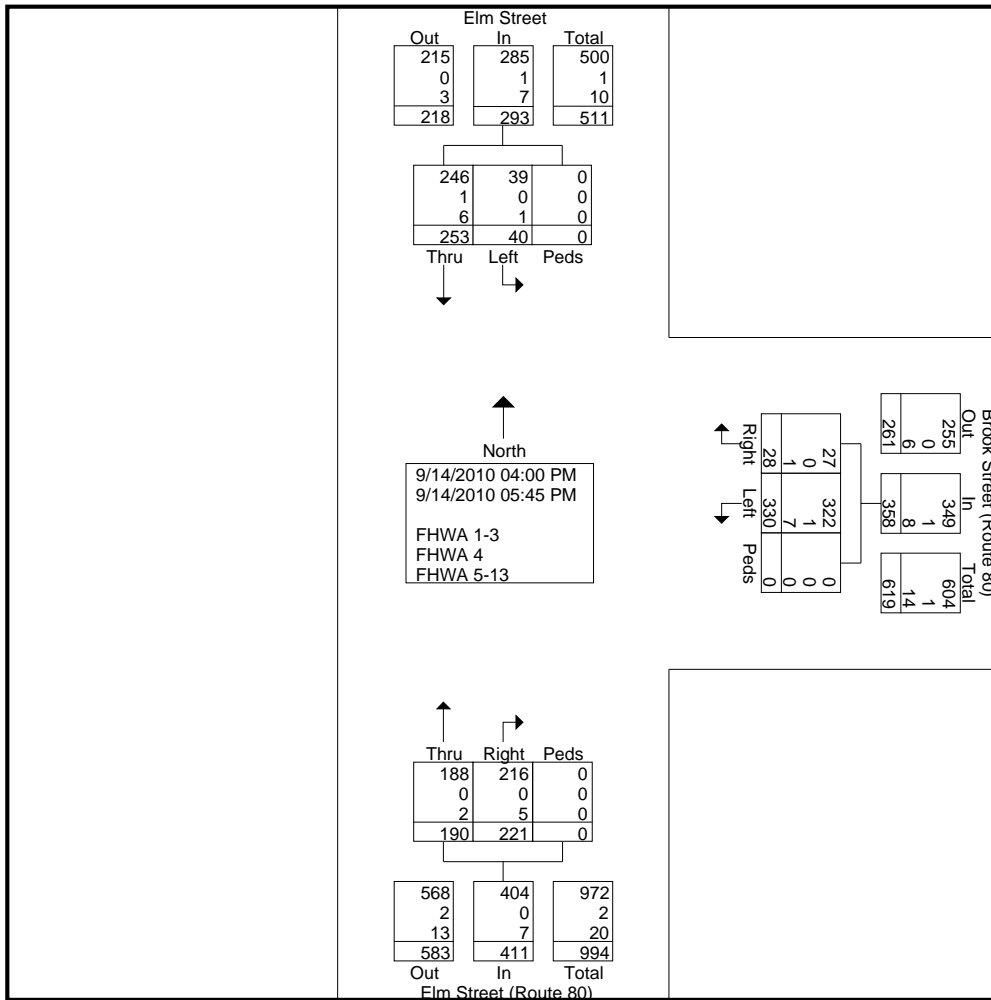
Start Time	Elm Street Southbound				Brook Street (Route 80) Westbound				Elm Street (Route 80) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	3	34	0	37	37	1	0	38	25	17	0	42	117
04:15 PM	7	30	0	37	41	5	0	46	28	26	0	54	137
04:30 PM	6	28	0	34	39	3	0	42	23	26	0	49	125
04:45 PM	4	29	0	33	35	5	0	40	38	40	0	78	151
Total	20	121	0	141	152	14	0	166	114	109	0	223	530
05:00 PM	7	47	0	54	37	3	0	40	34	30	0	64	158
05:15 PM	5	32	0	37	39	5	0	44	17	34	0	51	132
05:30 PM	4	26	0	30	55	1	0	56	10	22	0	32	118
05:45 PM	4	27	0	31	47	5	0	52	15	26	0	41	124
Total	20	132	0	152	178	14	0	192	76	112	0	188	532
Grand Total	40	253	0	293	330	28	0	358	190	221	0	411	1062
Apprch %	13.7	86.3	0		92.2	7.8	0		46.2	53.8	0		
Total %	3.8	23.8	0	27.6	31.1	2.6	0	33.7	17.9	20.8	0	38.7	
FHWA 1-3	39	246	0	285	322	27	0	349	188	216	0	404	1038
% FHWA 1-3	97.5	97.2	0	97.3	97.6	96.4	0	97.5	98.9	97.7	0	98.3	97.7
FHWA 4	0	1	0	1	1	0	0	1	0	0	0	0	2
% FHWA 4	0	0.4	0	0.3	0.3	0	0	0.3	0	0	0	0	0.2
FHWA 5-13	1	6	0	7	7	1	0	8	2	5	0	7	22
% FHWA 5-13	2.5	2.4	0	2.4	2.1	3.6	0	2.2	1.1	2.3	0	1.7	2.1



Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & JC
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

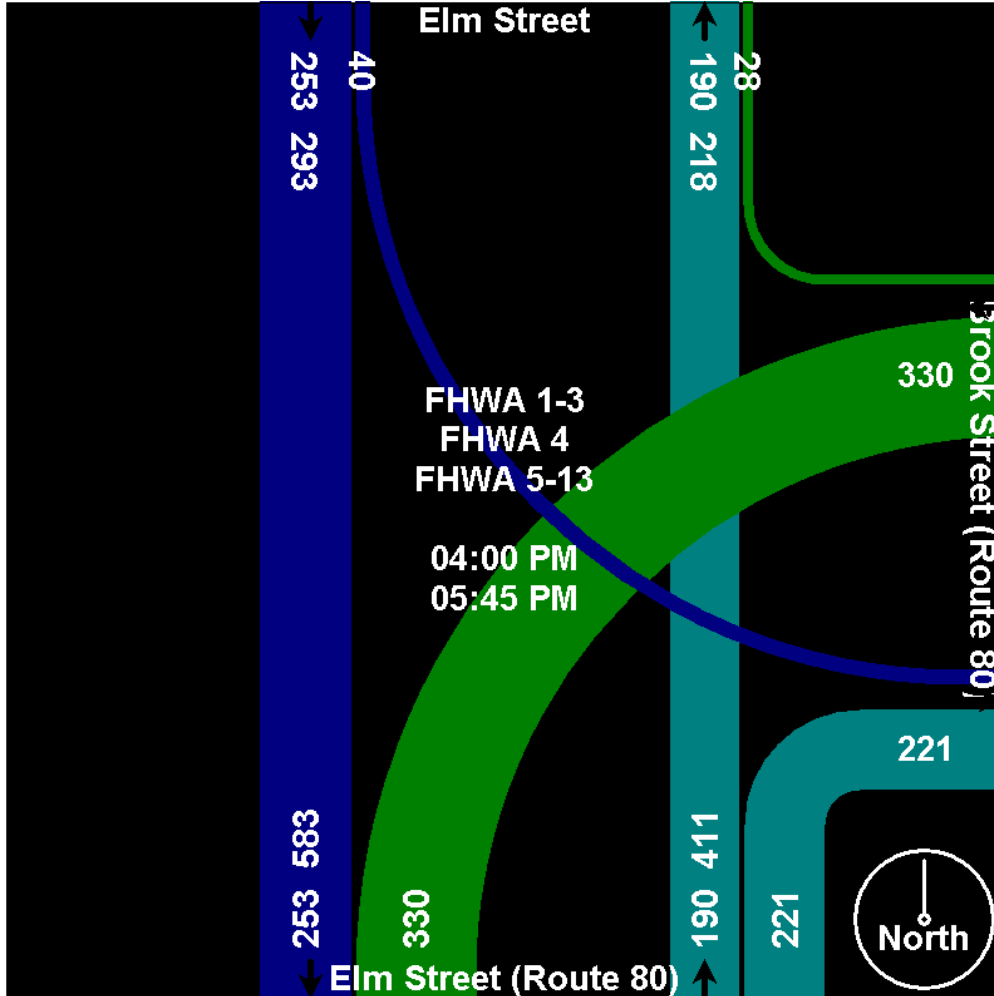




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & JC
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



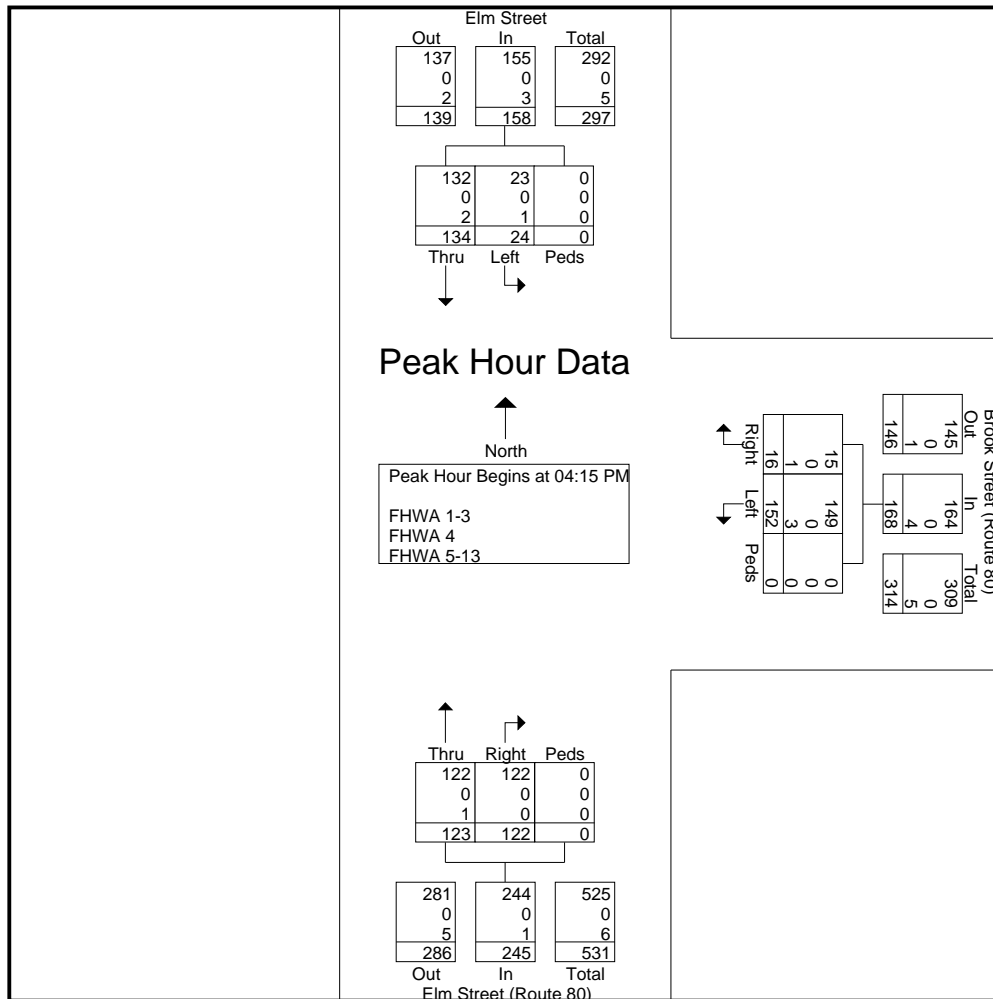


Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (5) & JC
 Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 4

Start Time	Elm Street Southbound				Brook Street (Route 80) Westbound				Elm Street (Route 80) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:15 PM													
04:15 PM	7	30	0	37	41	5	0	46	28	26	0	54	137
04:30 PM	6	28	0	34	39	3	0	42	23	26	0	49	125
04:45 PM	4	29	0	33	35	5	0	40	38	40	0	78	151
05:00 PM	7	47	0	54	37	3	0	40	34	30	0	64	158
Total Volume	24	134	0	158	152	16	0	168	123	122	0	245	571
% App. Total	15.2	84.8	0		90.5	9.5	0		50.2	49.8	0		
PHF	.857	.713	.000	.731	.927	.800	.000	.913	.809	.763	.000	.785	.903
FHWA 1-3	23	132	0	155	149	15	0	164	122	122	0	244	563
% FHWA 1-3	95.8	98.5	0	98.1	98.0	93.8	0	97.6	99.2	100	0	99.6	98.6
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA 5-13	1	2	0	3	3	1	0	4	1	0	0	1	8
% FHWA 5-13	4.2	1.5	0	1.9	2.0	6.3	0	2.4	0.8	0	0	0.4	1.4

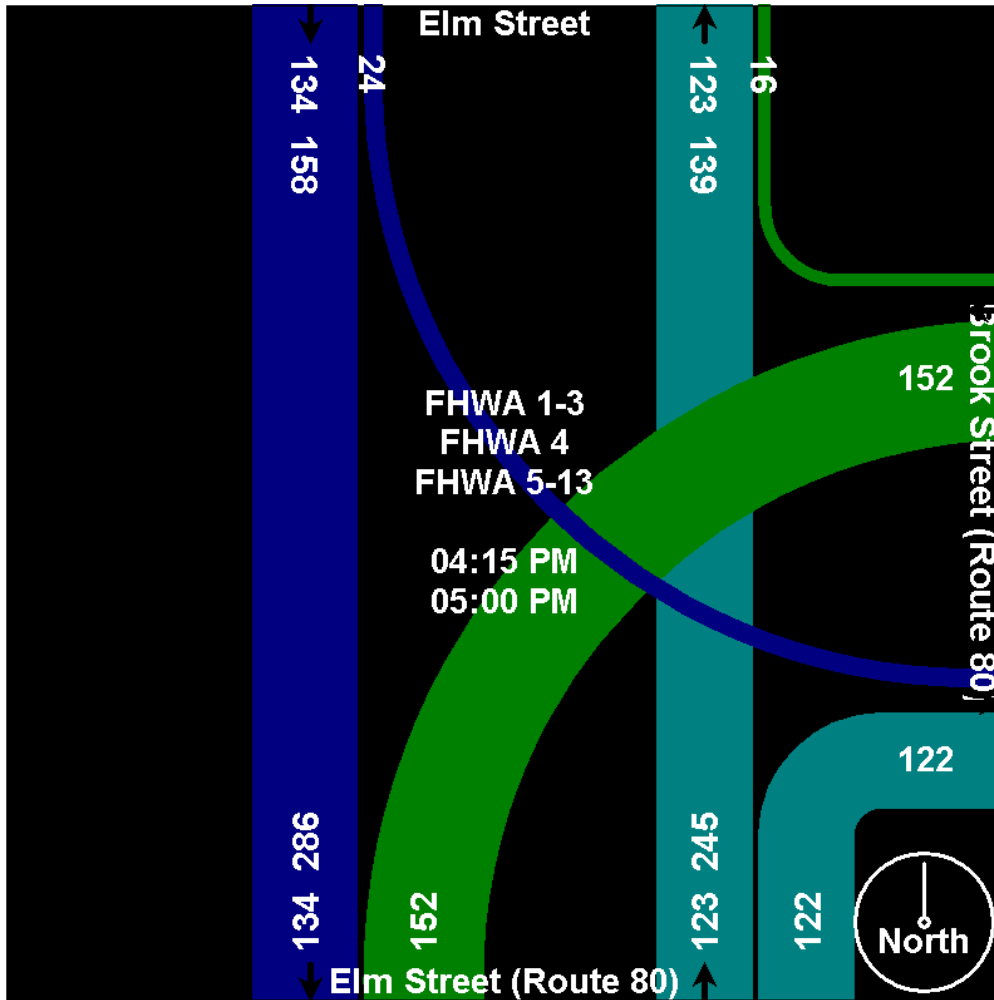




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & JC
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (5) & JC
Traffic Control: One Way Stop

File Name : 145_Brook(80)&Elm(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

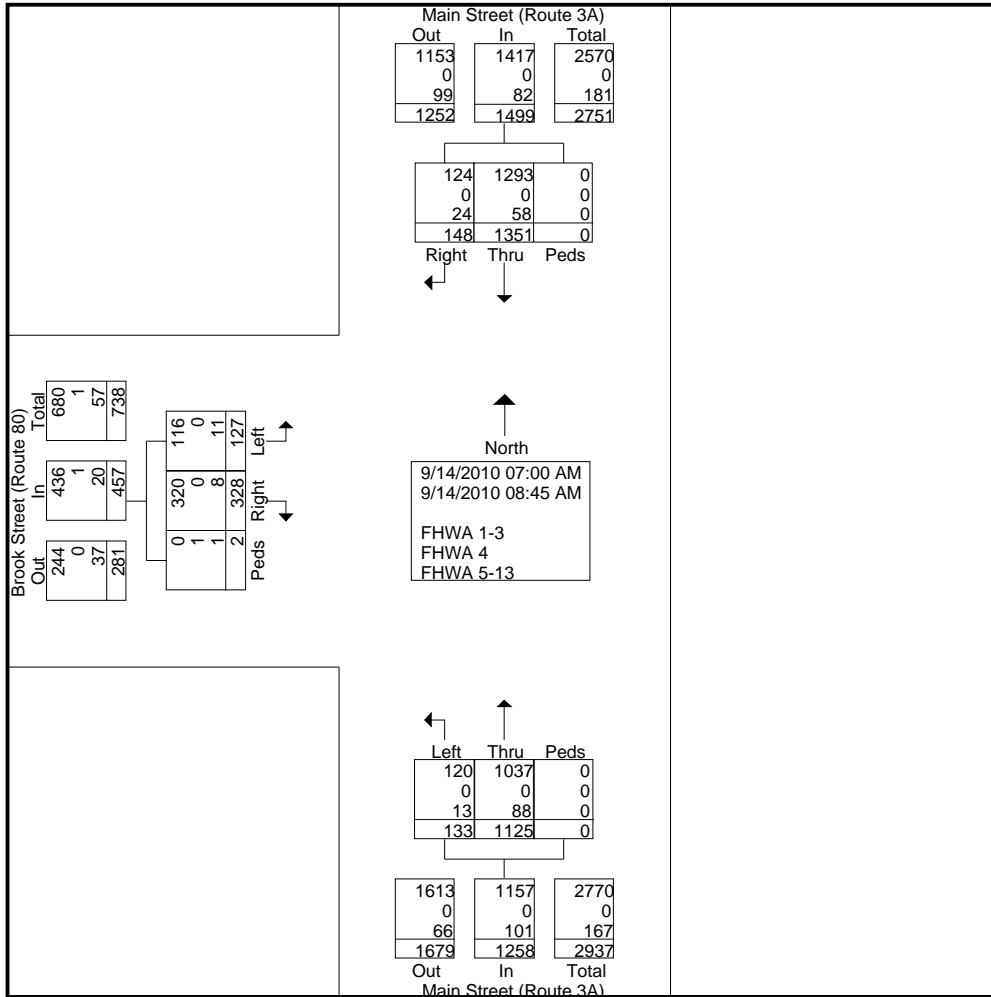
Start Time Factor	Main Street (Route 3A) Southbound				Main Street (Route 3A) Northbound				Brook Street (Route 80) Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	136	6	0	142	10	124	0	134	15	36	0	51	327
07:15 AM	154	20	0	174	11	138	0	149	9	44	0	53	376
07:30 AM	170	25	0	195	24	136	0	160	7	34	0	41	396
07:45 AM	194	19	0	213	15	124	0	139	10	49	1	60	412
Total	654	70	0	724	60	522	0	582	41	163	1	205	1511
08:00 AM	149	22	0	171	16	142	0	158	27	48	0	75	404
08:15 AM	176	27	0	203	21	149	0	170	33	53	0	86	459
08:30 AM	179	14	0	193	17	153	0	170	16	34	0	50	413
08:45 AM	193	15	0	208	19	159	0	178	10	30	1	41	427
Total	697	78	0	775	73	603	0	676	86	165	1	252	1703
Grand Total	1351	148	0	1499	133	1125	0	1258	127	328	2	457	3214
Apprch %	90.1	9.9	0		10.6	89.4	0		27.8	71.8	0.4		
Total %	42	4.6	0	46.6	4.1	35	0	39.1	4	10.2	0.1	14.2	
FHWA 1-3	1293	124	0	1417	120	1037	0	1157	116	320	0	436	3010
% FHWA 1-3	95.7	83.8	0	94.5	90.2	92.2	0	92	91.3	97.6	0	95.4	93.7
FHWA 4	0	0	0	0	0	0	0	0	0	0	1	1	1
% FHWA 4	0	0	0	0	0	0	0	0	0	0	50	0.2	0
FHWA 5-13	58	24	0	82	13	88	0	101	11	8	1	20	203
% FHWA 5-13	4.3	16.2	0	5.5	9.8	7.8	0	8	8.7	2.4	50	4.4	6.3



Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

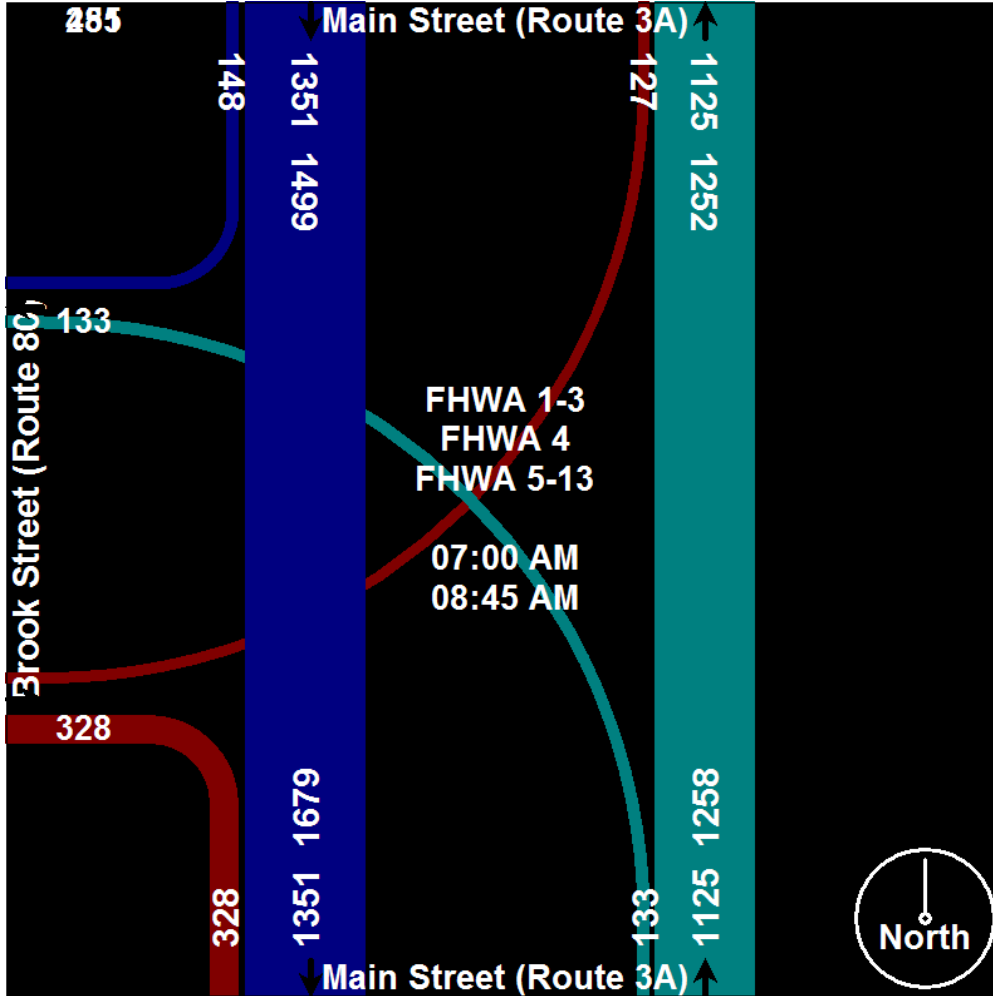




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



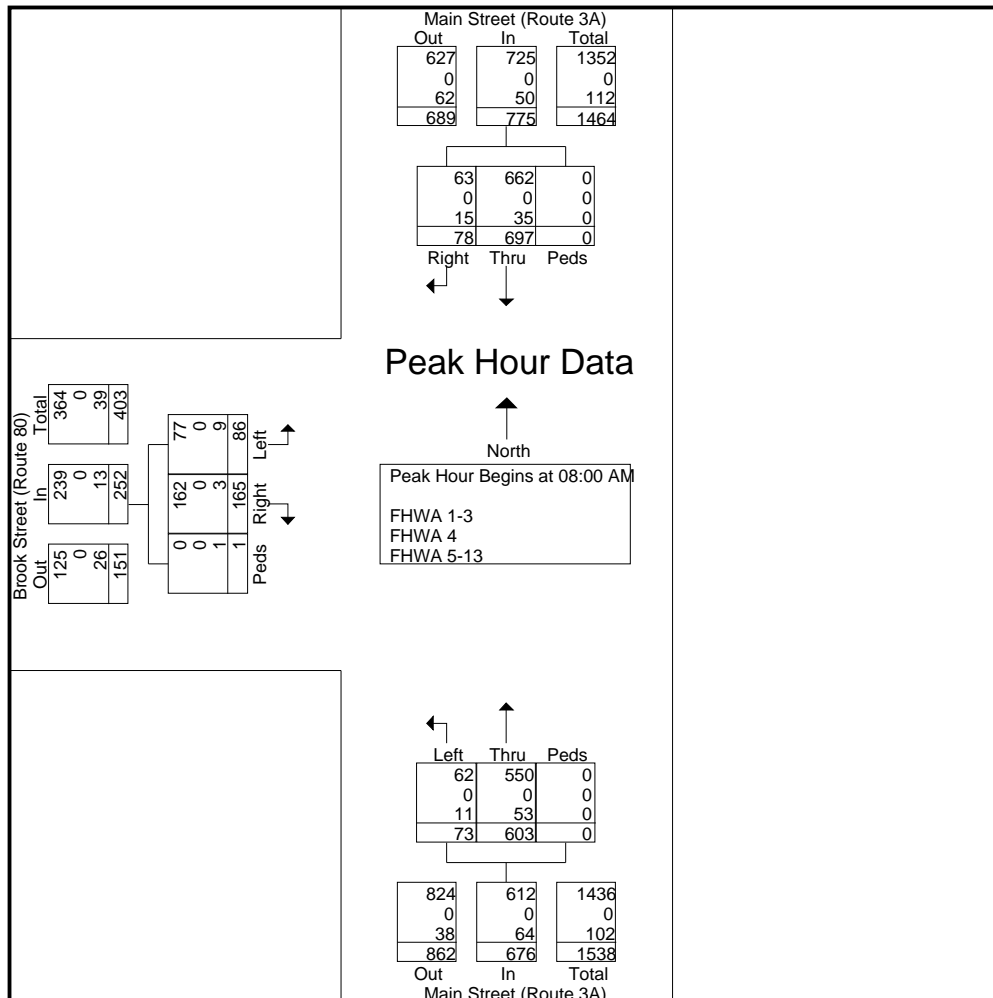


Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 4

Start Time	Main Street (Route 3A) Southbound				Main Street (Route 3A) Northbound				Brook Street (Route 80) Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	149	22	0	171	16	142	0	158	27	48	0	75	404
08:15 AM	176	27	0	203	21	149	0	170	33	53	0	86	459
08:30 AM	179	14	0	193	17	153	0	170	16	34	0	50	413
08:45 AM	193	15	0	208	19	159	0	178	10	30	1	41	427
Total Volume	697	78	0	775	73	603	0	676	86	165	1	252	1703
% App. Total	89.9	10.1	0		10.8	89.2	0		34.1	65.5	0.4		
PHF	.903	.722	.000	.931	.869	.948	.000	.949	.652	.778	.250	.733	.928
FHWA 1-3	662	63	0	725	62	550	0	612	77	162	0	239	1576
% FHWA 1-3	95.0	80.8	0	93.5	84.9	91.2	0	90.5	89.5	98.2	0	94.8	92.5
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA 5-13	35	15	0	50	11	53	0	64	9	3	1	13	127
% FHWA 5-13	5.0	19.2	0	6.5	15.1	8.8	0	9.5	10.5	1.8	100	5.2	7.5

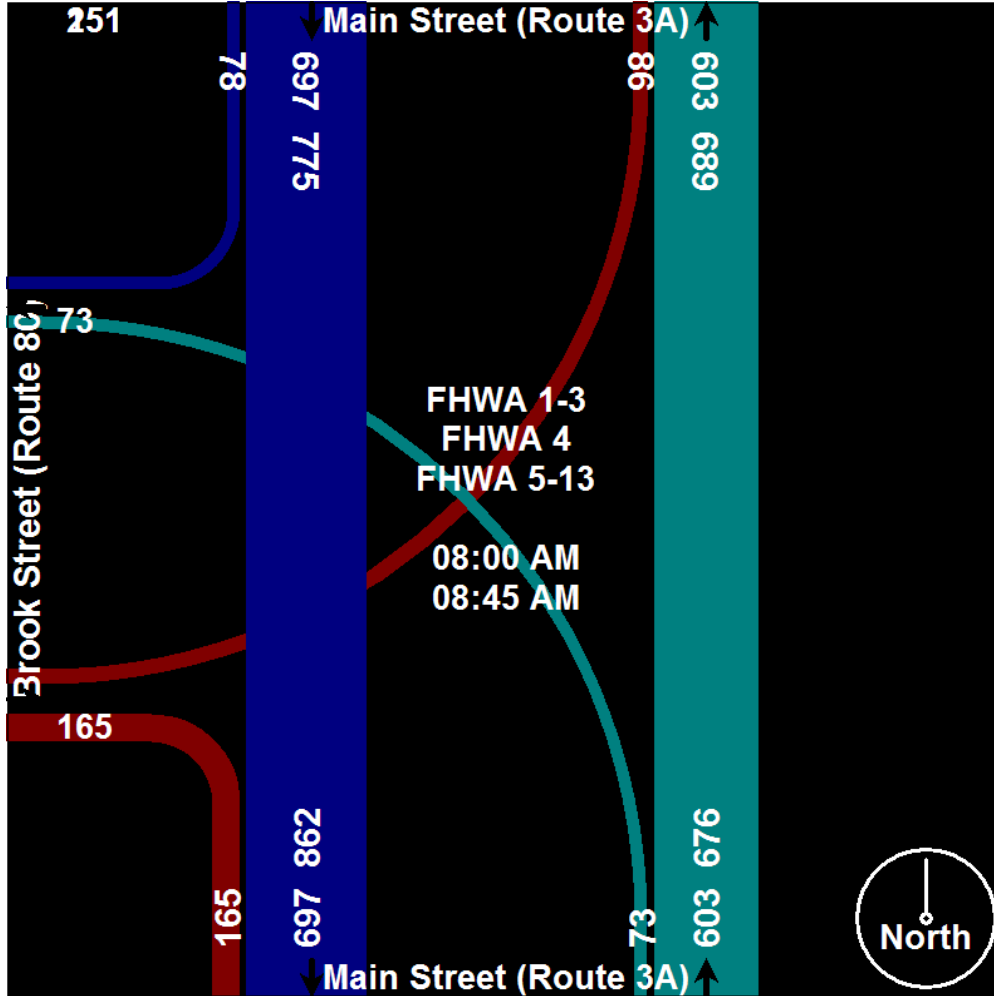




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 5



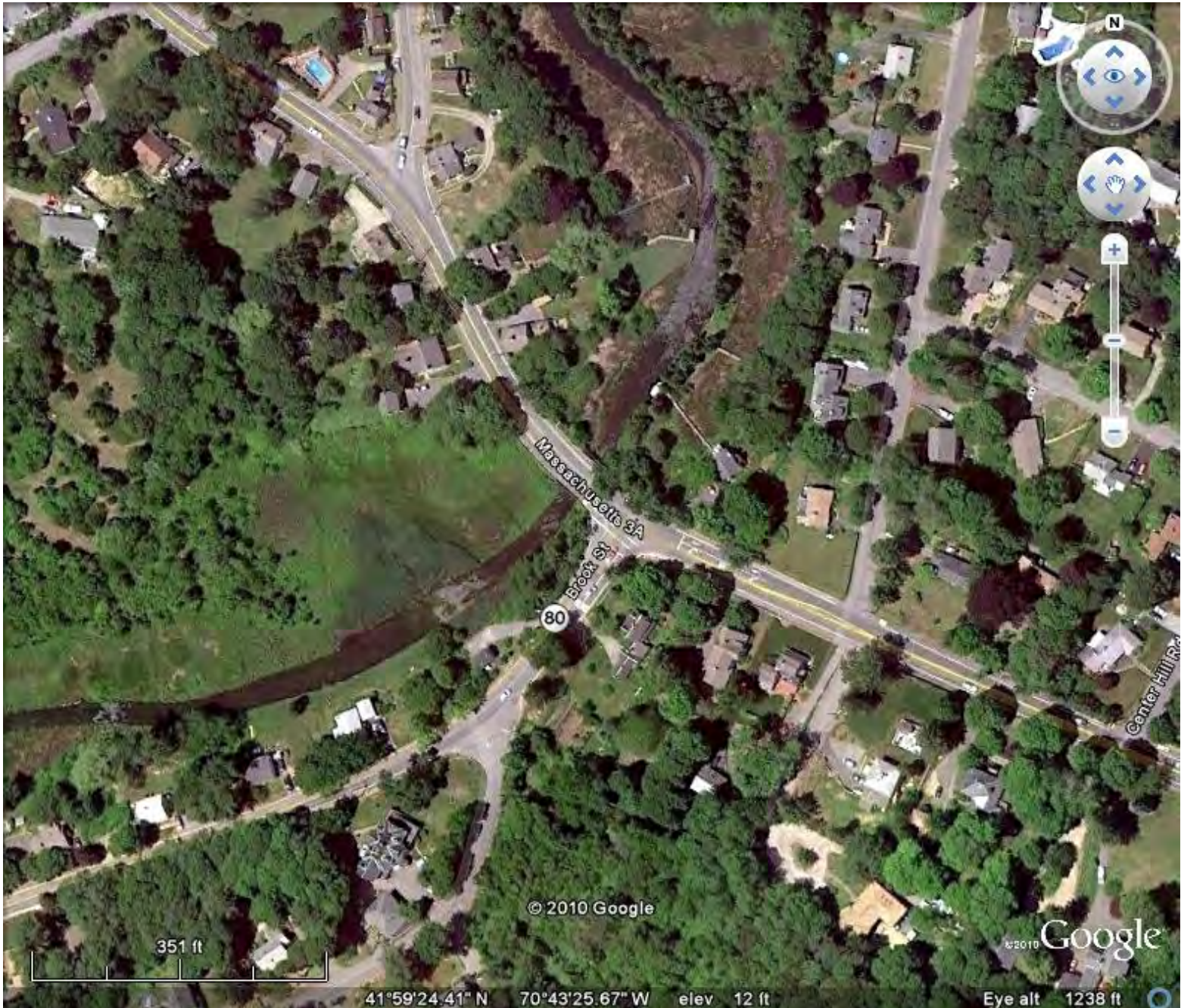


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

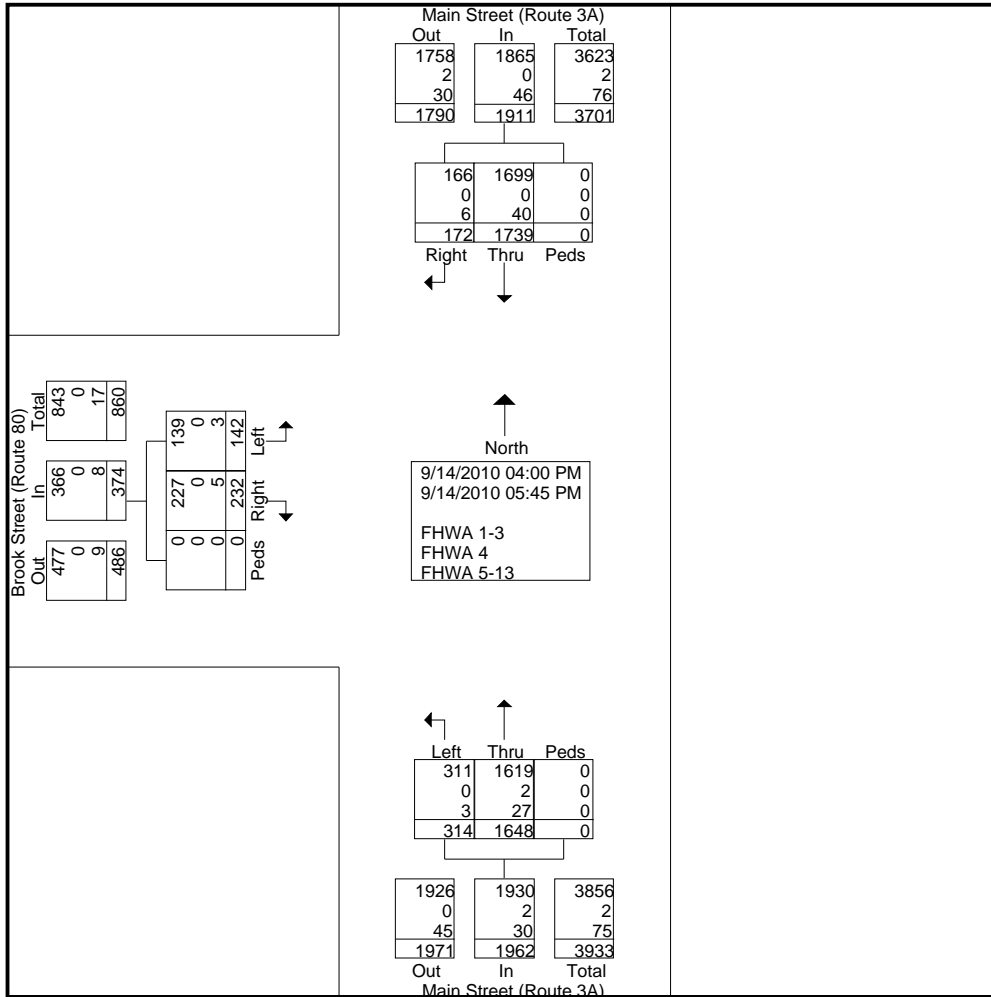
Start Time	Main Street (Route 3A) Southbound				Main Street (Route 3A) Northbound				Brook Street (Route 80) Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	182	14	0	196	31	192	0	223	15	20	0	35	454
04:15 PM	209	23	0	232	39	203	0	242	29	27	0	56	530
04:30 PM	226	24	0	250	34	207	0	241	13	32	0	45	536
04:45 PM	197	29	0	226	38	210	0	248	14	38	0	52	526
Total	814	90	0	904	142	812	0	954	71	117	0	188	2046
05:00 PM	197	20	0	217	36	232	0	268	25	29	0	54	539
05:15 PM	261	20	0	281	45	213	0	258	16	27	0	43	582
05:30 PM	247	20	0	267	40	214	0	254	13	29	0	42	563
05:45 PM	220	22	0	242	51	177	0	228	17	30	0	47	517
Total	925	82	0	1007	172	836	0	1008	71	115	0	186	2201
Grand Total	1739	172	0	1911	314	1648	0	1962	142	232	0	374	4247
Apprch %	91	9	0		16	84	0		38	62	0		
Total %	40.9	4	0	45	7.4	38.8	0	46.2	3.3	5.5	0	8.8	
FHWA 1-3	1699	166	0	1865	311	1619	0	1930	139	227	0	366	4161
% FHWA 1-3	97.7	96.5	0	97.6	99	98.2	0	98.4	97.9	97.8	0	97.9	98
FHWA 4	0	0	0	0	0	2	0	2	0	0	0	0	2
% FHWA 4	0	0	0	0	0	0.1	0	0.1	0	0	0	0	0
FHWA 5-13	40	6	0	46	3	27	0	30	3	5	0	8	84
% FHWA 5-13	2.3	3.5	0	2.4	1	1.6	0	1.5	2.1	2.2	0	2.1	2



Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

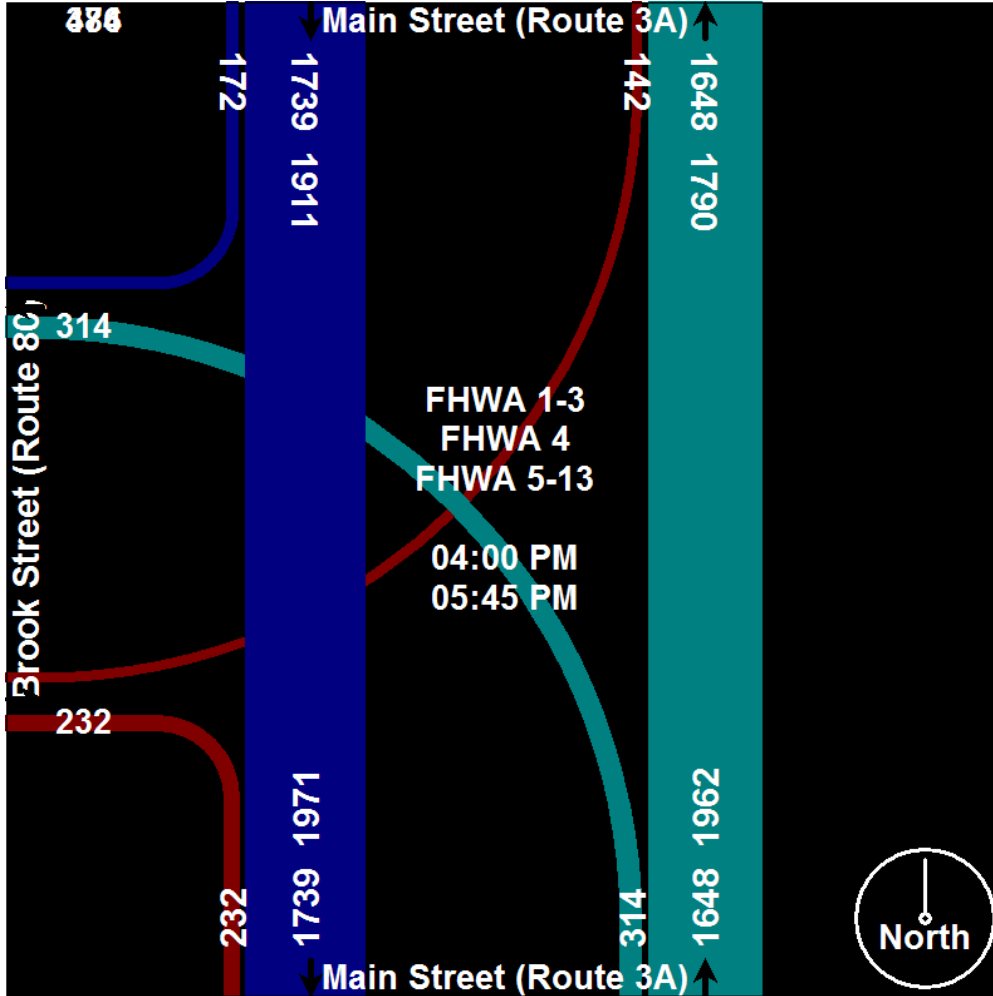




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



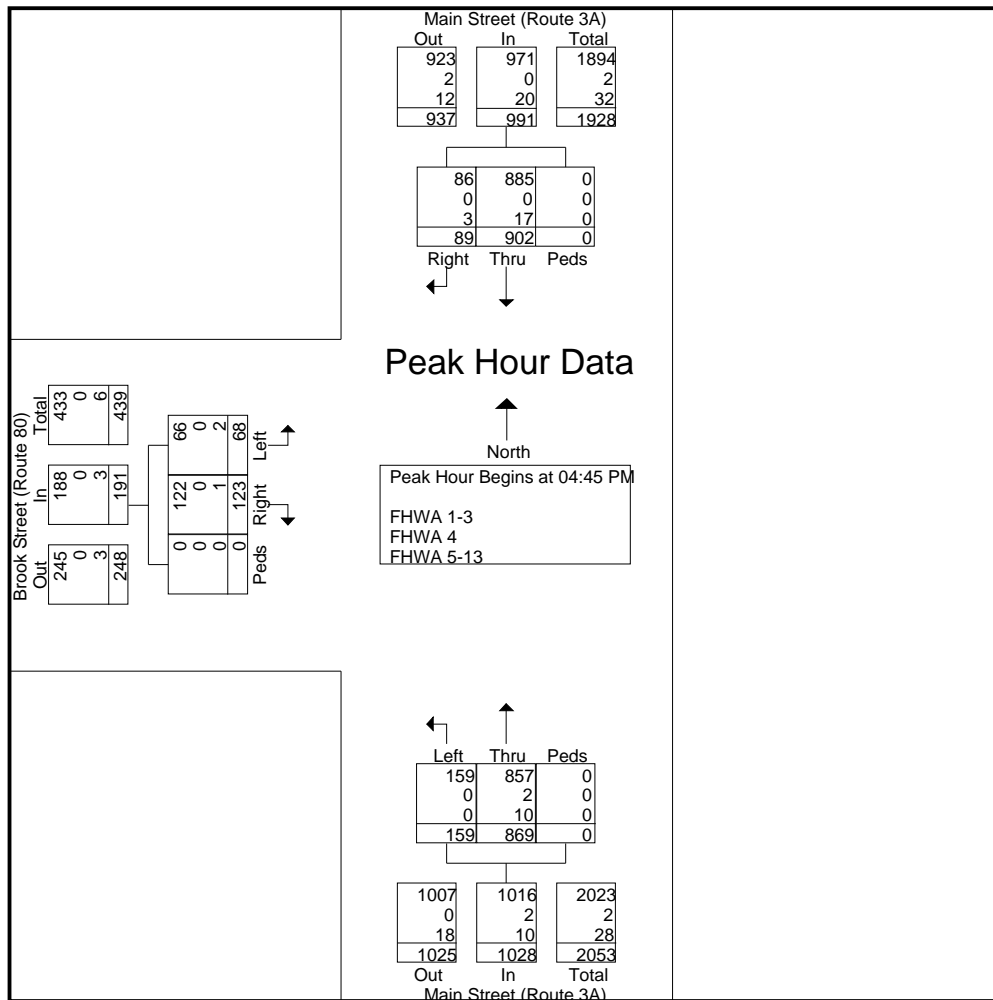


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 4

Start Time	Main Street (Route 3A) Southbound				Main Street (Route 3A) Northbound				Brook Street (Route 80) Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	197	29	0	226	38	210	0	248	14	38	0	52	526
05:00 PM	197	20	0	217	36	232	0	268	25	29	0	54	539
05:15 PM	261	20	0	281	45	213	0	258	16	27	0	43	582
05:30 PM	247	20	0	267	40	214	0	254	13	29	0	42	563
Total Volume	902	89	0	991	159	869	0	1028	68	123	0	191	2210
% App. Total	91	9	0		15.5	84.5	0		35.6	64.4	0		
PHF	.864	.767	.000	.882	.883	.936	.000	.959	.680	.809	.000	.884	.949
FHWA 1-3	885	86	0	971	159	857	0	1016	66	122	0	188	2175
% FHWA 1-3	98.1	96.6	0	98.0	100	98.6	0	98.8	97.1	99.2	0	98.4	98.4
FHWA 4	0	0	0	0	0	2	0	2	0	0	0	0	2
% FHWA 4	0	0	0	0	0	0.2	0	0.2	0	0	0	0	0.1
FHWA 5-13	17	3	0	20	0	10	0	10	2	1	0	3	33
% FHWA 5-13	1.9	3.4	0	2.0	0	1.2	0	1.0	2.9	0.8	0	1.6	1.5

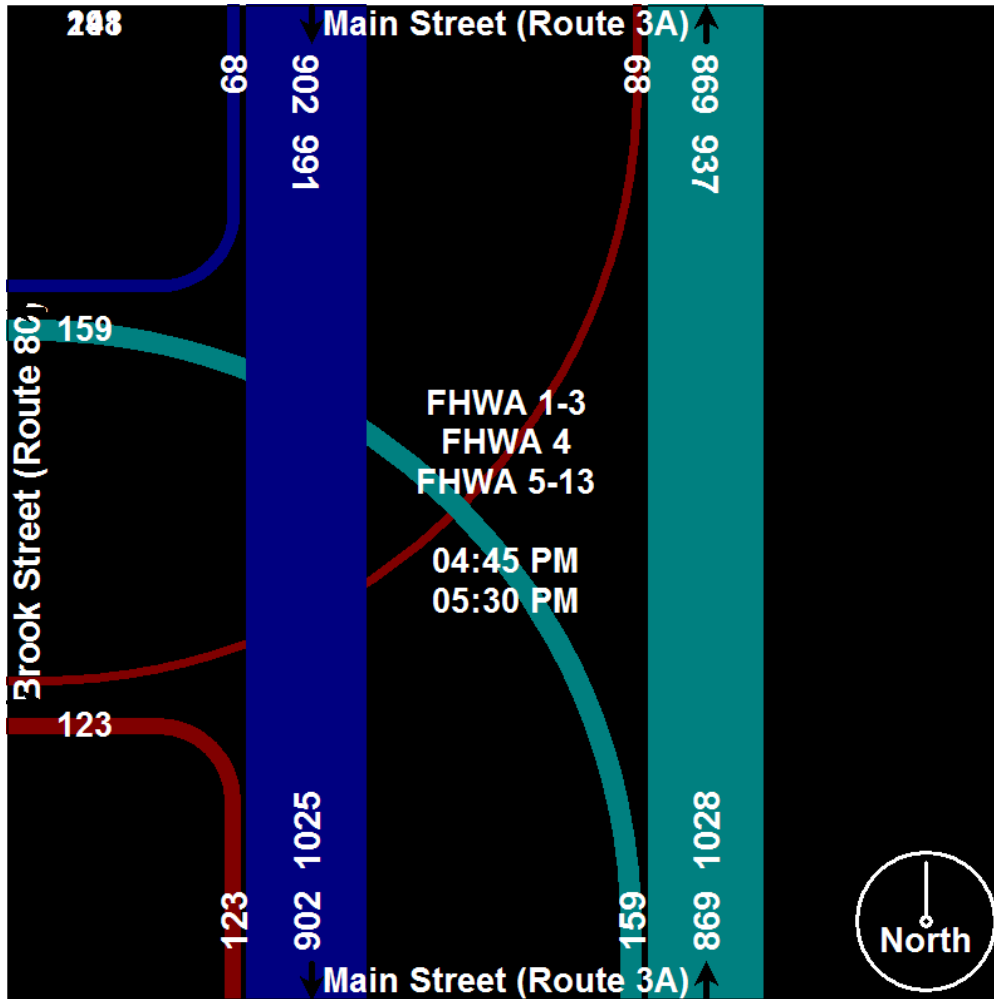




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 5



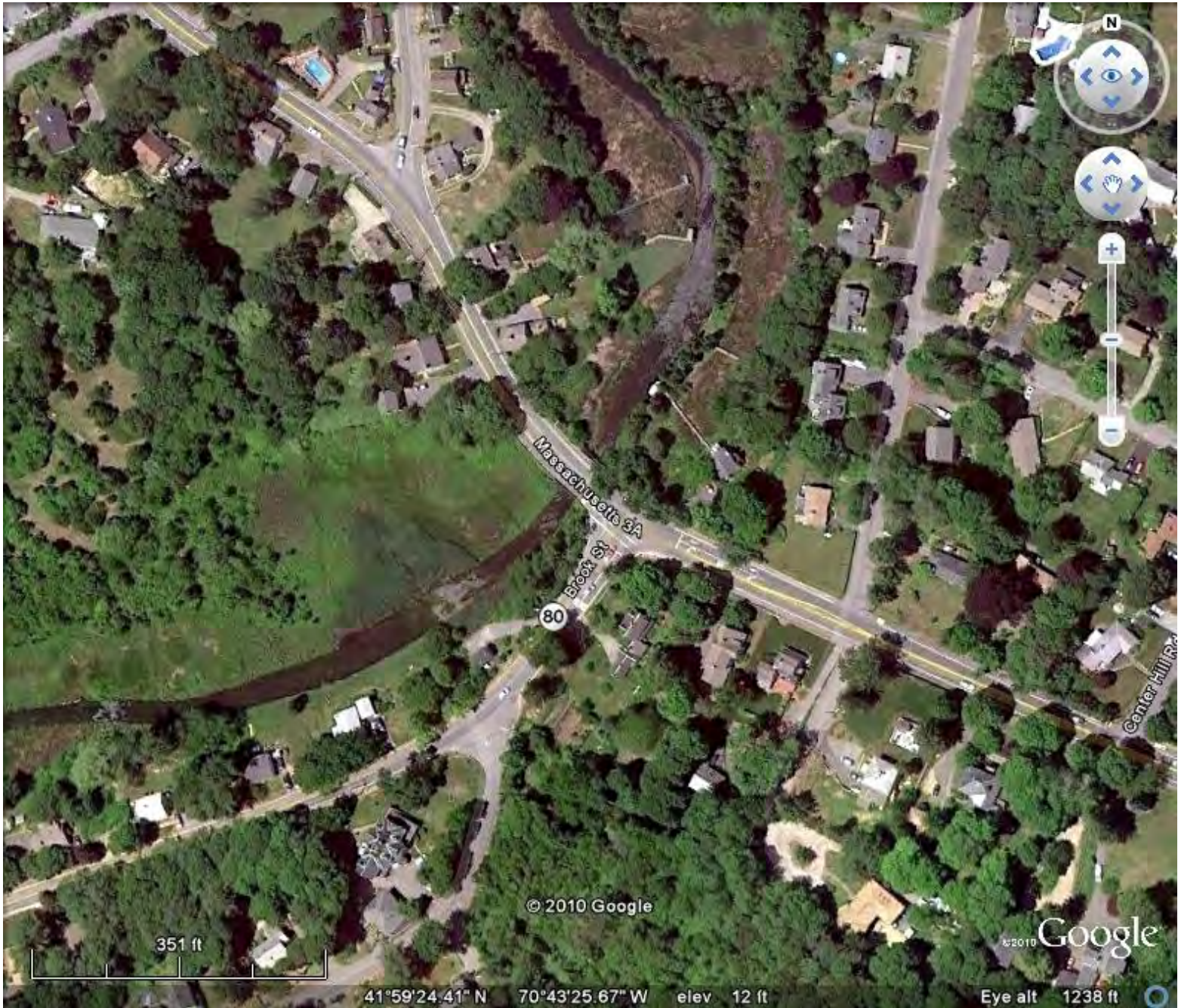


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Signal

File Name : 145_Main(3A)&Brook(80)_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

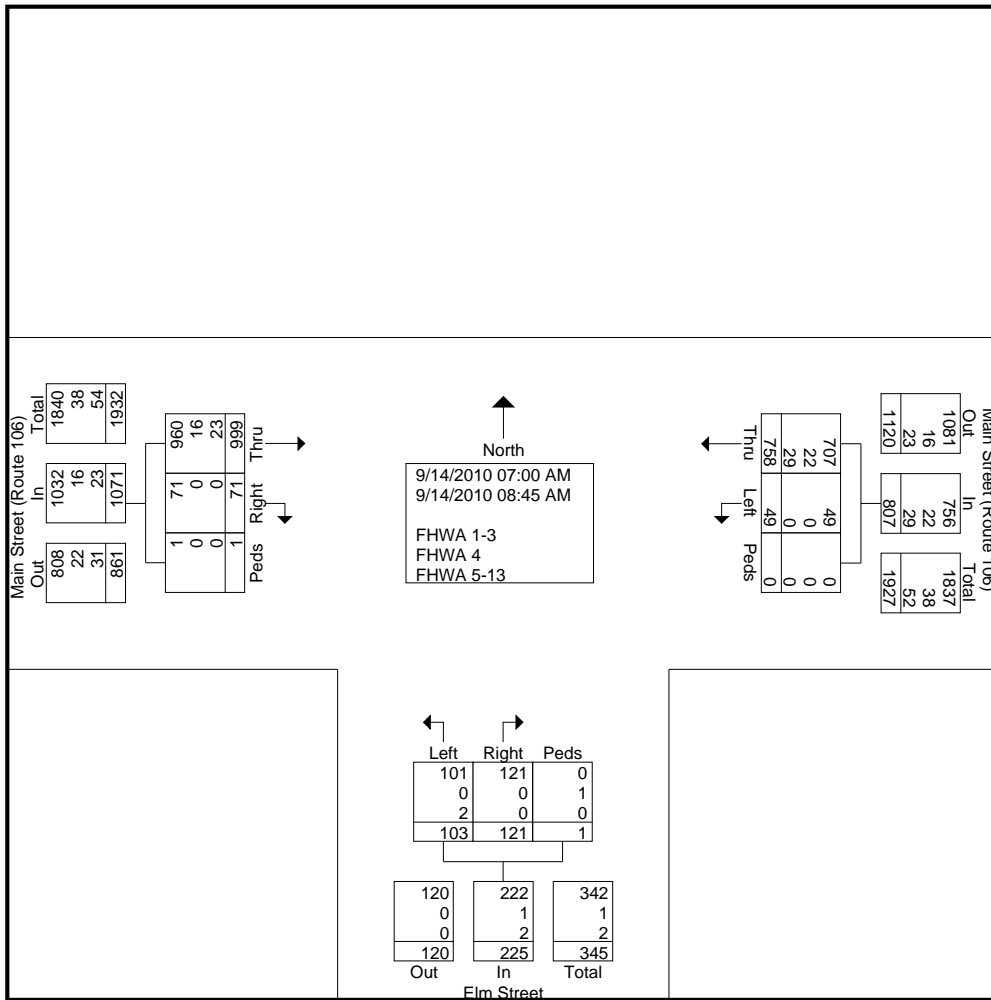
Start Time	Main Street (Route 106) Westbound				Elm Street Northbound				Main Street (Route 106) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	5	116	0	121	35	10	0	45	92	3	0	95	261
07:15 AM	6	110	0	116	12	18	0	30	126	19	0	145	291
07:30 AM	6	89	0	95	7	11	1	19	134	10	0	144	258
07:45 AM	8	84	0	92	10	16	0	26	143	7	0	150	268
Total	25	399	0	424	64	55	1	120	495	39	0	534	1078
08:00 AM	2	80	0	82	11	20	0	31	125	7	0	132	245
08:15 AM	6	91	0	97	12	14	0	26	128	15	0	143	266
08:30 AM	9	95	0	104	6	17	0	23	126	7	0	133	260
08:45 AM	7	93	0	100	10	15	0	25	125	3	1	129	254
Total	24	359	0	383	39	66	0	105	504	32	1	537	1025
Grand Total	49	758	0	807	103	121	1	225	999	71	1	1071	2103
Apprch %	6.1	93.9	0		45.8	53.8	0.4		93.3	6.6	0.1		
Total %	2.3	36	0	38.4	4.9	5.8	0	10.7	47.5	3.4	0	50.9	
FHWA 1-3	49	707	0	756	101	121	0	222	960	71	1	1032	2010
% FHWA 1-3	100	93.3	0	93.7	98.1	100	0	98.7	96.1	100	100	96.4	95.6
FHWA 4	0	22	0	22	0	0	1	1	16	0	0	16	39
% FHWA 4	0	2.9	0	2.7	0	0	100	0.4	1.6	0	0	1.5	1.9
FHWA 5-13	0	29	0	29	2	0	0	2	23	0	0	23	54
% FHWA 5-13	0	3.8	0	3.6	1.9	0	0	0.9	2.3	0	0	2.1	2.6



Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

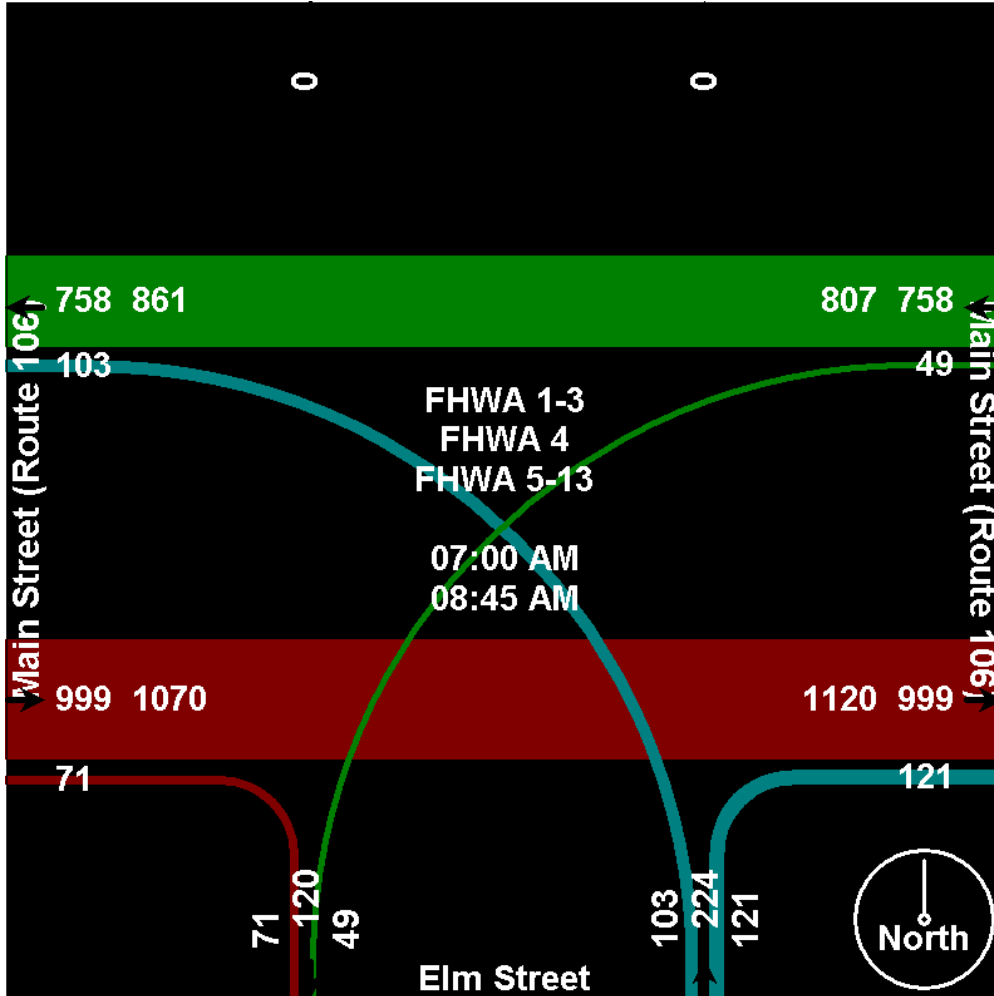




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



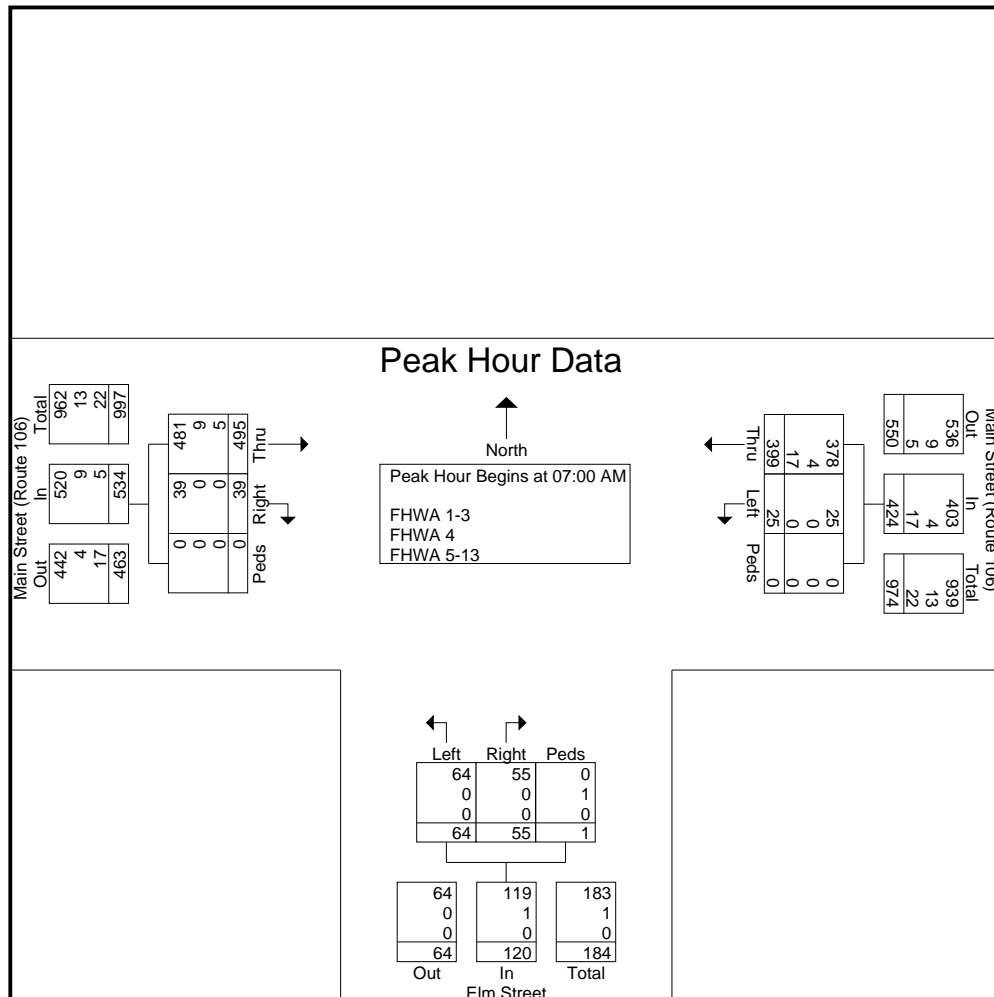


Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 4

Start Time	Main Street (Route 106) Westbound				Elm Street Northbound				Main Street (Route 106) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:00 AM													
07:00 AM	5	116	0	121	35	10	0	45	92	3	0	95	261
07:15 AM	6	110	0	116	12	18	0	30	126	19	0	145	291
07:30 AM	6	89	0	95	7	11	1	19	134	10	0	144	258
07:45 AM	8	84	0	92	10	16	0	26	143	7	0	150	268
Total Volume	25	399	0	424	64	55	1	120	495	39	0	534	1078
% App. Total	5.9	94.1	0		53.3	45.8	0.8		92.7	7.3	0		
PHF	.781	.860	.000	.876	.457	.764	.250	.667	.865	.513	.000	.890	.926
FHWA 1-3	25	378	0	403	64	55	0	119	481	39	0	520	1042
% FHWA 1-3	100	94.7	0	95.0	100	100	0	99.2	97.2	100	0	97.4	96.7
FHWA 4	0	4	0	4	0	0	1	1	9	0	0	9	14
% FHWA 4	0	1.0	0	0.9	0	0	100	0.8	1.8	0	0	1.7	1.3
FHWA 5-13	0	17	0	17	0	0	0	0	5	0	0	5	22
% FHWA 5-13	0	4.3	0	4.0	0	0	0	0	1.0	0	0	0.9	2.0

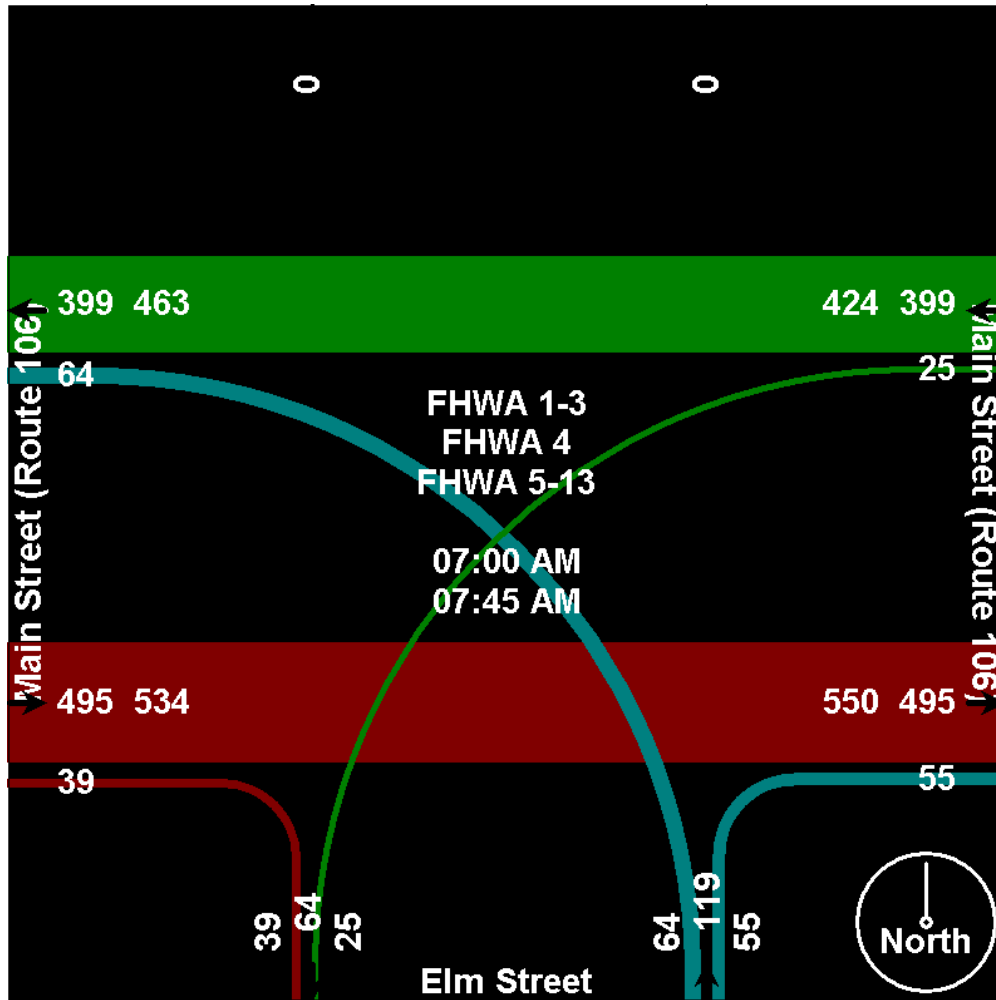




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_AM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

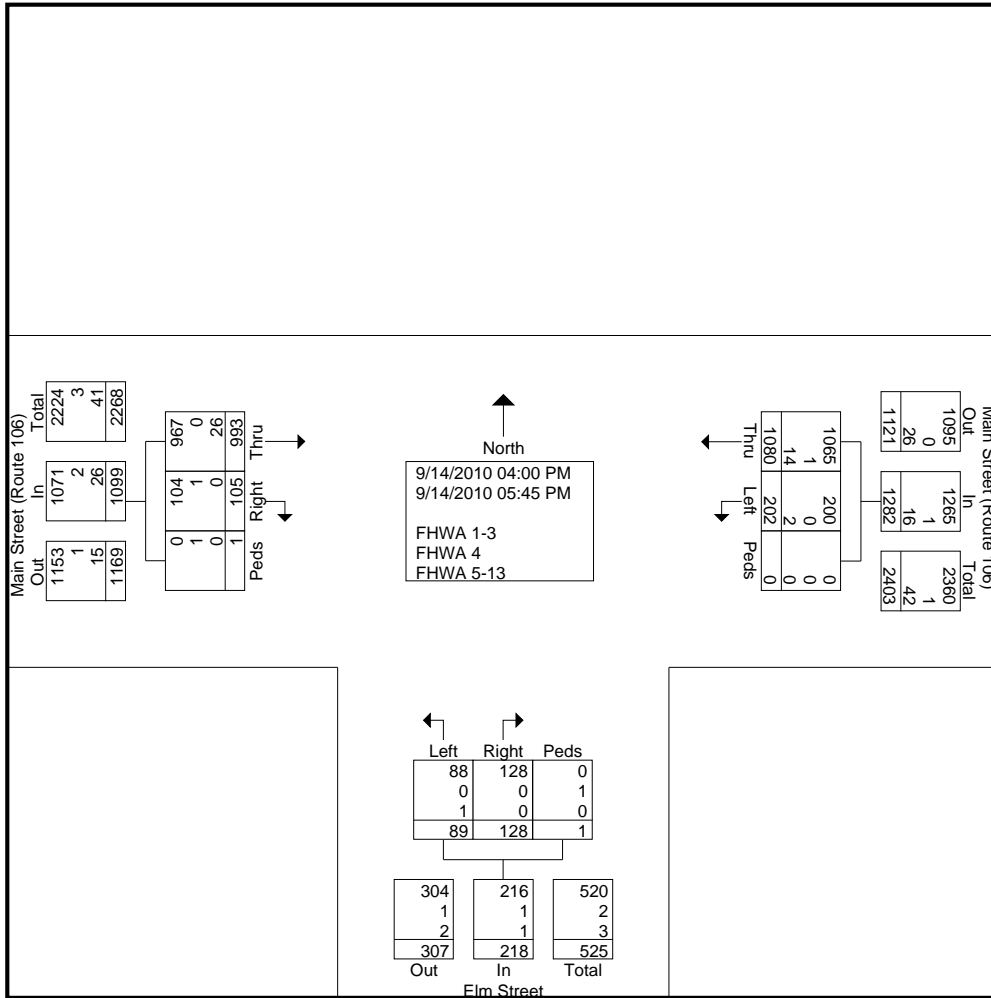
Start Time	Main Street (Route 106) Westbound				Elm Street Northbound				Main Street (Route 106) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	26	108	0	134	11	12	0	23	118	8	0	126	283
04:15 PM	26	121	0	147	16	18	0	34	132	12	0	144	325
04:30 PM	24	147	0	171	9	14	0	23	114	11	0	125	319
04:45 PM	21	139	0	160	15	28	0	43	121	15	0	136	339
Total	97	515	0	612	51	72	0	123	485	46	0	531	1266
05:00 PM	33	137	0	170	12	31	0	43	131	23	1	155	368
05:15 PM	29	164	0	193	11	13	0	24	130	13	0	143	360
05:30 PM	22	131	0	153	6	8	1	15	137	11	0	148	316
05:45 PM	21	133	0	154	9	4	0	13	110	12	0	122	289
Total	105	565	0	670	38	56	1	95	508	59	1	568	1333
Grand Total	202	1080	0	1282	89	128	1	218	993	105	1	1099	2599
Apprch %	15.8	84.2	0		40.8	58.7	0.5		90.4	9.6	0.1		
Total %	7.8	41.6	0	49.3	3.4	4.9	0	8.4	38.2	4	0	42.3	
FHWA 1-3	200	1065	0	1265	88	128	0	216	967	104	0	1071	2552
% FHWA 1-3	99	98.6	0	98.7	98.9	100	0	99.1	97.4	99	0	97.5	98.2
FHWA 4	0	1	0	1	0	0	1	1	0	1	1	2	4
% FHWA 4	0	0.1	0	0.1	0	0	100	0.5	0	1	100	0.2	0.2
FHWA 5-13	2	14	0	16	1	0	0	1	26	0	0	26	43
% FHWA 5-13	1	1.3	0	1.2	1.1	0	0	0.5	2.6	0	0	2.4	1.7



Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 2

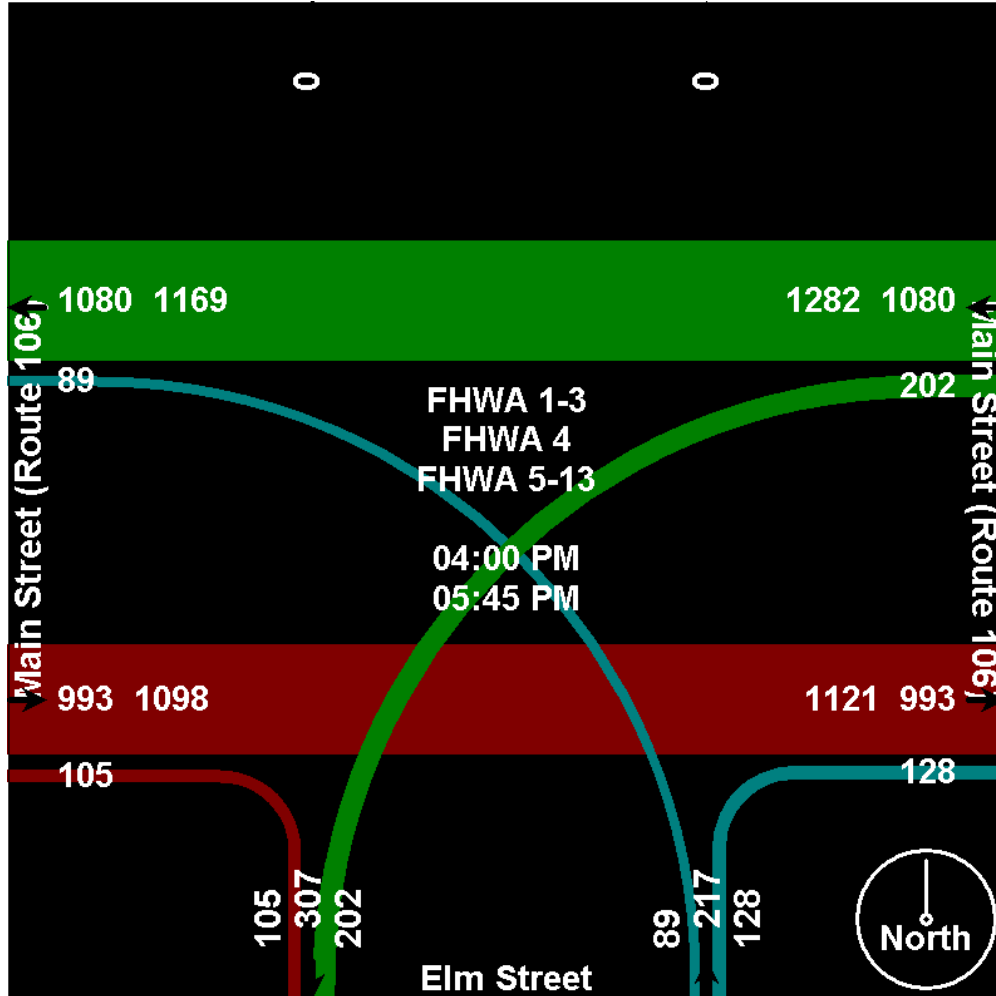




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 3



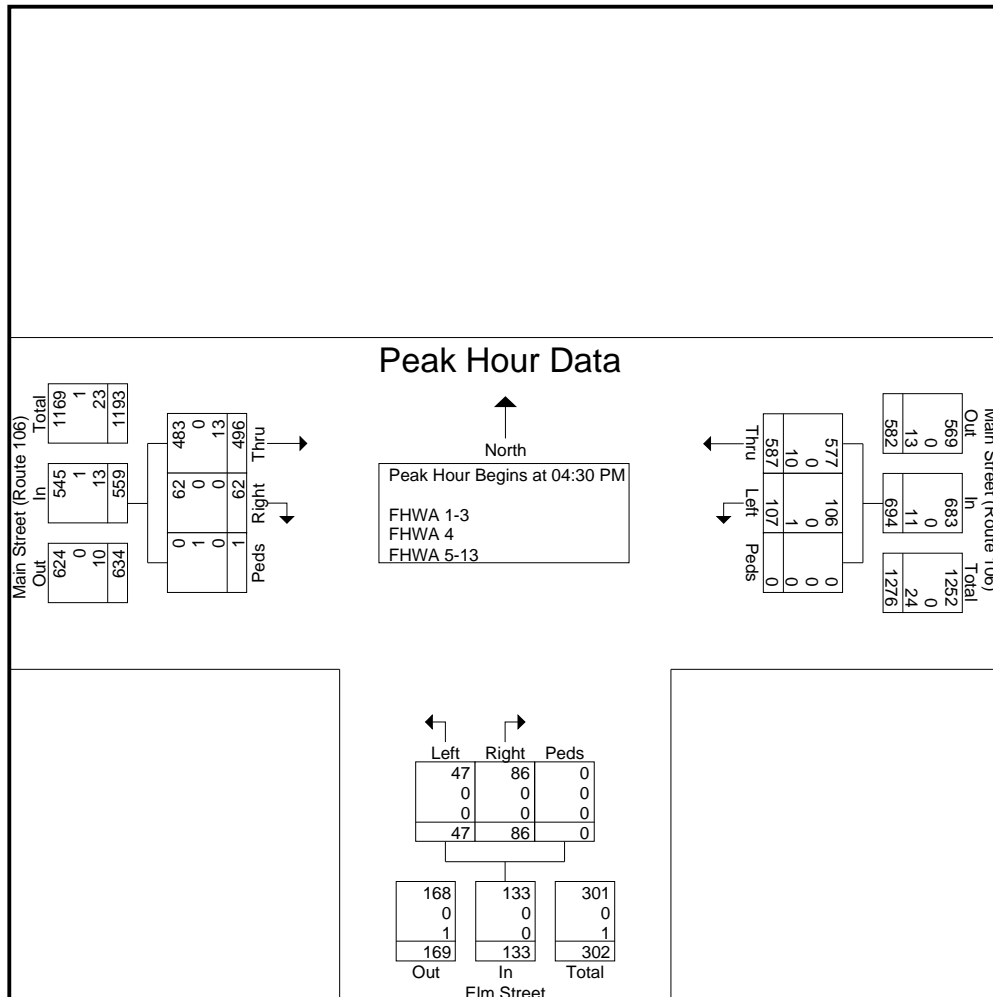


Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: DB-400 (4) & KM
 Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
 Site Code : 145
 Start Date : 9/14/2010
 Page No : 4

Start Time	Main Street (Route 106) Westbound				Elm Street Northbound				Main Street (Route 106) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	24	147	0	171	9	14	0	23	114	11	0	125	319
04:45 PM	21	139	0	160	15	28	0	43	121	15	0	136	339
05:00 PM	33	137	0	170	12	31	0	43	131	23	1	155	368
05:15 PM	29	164	0	193	11	13	0	24	130	13	0	143	360
Total Volume	107	587	0	694	47	86	0	133	496	62	1	559	1386
% App. Total	15.4	84.6	0		35.3	64.7	0		88.7	11.1	0.2		
PHF	.811	.895	.000	.899	.783	.694	.000	.773	.947	.674	.250	.902	.942
FHWA 1-3	106	577	0	683	47	86	0	133	483	62	0	545	1361
% FHWA 1-3	99.1	98.3	0	98.4	100	100	0	100	97.4	100	0	97.5	98.2
FHWA 4	0	0	0	0	0	0	0	0	0	0	1	1	1
% FHWA 4	0	0	0	0	0	0	0	0	0	0	100	0.2	0.1
FHWA 5-13	1	10	0	11	0	0	0	0	13	0	0	13	24
% FHWA 5-13	0.9	1.7	0	1.6	0	0	0	0	2.6	0	0	2.3	1.7

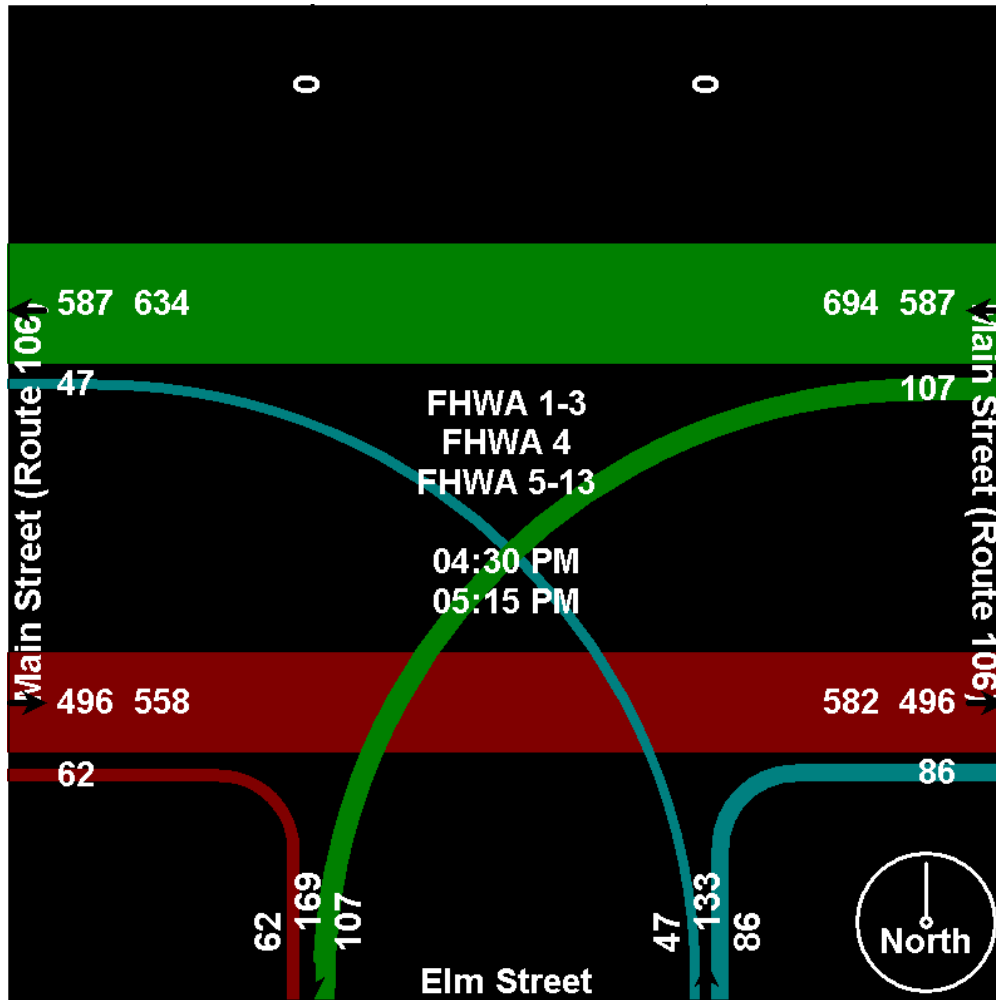




Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: DB-400 (4) & KM
Traffic Control: One Way Stop

File Name : 145_Main(106)&Elm_PM
Site Code : 145
Start Date : 9/14/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_AM
 Site Code : 145
 Start Date : 9/15/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

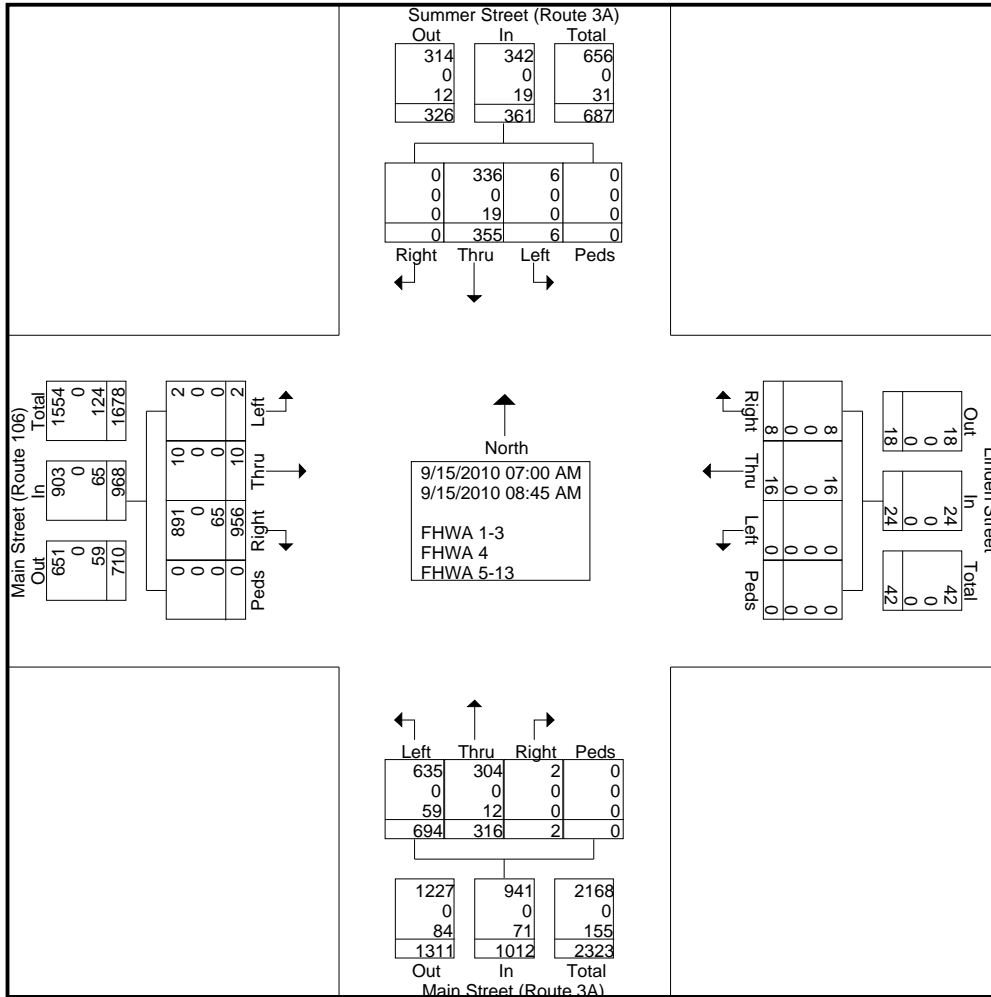
Start Time	Summer Street (Route 3A) Southbound					Linden Street Westbound					Main Street (Route 3A) Northbound					Main Street (Route 106) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	33	0	0	33	0	3	2	0	5	90	29	0	0	119	0	2	84	0	86	243
07:15 AM	0	34	0	0	34	0	1	0	0	1	93	22	0	0	115	0	3	113	0	116	266
07:30 AM	0	26	0	0	26	0	2	1	0	3	79	27	1	0	107	0	0	119	0	119	255
07:45 AM	2	51	0	0	53	0	3	1	0	4	83	40	0	0	123	0	2	132	0	134	314
Total	2	144	0	0	146	0	9	4	0	13	345	118	1	0	464	0	7	448	0	455	1078
08:00 AM	0	52	0	0	52	0	1	1	0	2	80	45	0	0	125	1	1	133	0	135	314
08:15 AM	2	47	0	0	49	0	1	1	0	2	107	58	0	0	165	0	0	142	0	142	358
08:30 AM	1	46	0	0	47	0	3	0	0	3	89	55	1	0	145	0	0	105	0	105	300
08:45 AM	1	66	0	0	67	0	2	2	0	4	73	40	0	0	113	1	2	128	0	131	315
Total	4	211	0	0	215	0	7	4	0	11	349	198	1	0	548	2	3	508	0	513	1287
Grand Total	6	355	0	0	361	0	16	8	0	24	694	316	2	0	1012	2	10	956	0	968	2365
Apprch %	1.7	98.3	0	0		0	66.7	33.3	0		68.6	31.2	0.2	0		0.2	1	98.8	0		
Total %	0.3	15	0	0	15.3	0	0.7	0.3	0	1	29.3	13.4	0.1	0	42.8	0.1	0.4	40.4	0	40.9	
FHWA 1-3	6	336	0	0	342	0	16	8	0	24	635	304	2	0	941	2	10	891	0	903	2210
% FHWA 1-3	100	94.6	0	0	94.7	0	100	100	0	100	91.5	96.2	100	0	93	100	100	93.2	0	93.3	93.4
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA 5-13	0	19	0	0	19	0	0	0	0	0	59	12	0	0	71	0	0	65	0	65	155
% FHWA 5-13	0	5.4	0	0	5.3	0	0	0	0	0	8.5	3.8	0	0	7	0	0	6.8	0	6.7	6.6



Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_AM
 Site Code : 145
 Start Date : 9/15/2010
 Page No : 2

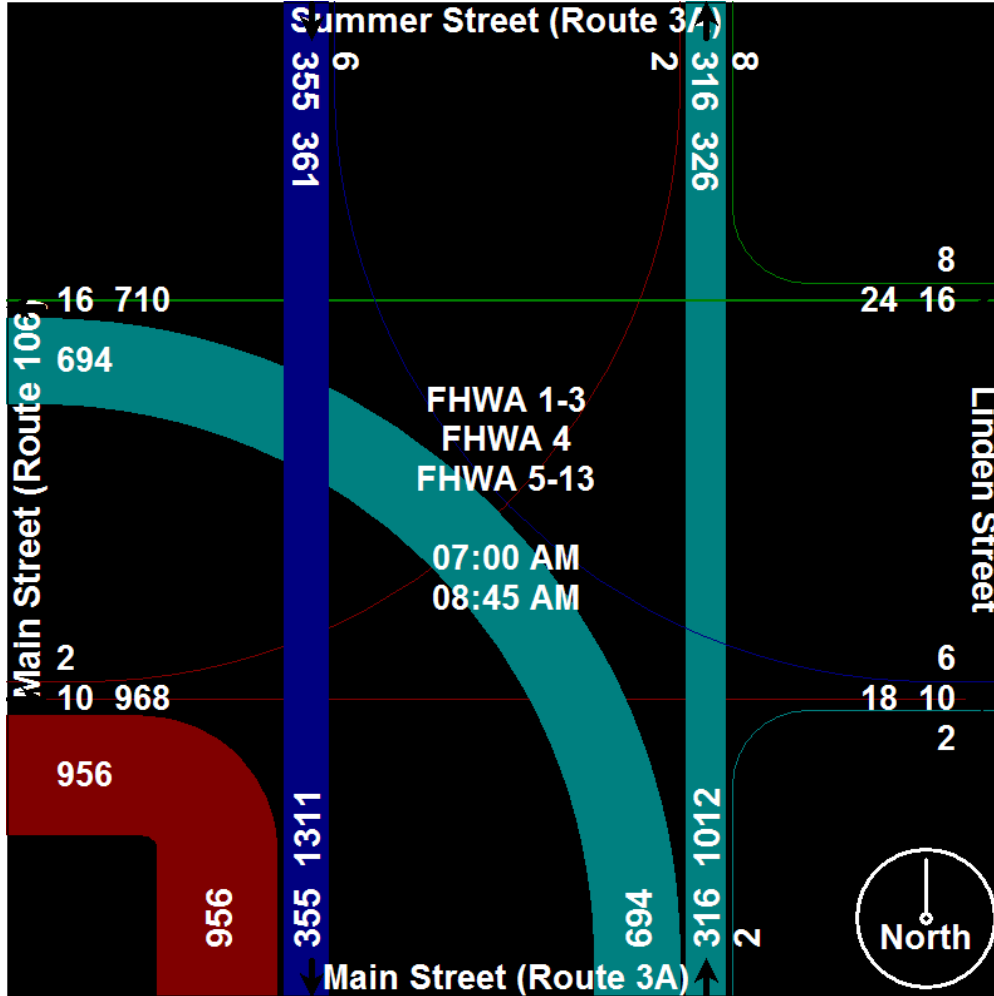




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_AM
Site Code : 145
Start Date : 9/15/2010
Page No : 3



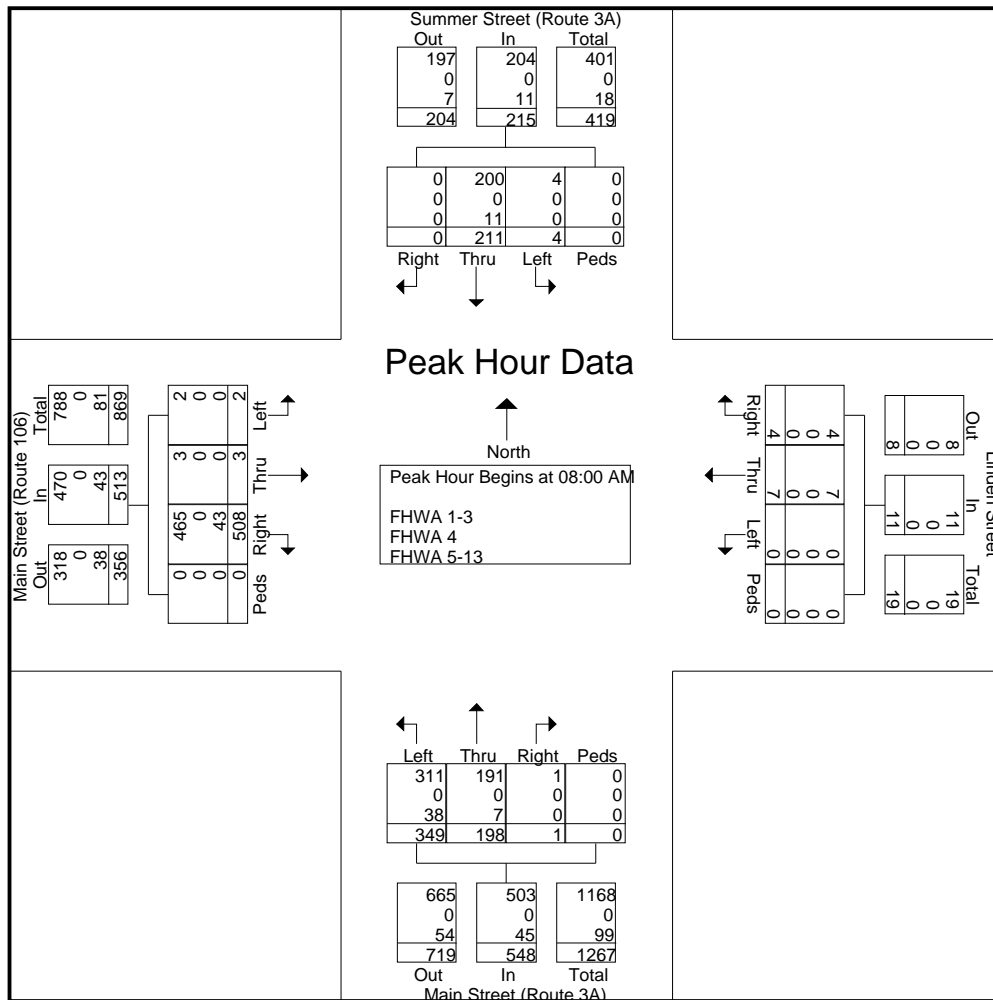


Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_AM
 Site Code : 145
 Start Date : 9/15/2010
 Page No : 4

Start Time	Summer Street (Route 3A) Southbound					Linden Street Westbound					Main Street (Route 3A) Northbound					Main Street (Route 106) Eastbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 08:00 AM																						
08:00 AM	0	52	0	0	52	0	1	1	0	2	80	45	0	0	125	1	1	133	0	135	314	
08:15 AM	2	47	0	0	49	0	1	1	0	2	107	58	0	0	165	0	0	142	0	142	358	
08:30 AM	1	46	0	0	47	0	3	0	0	3	89	55	1	0	145	0	0	105	0	105	300	
08:45 AM	1	66	0	0	67	0	2	2	0	4	73	40	0	0	113	1	2	128	0	131	315	
Total Volume	4	211	0	0	215	0	7	4	0	11	349	198	1	0	548	2	3	508	0	513	1287	
% App. Total	1.9	98.1	0	0		0	63.6	36.4	0		63.7	36.1	0.2	0		0.4	0.6	99	0			
PHF	.500	.799	.000	.000	.802	.000	.583	.500	.000	.688	.815	.853	.250	.000	.830	.500	.375	.894	.000	.903	.899	
FHWA 1-3	4	200	0	0	204	0	7	4	0	11	311	191	1	0	503	2	3	465	0	470	1188	
% FHWA 1-3	100	94.8	0	0	94.9	0	100	100	0	100	89.1	96.5	100	0	91.8	100	100	91.5	0	91.6	92.3	
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FHWA 5-13	0	11	0	0	11	0	0	0	0	0	38	7	0	0	45	0	0	43	0	43	99	
% FHWA 5-13	0	5.2	0	0	5.1	0	0	0	0	0	10.9	3.5	0	0	8.2	0	0	8.5	0	8.4	7.7	

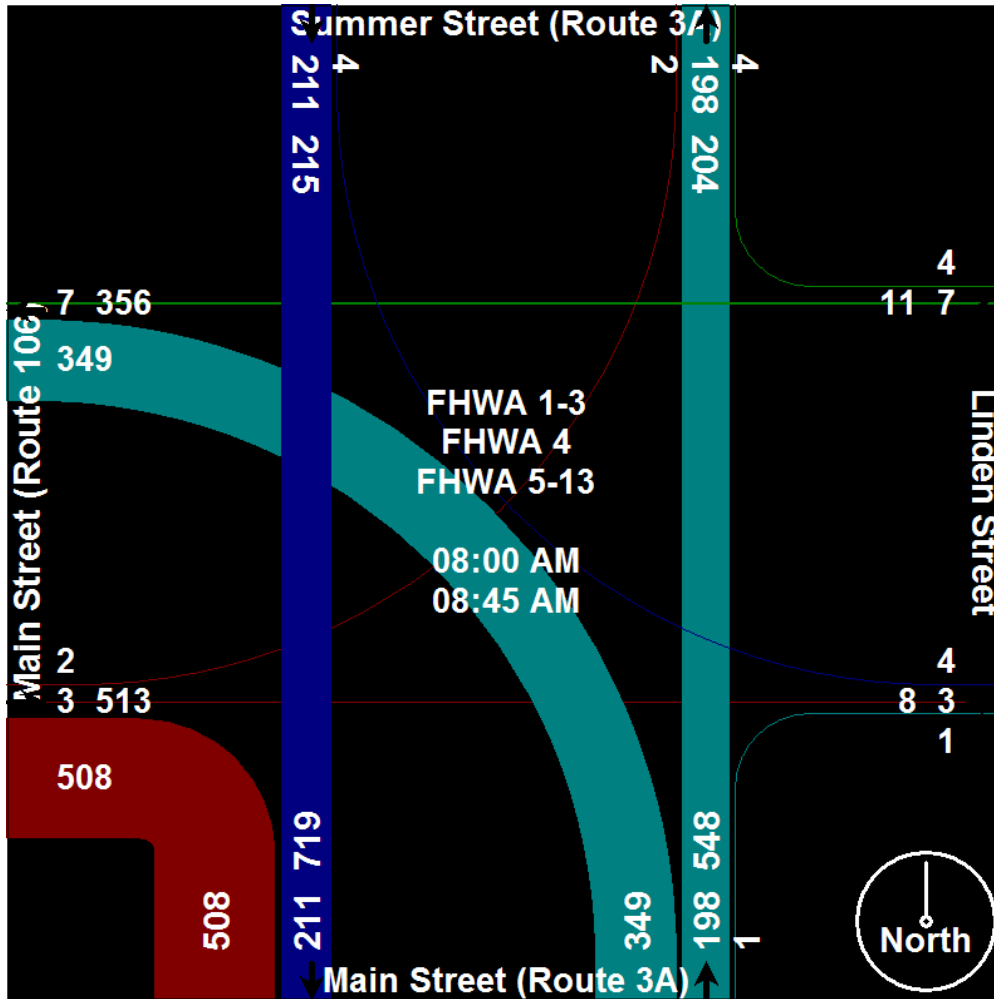




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

File Name : 145_Summer(3A)&Main(106)_AM
Site Code : 145
Start Date : 9/15/2010
Page No : 5

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon



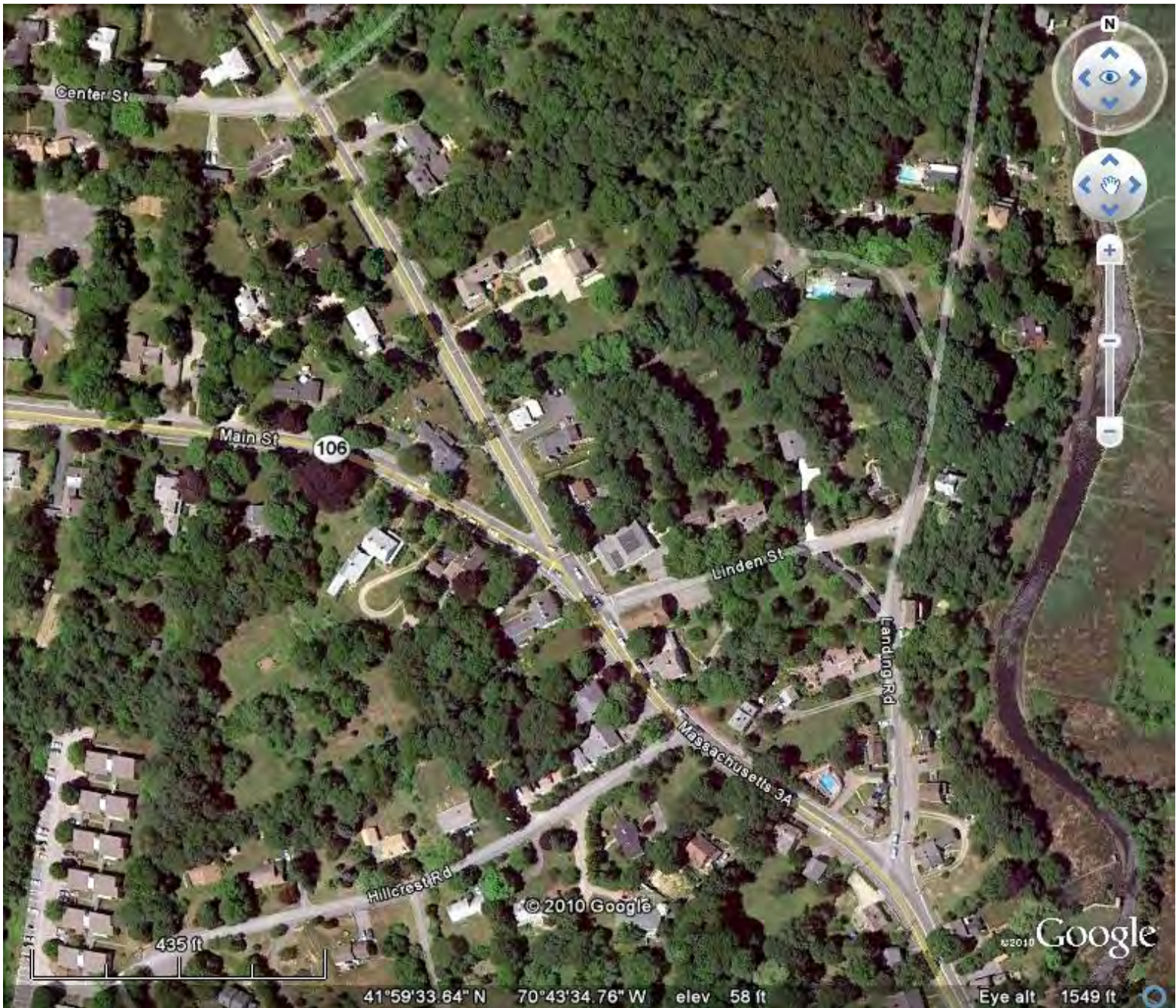


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_AM
Site Code : 145
Start Date : 9/15/2010
Page No : 6

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_PM
 Site Code : 145
 Start Date : 9/15/2010
 Page No : 1

Groups Printed- 3 - FHWA 4 - 13

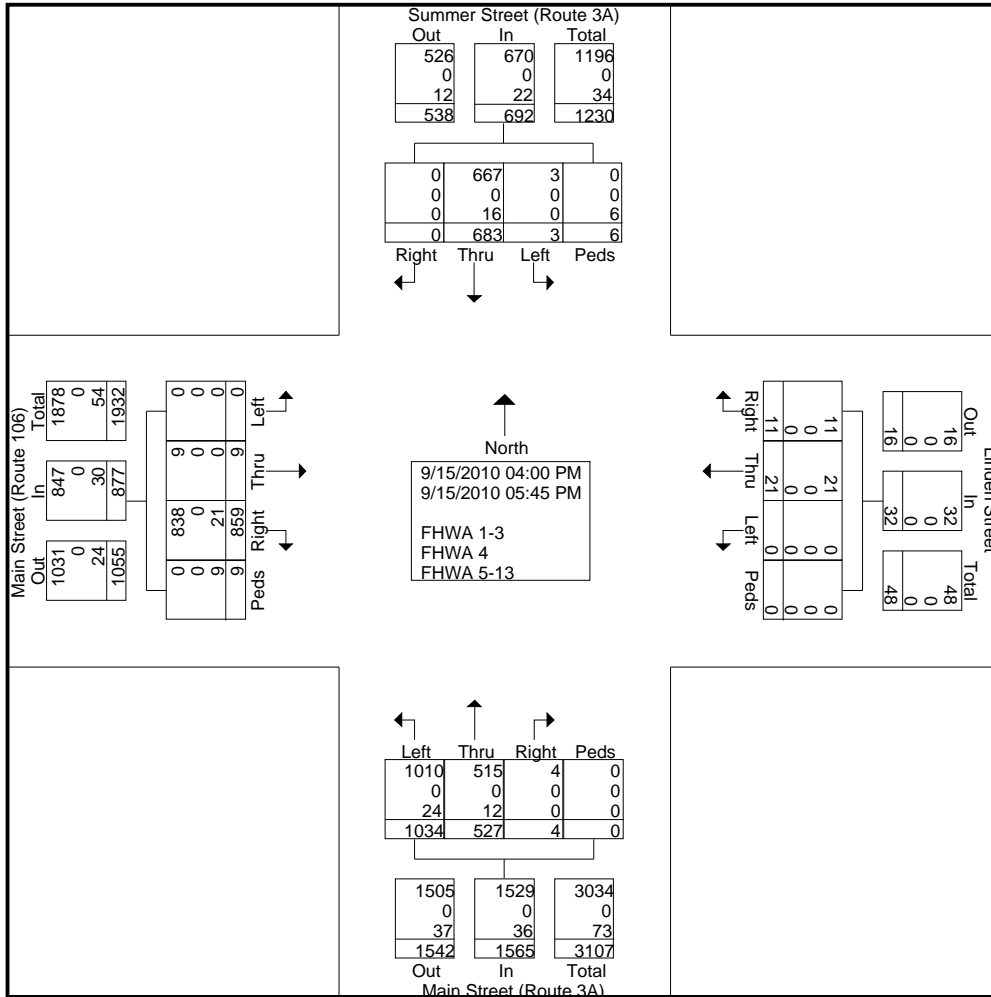
Start Time	Summer Street (Route 3A) Southbound					Linden Street Westbound					Main Street (Route 3A) Northbound					Main Street (Route 106) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	1	90	0	0	91	0	2	3	0	5	141	67	0	0	208	0	0	104	0	104	408
04:15 PM	0	87	0	0	87	0	2	2	0	4	146	68	0	0	214	0	2	95	0	97	402
04:30 PM	0	65	0	0	65	0	2	2	0	4	129	72	0	0	201	0	2	115	0	117	387
04:45 PM	1	99	0	6	106	0	2	0	0	2	112	71	0	0	183	0	3	111	6	120	411
Total	2	341	0	6	349	0	8	7	0	15	528	278	0	0	806	0	7	425	6	438	1608
05:00 PM	0	92	0	0	92	0	3	1	0	4	134	64	2	0	200	0	0	105	0	105	401
05:15 PM	1	87	0	0	88	0	3	1	0	4	122	69	2	0	193	0	2	89	3	94	379
05:30 PM	0	90	0	0	90	0	2	0	0	2	140	65	0	0	205	0	0	123	0	123	420
05:45 PM	0	73	0	0	73	0	5	2	0	7	110	51	0	0	161	0	0	117	0	117	358
Total	1	342	0	0	343	0	13	4	0	17	506	249	4	0	759	0	2	434	3	439	1558
Grand Total	3	683	0	6	692	0	21	11	0	32	1034	527	4	0	1565	0	9	859	9	877	3166
Apprch %	0.4	98.7	0	0.9		0	65.6	34.4	0		66.1	33.7	0.3	0		0	1	97.9	1		
Total %	0.1	21.6	0	0.2	21.9	0	0.7	0.3	0	1	32.7	16.6	0.1	0	49.4	0	0.3	27.1	0.3	27.7	
FHWA 1-3	3	667	0	0	670	0	21	11	0	32	1010	515	4	0	1529	0	9	838	0	847	3078
% FHWA 1-3	100	97.7	0	0	96.8	0	100	100	0	100	97.7	97.7	100	0	97.7	0	100	97.6	0	96.6	97.2
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA 5-13	0	16	0	6	22	0	0	0	0	0	24	12	0	0	36	0	0	21	9	30	88
% FHWA 5-13	0	2.3	0	100	3.2	0	0	0	0	0	2.3	2.3	0	0	2.3	0	0	2.4	100	3.4	2.8



Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
 Weather: Clear
 Board # & Staff: TDC-8 (2) & AV
 Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_PM
 Site Code : 145
 Start Date : 9/15/2010
 Page No : 2

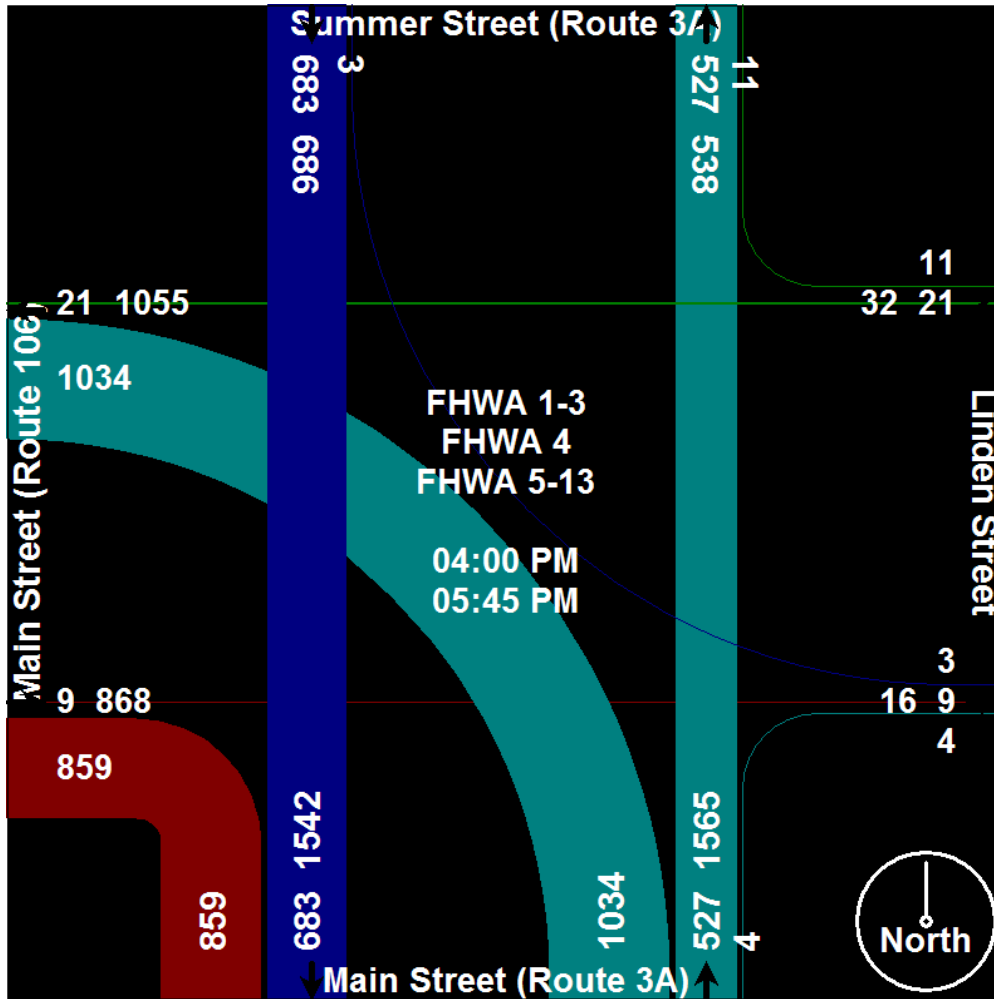




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_PM
Site Code : 145
Start Date : 9/15/2010
Page No : 3



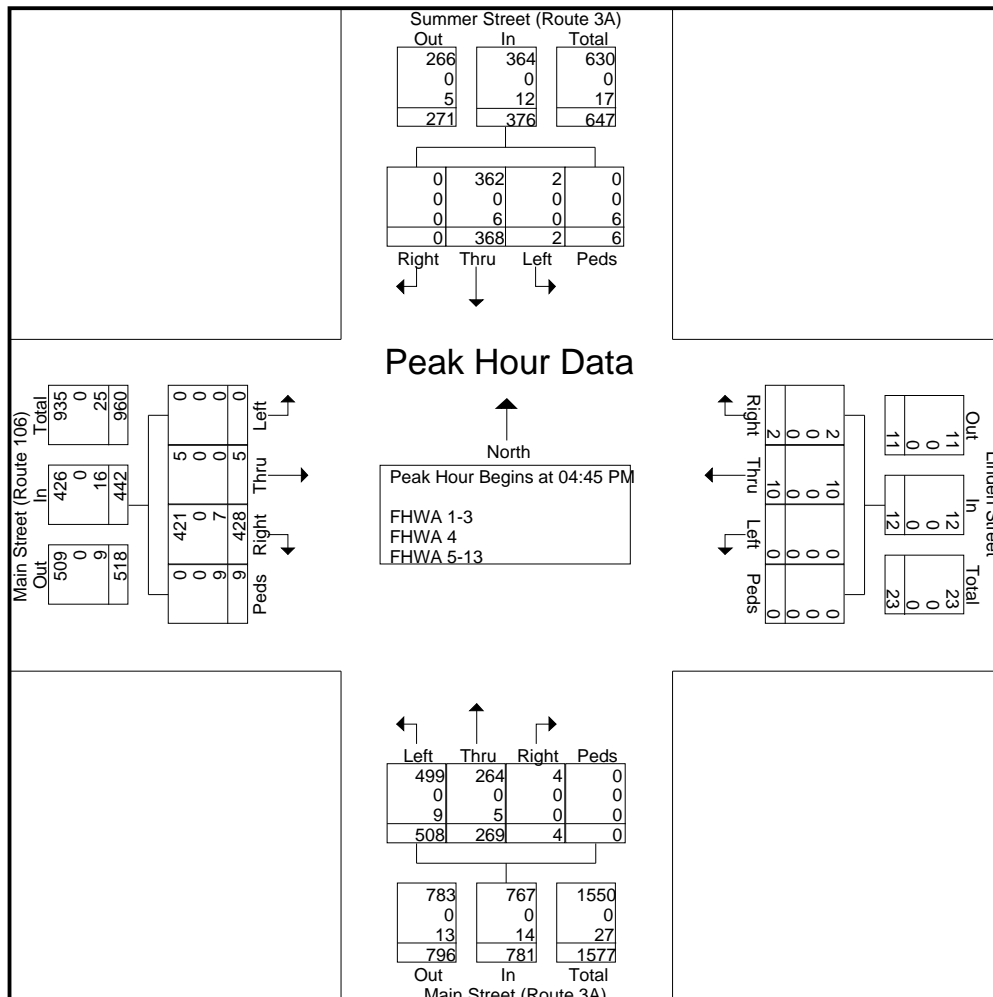


Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon

File Name : 145_Summer(3A)&Main(106)_PM
Site Code : 145
Start Date : 9/15/2010
Page No : 4

Start Time	Summer Street (Route 3A) Southbound					Linden Street Westbound					Main Street (Route 3A) Northbound					Main Street (Route 106) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	1	99	0	6	106	0	2	0	0	2	112	71	0	0	183	0	3	111	6	120	411
05:00 PM	0	92	0	0	92	0	3	1	0	4	134	64	2	0	200	0	0	105	0	105	401
05:15 PM	1	87	0	0	88	0	3	1	0	4	122	69	2	0	193	0	2	89	3	94	379
05:30 PM	0	90	0	0	90	0	2	0	0	2	140	65	0	0	205	0	0	123	0	123	420
Total Volume	2	368	0	6	376	0	10	2	0	12	508	269	4	0	781	0	5	428	9	442	1611
% App. Total	0.5	97.9	0	1.6		0	83.3	16.7	0		65	34.4	0.5	0		0	1.1	96.8	2		
PHF	.500	.929	.000	.250	.887	.000	.833	.500	.000	.750	.907	.947	.500	.000	.952	.000	.417	.870	.375	.898	.959
FHWA 1-3	2	362	0	0	364	0	10	2	0	12	499	264	4	0	767	0	5	421	0	426	1569
% FHWA 1-3	100	98.4	0	0	96.8	0	100	100	0	100	98.2	98.1	100	0	98.2	0	100	98.4	0	96.4	97.4
FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA 5-13	0	6	0	6	12	0	0	0	0	0	9	5	0	0	14	0	0	7	9	16	42
% FHWA 5-13	0	1.6	0	100	3.2	0	0	0	0	0	1.8	1.9	0	0	1.8	0	0	1.6	100	3.6	2.6

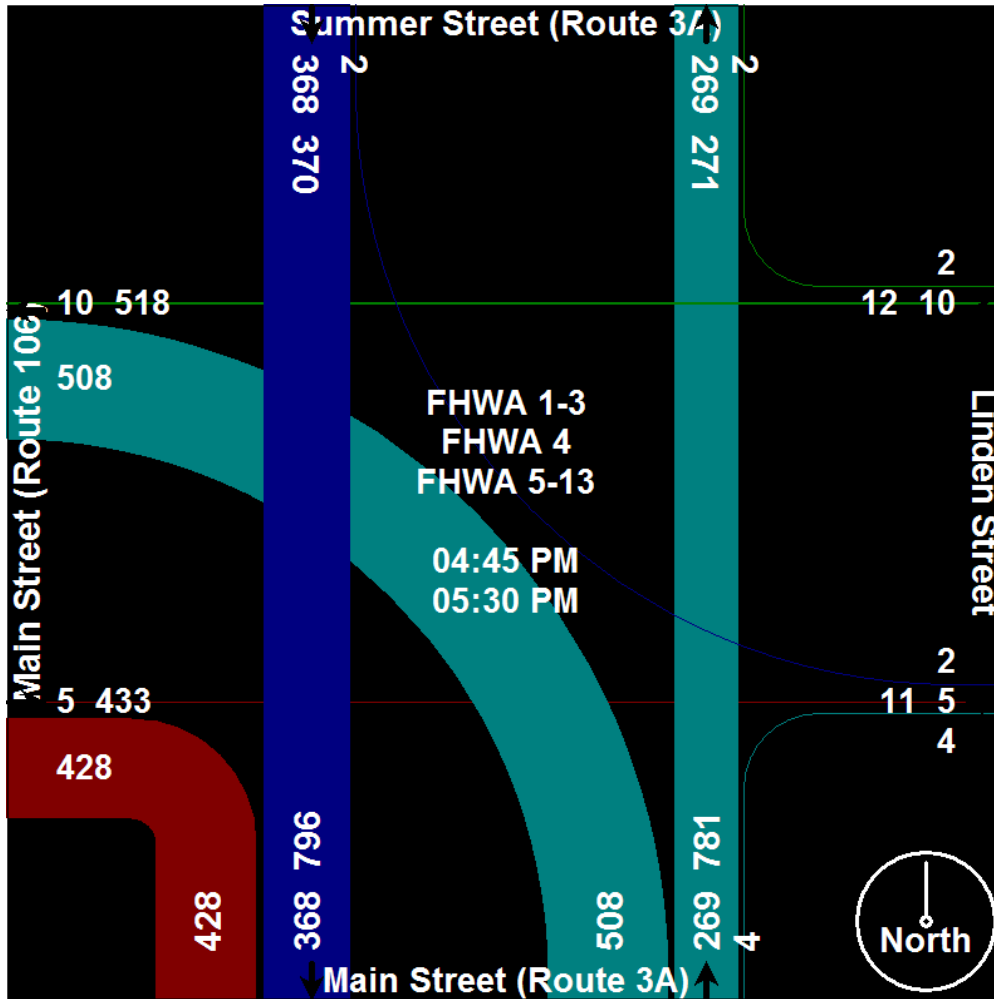




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

File Name : 145_Summer(3A)&Main(106)_PM
Site Code : 145
Start Date : 9/15/2010
Page No : 5

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

File Name : 145_Summer(3A)&Main(106)_PM
Site Code : 145
Start Date : 9/15/2010
Page No : 6

Community: Kingston
Weather: Clear
Board # & Staff: TDC-8 (2) & AV
Traffic Control: Flashing Beacon

Image 1



HCM Unsignalized Intersection Capacity Analysis

3: Brook Street & Elm Street

Existing 2010 AM Peak Hour LOS



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↰	↱	↻			↱
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	77	10	97	213	16	43
Peak Hour Factor	0.73	0.73	0.85	0.85	0.70	0.70
Hourly flow rate (vph)	105	14	114	251	23	61
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)		2				
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	347	239			365	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	347	239			365	
tC, single (s)	6.5	6.4			4.2	
tC, 2 stage (s)						
tF (s)	3.6	3.4			2.3	
p0 queue free %	83	98			98	
cM capacity (veh/h)	612	768			1161	











Direction, Lane #	WB 1	NB 1	SB 1
Volume Total	119	365	84
Volume Left	105	0	23
Volume Right	14	251	0
cSH	692	1700	1161
Volume to Capacity	0.17	0.21	0.02
Queue Length 95th (ft)	15	0	2
Control Delay (s)	11.8	0.0	2.3
Lane LOS	B		A
Approach Delay (s)	11.8	0.0	2.3
Approach LOS	B		

Intersection Summary			
Average Delay		2.8	
Intersection Capacity Utilization	29.1%	ICU Level of Service	A
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis

3: Brook Street & Elm Street

Existing 2010 PM Peak Hour LOS

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	152	16	123	122	24	134
Peak Hour Factor	0.73	0.73	0.85	0.85	0.70	0.70
Hourly flow rate (vph)	208	22	145	144	34	191
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)		2				
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	476	216			288	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	476	216			288	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	61	97			97	
cM capacity (veh/h)	533	823			1274	
Direction, Lane #	WB 1	NB 1	SB 1			
Volume Total	230	288	226			
Volume Left	208	0	34			
Volume Right	22	144	0			
cSH	589	1700	1274			
Volume to Capacity	0.39	0.17	0.03			
Queue Length 95th (ft)	46	0	2			
Control Delay (s)	15.4	0.0	1.4			
Lane LOS	C		A			
Approach Delay (s)	15.4	0.0	1.4			
Approach LOS	C					
Intersection Summary						
Average Delay			5.2			
Intersection Capacity Utilization		40.7%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Signalized Intersection Capacity Analysis
 3: Brook St (Route 80) & Main St (Route 3A)

Existing 2010 AM Peak Hour LOS



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frbp, ped/bikes	1.00	0.98	1.00	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.99	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1719	1504	1656	1743	1764	
Flt Permitted	0.95	1.00	0.20	1.00	1.00	
Satd. Flow (perm)	1719	1504	356	1743	1764	
Volume (vph)	86	105	73	603	697	78
Peak-hour factor, PHF	0.73	0.73	0.95	0.95	0.93	0.93
Adj. Flow (vph)	118	144	77	635	749	84
RTOR Reduction (vph)	0	125	0	0	5	0
Lane Group Flow (vph)	118	19	77	635	828	0
Confl. Peds. (#/hr)	1	1	1			1
Heavy Vehicles (%)	5%	5%	9%	9%	6%	6%
Turn Type	Perm pm+pt					
Protected Phases	4		5	2	6	
Permitted Phases		4	2			
Actuated Green, G (s)	9.1	9.1	51.5	51.5	44.8	
Effective Green, g (s)	9.1	9.1	51.5	51.5	44.8	
Actuated g/C Ratio	0.13	0.13	0.75	0.75	0.65	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	228	200	318	1309	1152	
v/s Ratio Prot	c0.07		0.01	c0.36	c0.47	
v/s Ratio Perm		0.01	0.17			
v/c Ratio	0.52	0.10	0.24	0.49	0.72	
Uniform Delay, d1	27.7	26.1	5.7	3.4	7.8	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	2.0	0.2	0.4	1.3	3.9	
Delay (s)	29.7	26.3	6.1	4.6	11.7	
Level of Service	C	C	A	A	B	
Approach Delay (s)	27.8			4.8	11.7	
Approach LOS	C			A	B	

Intersection Summary

HCM Average Control Delay	11.3	HCM Level of Service	B
HCM Volume to Capacity ratio	0.69		
Actuated Cycle Length (s)	68.6	Sum of lost time (s)	12.0
Intersection Capacity Utilization	60.5%	ICU Level of Service	B
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 3: Brook St (Route 80) & Main St (Route 3A)

Existing 2010 PM Peak Hour LOS



Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	
Frbp, ped/bikes	1.00	0.98	1.00	1.00	1.00	
Flpb, ped/bikes	1.00	1.00	1.00	1.00	1.00	
Frt	1.00	0.85	1.00	1.00	0.99	
Flt Protected	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (prot)	1787	1563	1787	1881	1836	
Flt Permitted	0.95	1.00	0.08	1.00	1.00	
Satd. Flow (perm)	1787	1563	155	1881	1836	
Volume (vph)	68	123	159	869	902	89
Peak-hour factor, PHF	0.88	0.88	0.96	0.96	0.88	0.88
Adj. Flow (vph)	77	140	166	905	1025	101
RTOR Reduction (vph)	0	125	0	0	3	0
Lane Group Flow (vph)	77	15	166	905	1123	0
Confl. Peds. (#/hr)	1	1	1			1
Heavy Vehicles (%)	1%	1%	1%	1%	2%	2%
Turn Type	Perm pm+pt					
Protected Phases	4		5	2	6	
Permitted Phases		4	2			
Actuated Green, G (s)	9.0	9.0	67.8	67.8	58.8	
Effective Green, g (s)	9.0	9.0	67.8	67.8	58.8	
Actuated g/C Ratio	0.11	0.11	0.80	0.80	0.69	
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	190	166	220	1504	1273	
v/s Ratio Prot	c0.04		0.04	c0.48	c0.61	
v/s Ratio Perm		0.01	0.56			
v/c Ratio	0.41	0.09	0.75	0.60	0.88	
Uniform Delay, d1	35.4	34.2	19.4	3.3	10.3	
Progression Factor	1.00	1.00	1.00	1.00	1.00	
Incremental Delay, d2	1.4	0.2	13.7	1.8	9.0	
Delay (s)	36.8	34.4	33.0	5.1	19.3	
Level of Service	D	C	C	A	B	
Approach Delay (s)	35.3			9.4	19.3	
Approach LOS	D			A	B	

Intersection Summary

HCM Average Control Delay	16.3	HCM Level of Service	B
HCM Volume to Capacity ratio	0.82		
Actuated Cycle Length (s)	84.8	Sum of lost time (s)	12.0
Intersection Capacity Utilization	75.8%	ICU Level of Service	D
Analysis Period (min)	15		
c Critical Lane Group			

HCM Unsignalized Intersection Capacity Analysis
 3: Main Street (Route 106) & Elm Street

2010 Existing AM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↗		↖	↗	↖	↗
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	495	39	25	399	64	55
Peak Hour Factor	0.89	0.89	0.88	0.88	0.67	0.67
Hourly flow rate (vph)	556	44	28	453	96	82
Pedestrians	1			1	1	
Lane Width (ft)	12.0			12.0	12.0	
Walking Speed (ft/s)	4.0			4.0	4.0	
Percent Blockage	0			0	0	
Right turn flare (veh)						1
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			601		1090	580
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			601		1090	580
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			97		59	84
cM capacity (veh/h)			961		233	517
Direction, Lane #	EB 1	WB 1	WB 2	NB 1		
Volume Total	600	28	453	178		
Volume Left	0	28	0	96		
Volume Right	44	0	0	82		
cSH	1700	961	1700	372		
Volume to Capacity	0.35	0.03	0.27	0.48		
Queue Length 95th (ft)	0	2	0	62		
Control Delay (s)	0.0	8.9	0.0	23.2		
Lane LOS		A		C		
Approach Delay (s)	0.0	0.5		23.2		
Approach LOS				C		
Intersection Summary						
Average Delay			3.5			
Intersection Capacity Utilization			39.0%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Main Street (Route 106) & Elm Street


















2010 Existing PM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↗		↖	↗	↖	↗
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	493	62	107	587	47	86
Peak Hour Factor	0.90	0.90	0.90	0.90	0.77	0.77
Hourly flow rate (vph)	548	69	119	652	61	112
Pedestrians	1				1	
Lane Width (ft)	12.0				12.0	
Walking Speed (ft/s)	4.0				4.0	
Percent Blockage	0				0	
Right turn flare (veh)						1
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			618		1474	583
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			618		1474	583
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			88		50	78
cM capacity (veh/h)			962		123	515
Direction, Lane #	EB 1	WB 1	WB 2	NB 1		
Volume Total	617	119	652	173		
Volume Left	0	119	0	61		
Volume Right	69	0	0	112		
cSH	1700	962	1700	296		
Volume to Capacity	0.36	0.12	0.38	0.58		
Queue Length 95th (ft)	0	11	0	86		
Control Delay (s)	0.0	9.3	0.0	33.0		
Lane LOS		A		D		
Approach Delay (s)	0.0	1.4		33.0		
Approach LOS				D		
Intersection Summary						
Average Delay			4.4			
Intersection Capacity Utilization			49.0%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis















3: Linden Street & Main Street (Route 3A)

2010 Existing AM Peak Hour LOS

													
Movement	WBL	WBR	WBR2	NBL	NBT	NBR	SBL	SBT	SBR	SEL2	SEL	SER	
Lane Configurations													
Sign Control	Stop				Free		Free		Stop				
Grade	0%				0%		0%		0%				
Volume (veh/h)	0	7	4	349	198	1	4	211	0	2	3	508	
Peak Hour Factor	0.89	0.89	0.89	0.83	0.83	0.83	0.80	0.80	0.80	0.90	0.90	0.90	
Hourly flow rate (vph)	0	8	4	420	239	1	5	264	0	2	3	564	
Pedestrians													
Lane Width (ft)													
Walking Speed (ft/s)													
Percent Blockage													
Right turn flare (veh)													
Median type	None						None						
Median storage (veh)													
Upstream signal (ft)													
pX, platoon unblocked													
vC, conflicting volume	1920	1354	239	264			240			1362	1354	264	
vC1, stage 1 conf vol													
vC2, stage 2 conf vol													
vCu, unblocked vol	1920	1354	239	264			240			1362	1354	264	
tC, single (s)	7.1	6.5	6.2	4.2			4.1			7.2	6.6	6.3	
tC, 2 stage (s)													
tF (s)	3.5	4.0	3.3	2.3			2.2			3.6	4.1	3.4	
p0 queue free %	100	92	99	67			100			97	97	26	
cM capacity (veh/h)	10	100	805	1266			1310			84	97	761	
Direction, Lane #	WB 1	NB 1	SB 1	SE 1									
Volume Total	12	660	269	570									
Volume Left	0	420	5	2									
Volume Right	4	1	0	564									
cSH	147	1266	1310	710									
Volume to Capacity	0.08	0.33	0.00	0.80									
Queue Length 95th (ft)	7	37	0	207									
Control Delay (s)	31.6	7.2	0.2	27.4									
Lane LOS	D	A	A	D									
Approach Delay (s)	31.6	7.2	0.2	27.4									
Approach LOS	D			D									
Intersection Summary													
Average Delay				13.8									
Intersection Capacity Utilization				89.5%	ICU Level of Service	E							
Analysis Period (min)				15									

HCM Unsignalized Intersection Capacity Analysis
 3: Linden Street & Main Street (Route 3A)

2010 Existing PM Peak Hour LOS

													
Movement	WBL	WBR	WBR2	NBL	NBT	NBR	SBL	SBT	SBR	SEL	SER		
Lane Configurations													
Sign Control	Stop			Free			Free			Stop			
Grade	0%			0%			0%			0%			
Volume (veh/h)	0	10	2	508	269	4	2	368	0	5	428		
Peak Hour Factor	0.75	0.75	0.75	0.95	0.95	0.95	0.89	0.89	0.89	0.90	0.90		
Hourly flow rate (vph)	0	13	3	535	283	4	2	413	0	6	476		
Pedestrians													
Lane Width (ft)													
Walking Speed (ft/s)													
Percent Blockage													
Right turn flare (veh)													
Median type	None								None				
Median storage (veh)													
Upstream signal (ft)													
pX, platoon unblocked													
vC, conflicting volume	2251	1773	285	413				287				1775	413
vC1, stage 1 conf vol													
vC2, stage 2 conf vol													
vCu, unblocked vol	2251	1773	285	413				287				1775	413
tC, single (s)	7.1	6.5	6.2	4.1				4.1				6.5	6.2
tC, 2 stage (s)													
tF (s)	3.5	4.0	3.3	2.2				2.2				4.0	3.3
p0 queue free %	100	70	100	53				100				87	25
cM capacity (veh/h)	4	45	759	1145				1269				44	634
Direction, Lane #	WB 1	NB 1	SB 1	SE 1									
Volume Total	16	822	416	481									
Volume Left	0	535	2	0									
Volume Right	3	4	0	476									
cSH	53	1145	1269	548									
Volume to Capacity	0.30	0.47	0.00	0.88									
Queue Length 95th (ft)	26	64	0	247									
Control Delay (s)	100.0	9.2	0.1	41.9									
Lane LOS	F	A	A	E									
Approach Delay (s)	100.0	9.2	0.1	41.9									
Approach LOS	F								E				
Intersection Summary													
Average Delay				16.9									
Intersection Capacity Utilization				105.4%				ICU Level of Service				G	
Analysis Period (min)	15												



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Kingston COUNT DATE : Sep-10

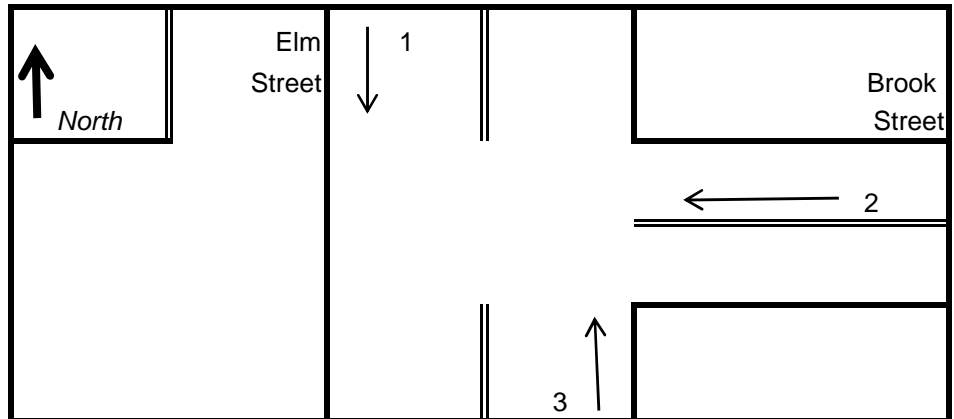
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Elm Street

MINOR STREET(S) : Brook Street (Route 80)

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	158	168	245			571

" K " FACTOR : INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES PER YEAR (A) :

CRASH RATE CALCULATION :

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Kingston COUNT DATE : Sep-10

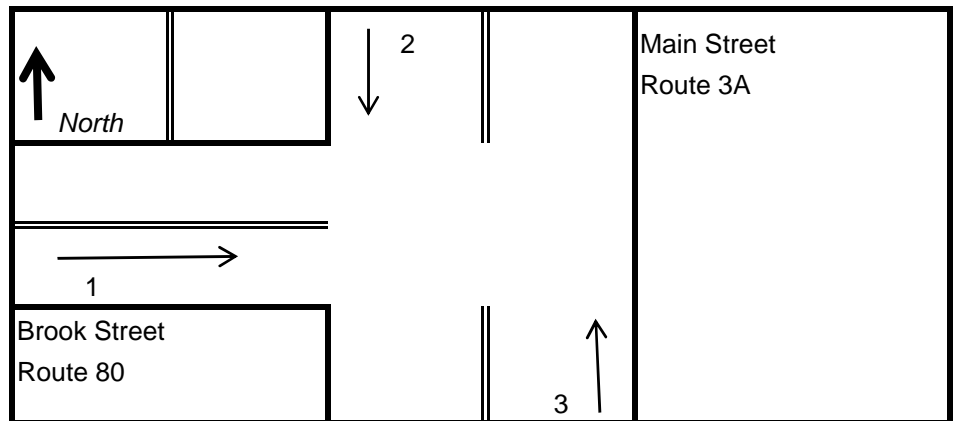
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Main Street (Route 3A)

MINOR STREET(S) : Brook Street (Route 80)

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	SB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	191	991	1,028			2,210

" K " FACTOR : INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES PER YEAR (A) :

CRASH RATE CALCULATION :

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Kingston COUNT DATE : Sep-10

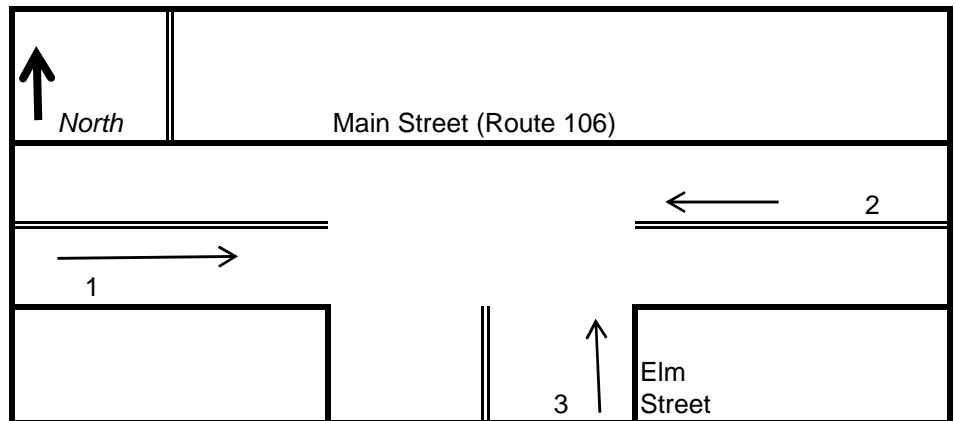
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Main Street (Route 106)

MINOR STREET(S) : Elm Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	559	694	133			1,386

" K " FACTOR :

0.090

INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

15,400

TOTAL # OF CRASHES :

6

OF YEARS :

3

AVERAGE # OF CRASHES PER YEAR (A) :

2.00

CRASH RATE CALCULATION :

0.36

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Kingston COUNT DATE : Sep-10

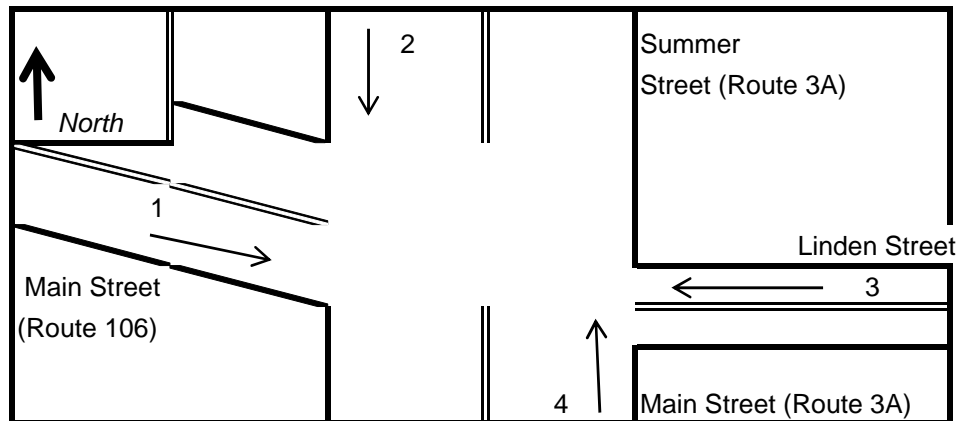
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Main Street (Route 3A / Route 106)

MINOR STREET(S) : Summer Street (Route 3A), Linden Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	442	376	12	781		1,611

" K " FACTOR : INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES PER YEAR (A) :

CRASH RATE CALCULATION :

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

(508) 583-1833 | www.ocpcrpa.org | info@ocpcrpa.org

Signal Warrants - Summary

Major Street Approaches

Northbound: Elm Street

Number of Lanes: 1
Approach Speed: 44
Total Approach Volume: 2,692

Southbound: Elm Street

Number of Lanes: 1
Approach Speed: 40
Total Approach Volume: 1,366

Minor Street Approaches

Eastbound:

Number of Lanes: 2

Total Approach Volume: 0

Westbound: Brook Street

Number of Lanes: 1

Total Approach Volume: 2,202

Warrant Summary (Rural values apply.)

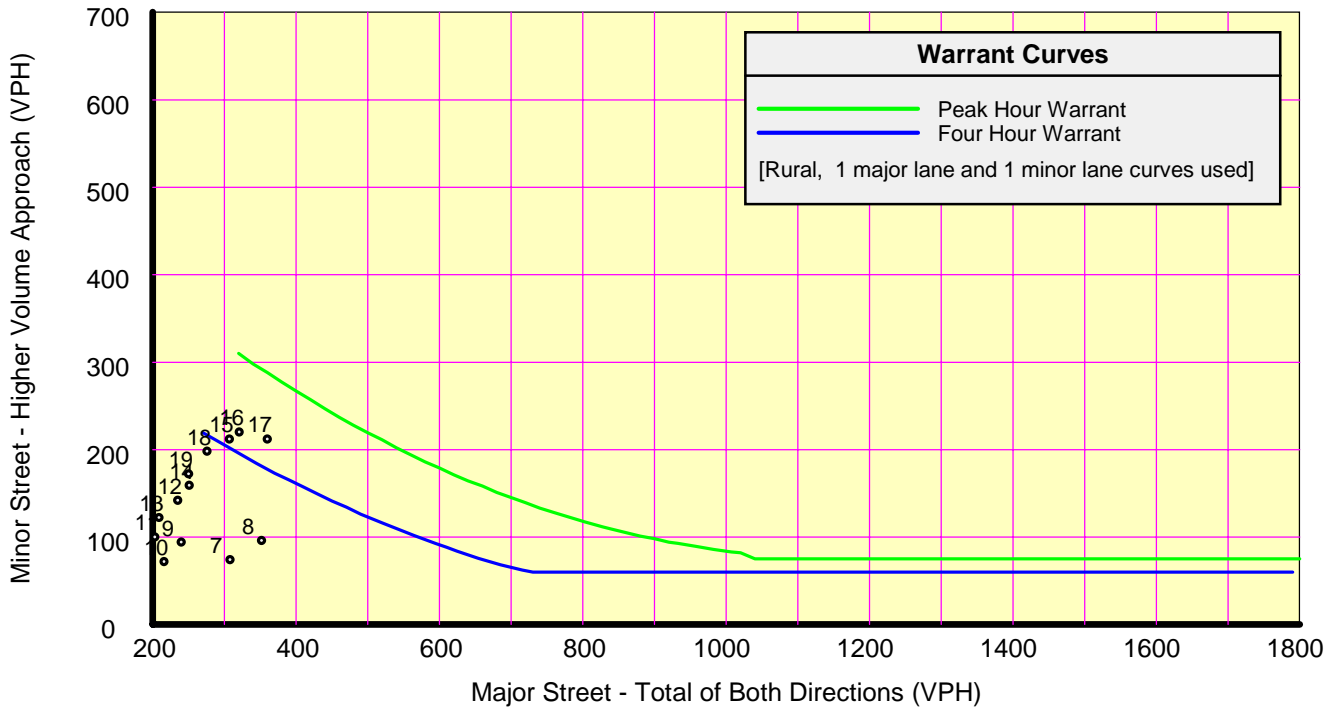
Warrant 1 - Eight Hour Vehicular Volumes	Not Satisfied
Warrant 1A - Minimum Vehicular Volume	Not Satisfied
Required volumes reached for 1 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic	Not Satisfied
Required volumes reached for 0 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants	Not Satisfied
Required volumes reached for 0 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (3) volumes exceed minimum < minimum required (4).	
Warrant 3 - Peak Hour	Not Satisfied
Warrant 3A - Peak Hour Delay	Not Satisfied
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes	Not Satisfied
Volumes do not exceed minimums for any hour.	
Warrant 4 - Pedestrian Volumes	Not Satisfied
Required 4 Hr pedestrian volume reached for 0 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps > .0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (3) is less than minimum (5). Volume minimums are not met.	
Warrant 8 - Roadway Network	Not Satisfied
Major Route conditions not met. No volume requirement met.	

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

(508) 583-1833 | www.ocpcrpa.org | info@ocpcrpa.org

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

Hour Begin	Major Total	Higher Minor Vol	Dir	War-1A			War-1B			War-1A&B		
				Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	10	15	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
01:00	4	8	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
02:00	5	2	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
03:00	4	1	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
04:00	13	2	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
05:00	56	9	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
06:00	151	21	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
07:00	308	74	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-No	---
08:00	352	96	WB	350-Yes	140-No	Major	525-No	70-Yes	Minor	420-No	112-No	---
09:00	240	94	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-No	---
10:00	216	72	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-No	---
11:00	203	100	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-No	---
12:00	235	142	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
13:00	209	122	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-Yes	Minor
14:00	251	159	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
15:00	307	212	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
16:00	321	220	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
17:00	360	212	WB	350-Yes	140-Yes	Both	525-No	70-Yes	Minor	420-No	112-Yes	Minor
18:00	276	198	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
19:00	250	172	WB	350-No	140-Yes	Minor	525-No	70-Yes	Minor	420-No	112-Yes	Minor
20:00	135	121	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-Yes	Minor
21:00	95	80	WB	350-No	140-No	---	525-No	70-Yes	Minor	420-No	112-No	---
22:00	38	40	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---
23:00	19	30	WB	350-No	140-No	---	525-No	70-No	---	420-No	112-No	---

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

(508) 583-1833 | www.ocpcrpa.org | info@ocpcrpa.org

Signal Warrants - Summary

Major Street Approaches

Eastbound: Main Street (Route 106)

Number of Lanes: 1
Approach Speed: 39
Total Approach Volume: 6,867

Westbound: Main Street (Route 106)

Number of Lanes: 1
Approach Speed: 42
Total Approach Volume: 6,023

Minor Street Approaches

Northbound: Elm Street

Number of Lanes: 1

Total Approach Volume: 1,341

Southbound:

Number of Lanes: 2

Total Approach Volume: 0

Warrant Summary (Urban values apply.)

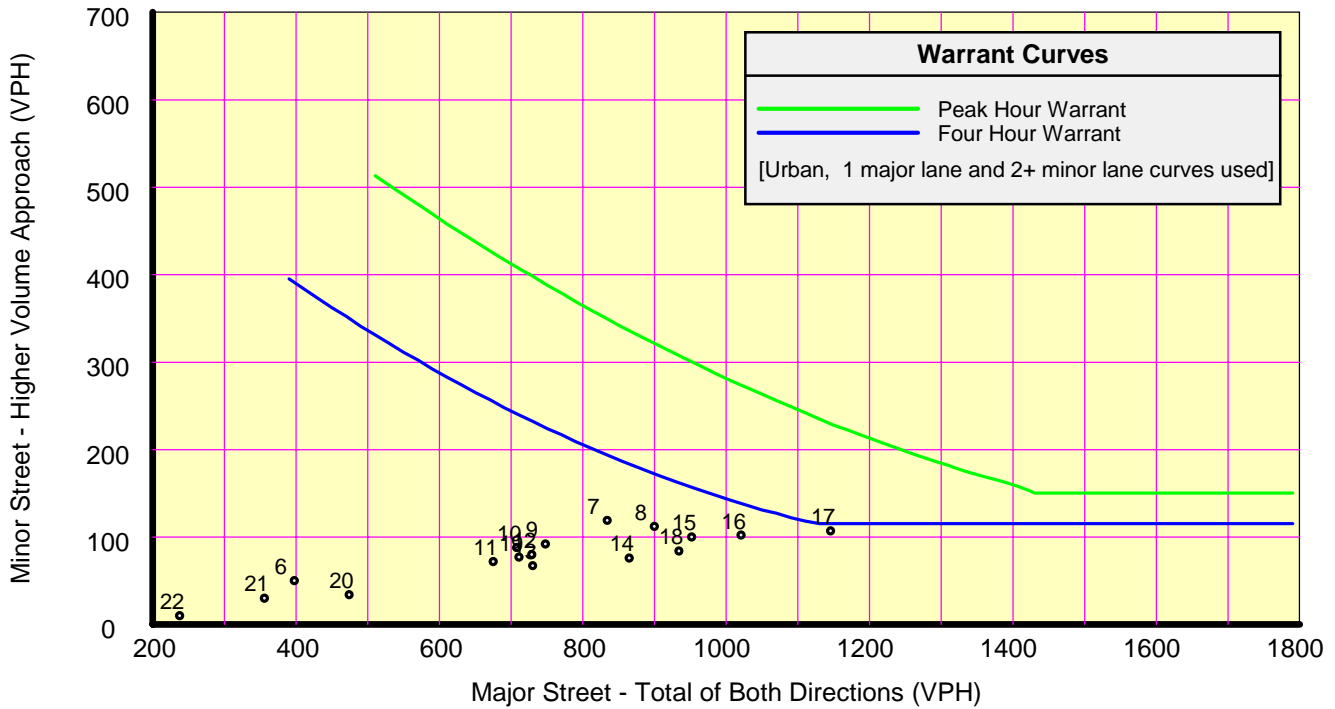
Warrant 1 - Eight Hour Vehicular Volumes	Not Satisfied
Warrant 1A - Minimum Vehicular Volume	Not Satisfied
Required volumes reached for 0 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic	Not Satisfied
Required volumes reached for 7 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants	Not Satisfied
Required volumes reached for 0 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (0) volumes exceed minimum < minimum required (4).	
Warrant 3 - Peak Hour	Not Satisfied
Warrant 3A - Peak Hour Delay	Not Satisfied
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes	Not Satisfied
Volumes do not exceed minimums for any hour.	
Warrant 4 - Pedestrian Volumes	Not Satisfied
Required 4 Hr pedestrian volume reached for 0 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps > .0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (2) is less than minimum (5). Volume minimums are met.	
Warrant 8 - Roadway Network	Satisfied
Major Route conditions met. Volume requirements met.	

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

(508) 583-1833 | www.ocpcrpa.org | info@ocpcrpa.org

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

Hour Begin	Major Total	Higher Minor Vol	Higher Minor Dir	War-1A			War-1B			War-1A&B		
				Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	75	3	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
01:00	44	1	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
02:00	20	4	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
03:00	17	2	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
04:00	40	3	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
05:00	131	20	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
06:00	398	50	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
07:00	834	119	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
08:00	900	112	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
09:00	748	92	NB	500-Yes	150-No	Major	750-No	75-Yes	Minor	600-Yes	120-No	Major
10:00	708	88	NB	500-Yes	150-No	Major	750-No	75-Yes	Minor	600-Yes	120-No	Major
11:00	675	72	NB	500-Yes	150-No	Major	750-No	75-No	---	600-Yes	120-No	Major
12:00	729	80	NB	500-Yes	150-No	Major	750-No	75-Yes	Minor	600-Yes	120-No	Major
13:00	730	67	NB	500-Yes	150-No	Major	750-No	75-No	---	600-Yes	120-No	Major
14:00	865	76	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
15:00	952	100	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
16:00	1,021	102	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
17:00	1,146	107	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
18:00	934	84	NB	500-Yes	150-No	Major	750-Yes	75-Yes	Both	600-Yes	120-No	Major
19:00	711	77	NB	500-Yes	150-No	Major	750-No	75-Yes	Minor	600-Yes	120-No	Major
20:00	474	34	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
21:00	356	30	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
22:00	238	10	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
23:00	144	8	NB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---

Low Cost Non-Intersection Safety Improvements

Research Has Shown...

Post mounted delineators and chevrons can reduce run-off road crashes by up to 58% and 31%, respectively.

(Source: *Low Cost Local Road Safety Solutions* by American Traffic Safety Services Association and National Association of County Engineers)

Background

In 2006, there were 430 fatalities in vehicular crashes in Massachusetts with over half of these fatalities occurring at non-intersection locations. As a result, targeting safety at these non-intersection locations has been the focus of safety-related projects at all levels; however, it is often at the local level where the most significant impacts are realized. This fact sheet provides insight regarding low cost safety fixes for non-intersection crash locations. Recognizing that resources are often limited, an emphasis is provided on the identification of strategies that will yield effective results which are easily implemented from both a time and cost perspective.

Low Cost Safety Countermeasure Development

When attempting to improve safety at non-intersection locations consider some general strategies such as the following:

- Identify crash countermeasures that are likely to influence crashes based upon the dominant crash type.
- Select alternatives, assess the economic costs, and implement the appropriate countermeasure(s).
- Evaluate countermeasures to ensure no adverse consequences occur during and after implementation.

Countermeasure Considerations

Technically feasible – Is the countermeasure feasible for the particular location? Does it comply with existing guidelines and/or standards?

Advantageous Cost/Benefit – Does the benefit of the countermeasure outweigh the costs? Are there more cost-effective strategies to consider?

Affordable and Practical – Is the countermeasure practical considering the identified problem? Can it be funded?

Acceptable – Will the public accept the countermeasure politically and within the community? Will there be educational needs for the public?

Legal – Is the countermeasure legal to use? For example, speed limits are regularly revised without proper authorization, and STOP signs are used without meeting the appropriate MUTCD warrants.

Compatible with other roadway features – Does the countermeasure disrupt other safety features, which may result in unintended consequences?



For more information contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Low Cost Non-Intersection Safety Improvements

Although large-scale treatments can be used, there are also many effective low cost countermeasures that can be implemented. This fact sheet targets some of the common safety challenges at non-intersection locations, and places an emphasis on identifying low-cost improvements that could likely be implemented in a short timeframe (i.e., less than a year). Although several definitions exist for low cost improvements, such as the FHWA definition of less than \$50,000, the information below is based upon treatments under \$15,000.

Identified Safety Challenge	Potential Countermeasures
Horizontal curve issues	<ul style="list-style-type: none"> • Provide advance warning signage. • Add chevrons along the curve. • Add embedded pavement markings and enhanced curve delineation. • Add roadside reflectors to delineate curves. • Increase/add pavement markings to provide 6-inch centerlines and/or edgelines.
Sight distance issues	<ul style="list-style-type: none"> • Trim or clear trees or bushes obstructing various access points or existing signage. • Add warning signs advising of potential hazards.
Run-off-road crashes at known location	<ul style="list-style-type: none"> • Enhance delineation through improved pavement markers or roadside reflectors. • Provide adequate clear zone to minimize crash consequences. • Add guard rail to limit roadway departures.
Edge drop-off	<ul style="list-style-type: none"> • Add and maintain fill to prevent drop-off at roadside which limits vehicle ability to re-enter the roadway upon departure. • Identify drop-off cause (e.g., drainage) and improve.
Drainage-related issues	<ul style="list-style-type: none"> • Ensure adequate drainage . • Clear/clean catch basins with regularity.
Weather-related crashes	<ul style="list-style-type: none"> • Alter or increase winter weather treatment program. • Utilize warning signs to identify possible hazardous locations for motorists. • Employ changeable message signs to alert motorists of winter weather conditions.
Pedestrian crossings	<ul style="list-style-type: none"> • Adequately mark with advance signage and yield lines any non-intersection pedestrian crosswalks.



MASSACHUSETTS
EXECUTIVE OFFICE
OF TRANSPORTATION



For more information
contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Low Cost Non-Intersection Safety Improvements

Identified Safety Challenge	Potential Countermeasures
Maintenance issues	<ul style="list-style-type: none"> • Clear brush which may inhibit roadway operations or obstruct existing roadway signage. • Sweep roadways and shoulders regularly. • Fill roadway cracks and potholes. • Replace worn pavement markings and faded signs.
Tree or utility pole crashes	<ul style="list-style-type: none"> • Relocate or remove existing trees or poles in problematic locations. • Add reflectors to trees or poles. • Add guard rail shielding existing trees or poles.
Speed-related crashes	<ul style="list-style-type: none"> • Ensure roadways are properly posted in accordance with existing speed regulations (check with MassHighway for existing regulations). • Consider traffic calming measures to reduce speeds. • Consider experimental optical speed measures. • Restripe to provide narrower lanes. • Ensure regular enforcement of appropriate speed limits.
Parking	<ul style="list-style-type: none"> • Restrict parking at selected locations including constrained cross-section, near intersections, and on the approaches to pedestrian crosswalks.
Passing issues	<ul style="list-style-type: none"> • Restrict and enforce passing when adequate passing sight distance is not provided.

Resources

NCHRP 500 Series – Implementation of AASHTO Strategic Highway Safety Plan

This series of guidebooks provides recommendations and countermeasures aimed at targeting specific safety problems along roadways, and is found at <http://safety.transportation.org/guides.aspx>

Massachusetts Traffic Safety Toolbox Series

This series of fact sheets provides information on safety improvements that can be implemented at the local level. Information on problem areas, possible countermeasures, and implementation considerations is included in each fact sheet which can be found at www.mass.gov/mhd/safetytoolbox/

Massachusetts Traffic Safety Toolbox Series



MASSACHUSETTS
EXECUTIVE OFFICE
OF TRANSPORTATION



U.S. Department of Transportation
Federal Highway
Administration



For more information
contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Low Cost Intersection Safety Improvements

Did you know?

In Massachusetts, intersection crashes account for 29% of fatal crashes & 47% of incapacitating injury crashes

[\(Source: Massachusetts Strategic Highway Safety Plan\).](#)

Background

An intersection, a place where two or more roads meet, may be one of the most complex environments a driver will encounter along the roadway. Intersections can present conflicts for vehicles and pedestrians alike. In the U.S., over 2.8 million intersection-related crashes occurred in 2000 representing 44 percent of all crashes. Approximately 8,500 fatalities (23 percent of total fatalities) and one million injury crashes occurred at intersections, costing society about \$40 billion. As a result, intersection safety is continually a priority in the U.S. and in Massachusetts, however, in many instances there is an inherent tradeoff between mobility and safety. Low cost safety improvements provide the opportunity to implement countermeasures at intersections where resources are limited.

Intersections and Countermeasures

Four major types of crashes occur at intersections: (1) angle collisions, (2) rear-end collisions, (3) vehicles improperly changing lanes collisions, and (4) pedestrian and bicycle collisions. Reducing the frequency and severity of crashes can be accomplished through analyzing intersection crash patterns and applying appropriate countermeasures. Intersection crashes have many causes including, but not necessarily limited to, poor geometry and design, deficient operational control, insufficient maintenance, and human error. Considering all of these elements, the optimal approach to improved intersection safety is multidisciplinary in nature; however, many low cost countermeasures focused on the intersection design and operation can be both implemented and effective at the local level. When improving an intersection consider some general strategies such as the following:

- Attempt to minimize intersection conflicts and crashes, and lessen the impacts of crashes when they do occur;
- Attempt to match a countermeasure to an identified safety problem;
- Evaluate implemented countermeasures to identify what works and what does not, for consideration at future locations; and
- Select countermeasures that are technically feasible and practical, and provide an advantageous benefit/cost ratio.



Photo Source: AASHTO Strategic Highway Safety Plan



For more information contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Low Cost Intersection Safety Improvements

Low Cost Countermeasures

Although large-scale intersection treatments can be used, there are also many effective low cost countermeasures that can be implemented. This fact sheet targets some of the common safety challenges at intersections, and places an emphasis on identifying low-cost improvements that could likely be implemented in a short timeframe (i.e., less than a year). Although several definitions exist for low cost improvements, such as the [Federal Highway Administration's \(FHWA\)](#) definition of less than \$50,000, the information below is based upon treatments under \$15,000. Lastly, focusing on low cost measures often allows for a proactive approach to traffic safety, and may eliminate, or at least defer, the need for a high-cost improvement.

Did you know?

According to a [Kentucky Transportation Center](#) Research Report warning signs in general are associated with a 25% reduction in crashes. The same report also indicates that all-way stop control reduces crashes by 55%

Identified Safety Challenge	Potential Countermeasures
Driver confusion resulting from lane usage patterns	<ul style="list-style-type: none"> • Install lane use designation signage along side or above the intersection approach. • Add symbolic lane use markings. • Delineate paths through intersection for confusing vehicle movements (e.g., left turns).
Crashes involving left-turning vehicles	<ul style="list-style-type: none"> • At signalized locations add protected left-turn phase; however, this should be based upon a capacity analysis. • Consider existing lane usage patterns and reconfigure existing usage to dedicate an exclusive left-turn lane.
Sight distance issues	<ul style="list-style-type: none"> • Improve sight lines by clearing obstacles such as brush, unnecessary signs, etc. • Add advance warning signs alerting motorists of intersection ahead.
Traffic signal conspicuity	<ul style="list-style-type: none"> • Add backplates to traffic signal heads. • Consider use of LED signal indications. • Consider position of traffic signal heads with respect to driver sight lines (see MUTCD for guidance).
Driver navigation errors	<ul style="list-style-type: none"> • Install improved street direction and guidance signage to aid drivers.
STOP sign violations	<ul style="list-style-type: none"> • Upgrade STOP signs (e.g., size and retroreflectivity). • Add advance signage or pavement markings. • Consider flashing intersection control beacons.



For more information contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Low Cost Intersection Safety Improvements

Identified Safety Challenge	Potential Countermeasures
Red light running crashes	<ul style="list-style-type: none"> • Revise signal timing for yellow and all-red intervals. • Add advance signal ahead signage when traffic signal sight distance is limited, and based upon conditions consider dynamic signage.
Accommodation of bicycles and pedestrians	<ul style="list-style-type: none"> • Mark intersection crosswalks. • Consider pedestrian signal phasing. • Restrict turns during pedestrian phase. • Potentially restripe roadway to provide a travel lane for bicycles at bicycle/traffic intersections. • Install bicycle detection at signalized locations.
Signs obstruct driver vision or increase driver workload	<ul style="list-style-type: none"> • Remove or relocate unnecessary signage either on the intersection approach or at the intersection itself that may obstruct other more important signs. Similarly, unnecessary signs or flashing lights may capture drivers attention causing drivers to miss critical information.
Transit stop issues	<ul style="list-style-type: none"> • Relocate transit stops from intersections. • Relocate transit stops from near side to far side.
Angle crashes at unsignalized intersections	<ul style="list-style-type: none"> • At intersections with no exiting control where right-of-way may not be obvious consider stop control. • Consider multiway stop control at intersections with nearly equivalent volumes and right-of-way issues.
Turning radius challenges	<ul style="list-style-type: none"> • Add “No Parking” restrictions near intersections to improve turning radii for heavy vehicles.

Resources

NCHRP 500 Series – Implementation of AASHTO Strategic Highway Safety Plan

This series of guidebooks provides recommendations and countermeasures aimed at targeting specific safety problems along roadways, and is found at <http://safety.transportation.org/guides.aspx>

Massachusetts Traffic Safety Toolbox Series

This series of fact sheets provides information on safety improvements that can be implemented at the local level. Information on problem areas, possible countermeasures, and implementation considerations is included in each fact sheet which can be found at www.mass.gov/mhd/safetytoolbox/

Massachusetts Traffic Safety Toolbox Series



MASSACHUSETTS
EXECUTIVE OFFICE
OF TRANSPORTATION



For more information
contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Retroreflectivity

Background

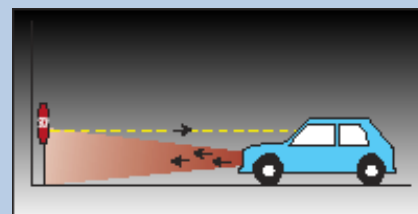
According to the Federal Highway Administration (FHWA), while only 25 percent of travel occurs at night, more than half of traffic fatalities occur during nighttime hours. In Massachusetts, nearly half of all fatal crashes occur during the nighttime. Poor visibility may be a contributing factor in nighttime crashes. Headlights and roadway lighting help to illuminate the roadway, but are often not enough to meet the needs of nighttime drivers. For this reason, FHWA recommends the use of retroreflective traffic control devices so that at night a driver can see a sign or pavement marking sooner and can then take appropriate actions.

Retroreflective Signs and Pavement Markings

Retroreflective materials used on signs, pavement markings, and other traffic control devices can provide additional visual cues on wet pavements and in the nighttime driving environment helping to meet the needs of nighttime drivers. Retroreflective materials, which use small glass beads and microprismatic reflectors mixed into the paint, have the ability to reflect light and enable a vehicle operator to see traffic control devices more easily at night. The [Manual on Uniform Traffic Control Devices \(MUTCD\)](#) states that all signs and pavement markings shall be retroreflective or have adequate ambient lighting. Fortunately, most traffic signs and pavement markings use retroreflective technology.

Retroreflective paint can be useful and effective and can be used in nearly all instances to reflect a vehicle's headlights thus adding conspicuity. According to the MUTCD, pavement markings shall be installed with the proper retroreflective color as per [Section 3A.04](#). Similarly, all regulatory, warning, and guide signs must use retroreflective or other illuminating materials displaying the same color during both night and day, unless specifically stated otherwise in the [MUTCD Section 2A.11](#). Additionally, it is important to note that the installation procedure is critical in order to obtain the full benefit of retroreflective materials. For example, the height and lateral placement of a sign are critical components of the installation. Please see the MUTCD for additional information regarding the installation procedures of retroreflective signs.

As shown in the adjacent picture, the headlight from a vehicle shines on a retroreflective sign and the message on the sign bounces back to the driver.



Source: FHWA

Did You Know?

The FHWA estimates that up to half of the 58 million traffic signs in the U.S. are beyond their useful lifespan (estimated at 10 years) from a retroreflectivity standpoint.



MASSACHUSETTS
EXECUTIVE OFFICE
OF TRANSPORTATION



For more information
contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008

Retroreflectivity



Retroreflective STOP Sign (Source: minimumreflectivity.org)

Measuring Retroreflectivity

As of January 2008, the FHWA has established guidelines for maintaining minimum retroreflectivity levels on traffic signs, which are available in the online version of the MUTCD in [Section 2A.09](#). Signage that does not provide adequate retroreflectivity should be upgraded. In the field, retroreflectivity can be measured in two ways:

1. A precise measurement can be attained with a retroreflectometer. This device is pointed at a sign or pavement marking and measures the light from the object that has been scattered and reflected back to the meter. The actual units for this measure are candela per square meter per incident lux (cd/lx/m^2).
2. A more subjective, yet commonly used method, is to gauge retroreflectivity through a simple visual inspection at night.

Costs for Retroreflective Devices

When considering retroreflective devices, considerations in the overall cost include the type of traffic control device (e.g., paint, signs, etc.), the associated installation costs, as well as the level of retroreflective properties. It is also worth noting that costs may vary across manufacturers and with the quantity of an order. Based upon these variations in cost, it is recommended that several alternatives be considered when ordering retroreflective materials, including paint and signage. The following are some devices and the associated prices*:

- Retroreflective delineator—\$22.75 per device
- Retroreflective warning signs—\$18 per square foot
- Retroreflective location and guide signs—\$20 per square foot
- Retroreflective street name signs —\$100 per sign
- Retroreflective paint—\$1.70 per square foot

*prices included are from the [MassHighway Weighted Average Bid Prices](#) as of January 2008. These prices reflect the relative costs for retroreflective materials, and will generally be lower than what a municipality may expect to pay.

Resources

Massachusetts Traffic Safety Toolbox Series

This series of fact sheets provides information on safety improvements that can be implemented at the local level. Information on problem areas, possible countermeasures, and implementation considerations is included in each fact sheet which can be found at www.mass.gov/mhd/safetytoolbox/

The Manual on Uniform Traffic Control Devices (MUTCD)

Published by the FHWA, the MUTCD defines the standards used by transportation professionals nationwide to install and maintain traffic control devices on all streets and highways. The most recent version (2003) can be found at <http://mutcd.fhwa.dot.gov/>



For more information contact:
MassHighway
Traffic Engineering
(617) 973-8484

Last Revised:
January 2008