

# 2014 SOUTHWEST BROCKTON CORRIDOR STUDY



Old Colony Planning Council  
70 School Street  
Brockton, MA 02301

Prepared under MassDOT Contract # 69649

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## 1 Introduction

### 1.1 Study Purpose and Scope

The purpose of this study is to identify traffic flow and circulation problems, safety deficiencies, and concerns within the transportation network in the southwest area of Brockton. The study area includes Forest Avenue, from Main Street to Belmont Street, and portions of Belmont Street, Torrey Street, and West Street. This study was initiated as part of the Old Colony's Unified Planning Work Program (UPWP FFY 2014) with the purpose of developing long term and short term actions that will enhance circulation and traffic flow efficiency, and to improve safety for non-motorized bicycle and pedestrian traffic.

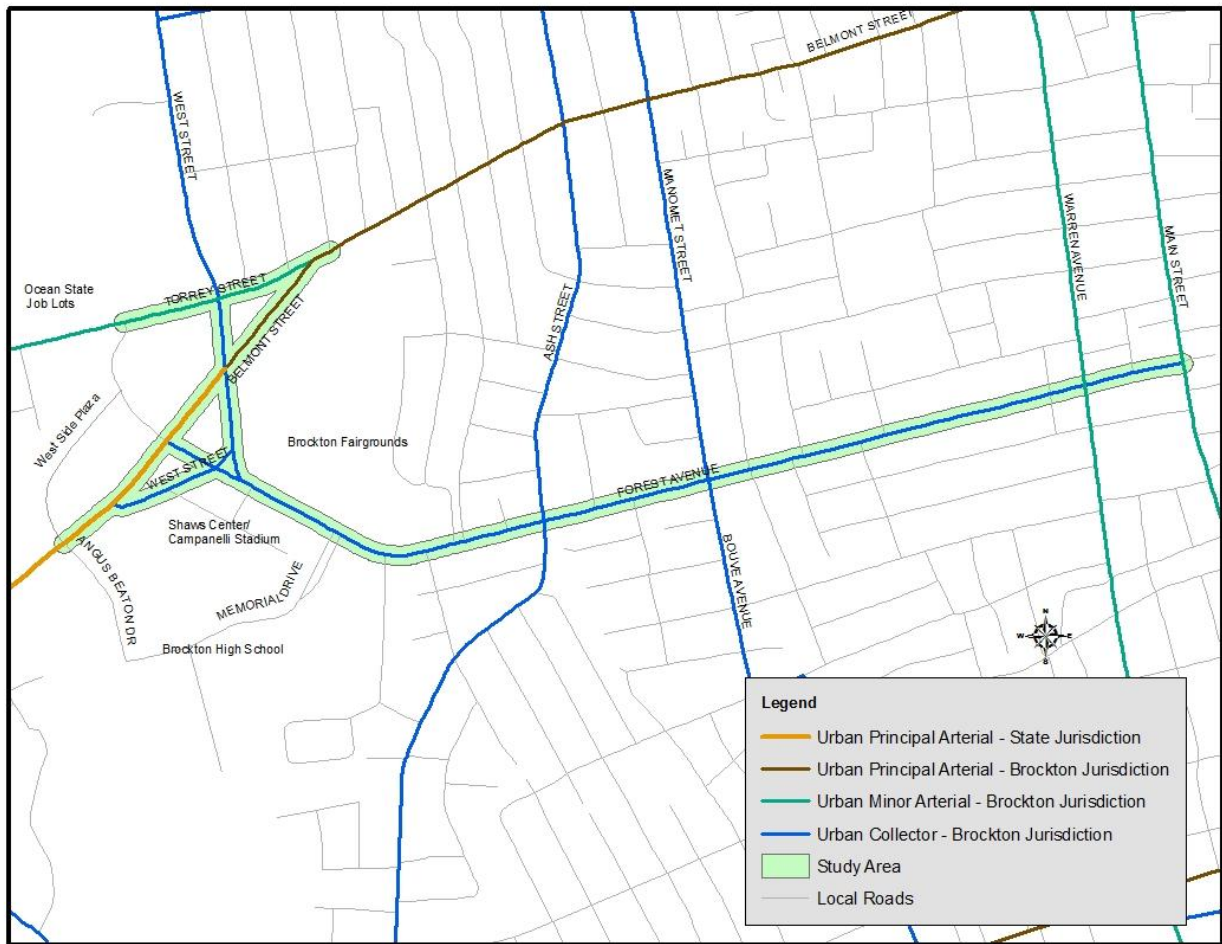
This study includes traffic data collection (average daily traffic and peak hour turning movements), analyses of existing traffic conditions (intersection peak hour levels-of-service, speeds, and heavy vehicles), an inventory of physical conditions (pavement width, right-of-way, lane use, signage, traffic control, and pavement conditions), a review of land use and community goals, and a review and analysis of crash data within the study area. In addition, traffic forecasts and level-of-service analyses for future (five-year horizon) peak hour conditions were performed for the study. Traffic analyses were completed utilizing standard practices in the *Highway Capacity Manual*, published by the Institute of Transportation Engineers (ITE). The traffic analysis software used to complete this study included SYNCHRO (including SimTraffic) and HCS Software. Signal Warrant analyses were performed in accordance with national standards established in the *Manual on Uniform Traffic Control Devices* (MUTCD) by the Federal Highway Administration (FHWA). Traffic data collection and crash analyses were completed in accordance with the procedures and techniques in the *Manual of Traffic Engineering Studies* by ITE. In addition to data collection, other information was obtained from the Massachusetts Registry of Motor Vehicles, the Massachusetts Department of Transportation (MassDOT), The Federal Highway Administration (FHWA), and the Massachusetts Geographic Information System (MassGIS).

A review of pedestrian and bicycle accommodations is included in this study. The "Complete Streets" concept (designing roads to accommodate all road users), traffic calming, access management, and reviews of local and state plans and master plans were discussed in the public outreach meetings to develop specific improvements projects and to define a long term vision for the study area corridor and intersections.

### 1.2 Study Area

The study area includes the entire length of Forest Avenue from Main Street to Belmont Street, (approximately 1.36 miles); Belmont Street, from Angus Beaton Drive to Torrey Street; West Street, from Torrey Street to Belmont Street at the Westside Plaza; and Torrey Street, from the Westside Plaza/Ocean State Job Lot intersection to Belmont Street. The study area is shown in Figure 1. As shown in Figure 1, Forest Avenue and West Street are classified as Urban Collectors and are under the jurisdiction of the City of Brockton. Torrey Street is classified as a Minor Arterial street under the jurisdiction of the City of Brockton. Belmont Street (Route 123) is classified as a Principal Arterial and is under state jurisdiction from the Easton Town Line to West Street, and under the jurisdiction of the City of Brockton from West Street east to Brockton's center.

**Figure 1 – Southwest Brockton Study Area**



### 1.3 Public Outreach

Public outreach is essential for developing collaboration and consensus among stakeholders for the study process. An important part of the public outreach process includes the identification of stakeholders, especially those who have the potential to be impacted by the study, those who are important in implementation of improvements, and those who have an interest in the study and process. OCPC’s stakeholder identification process included reaching out to the business community, the public at large, and groups that have been traditionally underserved including the elderly, groups with Limited English Proficiency (LEP), minorities, and people below the poverty line.

The public outreach process included:

- Early notification of meetings and periodic sharing of information.
- A thorough search and identification of stakeholders, including non-traditional participants.
- Open meetings held at convenient and accessible locations (ADA accessible).
- Meeting information available in a variety of media and in electronic accessible formats (world-wide web).
- A variety of visualization techniques were employed to disseminate information.
- Meeting techniques included visual presentation and workshop/discussion formats.

Public outreach is also important for maintaining consistency in state, regional, and local plans and for initiating specific projects in the communities for inclusion in the region’s Transportation Improvement Program (TIP). The study outreach process included a project website page on OCPC’s website. The website page provided an overview of the project, notices of public meetings, and the conclusions and improvements resulting from the study. The public meetings included workshops and presentations of existing traffic, transit, non-motorized vehicles, and land use conditions, as well as discussions that facilitated audience input. OCPC held the public workshops at a variety of venues including Brockton High School and the Brockton Public Library. A number of different media, including on-line and newspaper outlets, were utilized to publicize the meetings and the study survey. Copies of the public outreach notice flyers are included in the appendices.

### 1.3.1 Study Steering Committee

OCPC held steering committee meetings on March 5, 2014 and August 26, 2014 at the Brockton Public Library. At the March meeting, the scope of the study, the existing study area traffic operating conditions, and crash experience were presented to the committee. The August meeting of the steering committee focused on discussions of potential improvements and projects to decrease congestion and improve traffic, pedestrian, and bicycle safety. The committee determined in its discussions that the study priorities should focus on needs and on projects that have the most likelihood of success. These include, but are not limited to:

- Enhancing enforcement of traffic, such as red light running, and also enhance enforcement of pedestrian traffic, especially students, jay walking and crossing against the traffic signal.
- Improving congestion and circulation on West Street, between the Belmont Street/West Street/Westside Plaza intersection and the West Street/Torrey Street intersection, and on Forest Avenue between Belmont Street and Memorial Drive, in order to improve the efficiency and response time of firefighter apparatus located on West Street.
- Improving traffic circulation on West Street at its junction with Forest Avenue during special events, such as Brockton Rox games, High School events, and during the Brockton Fair to relieve gridlock during special events.
- Brockton High School is designated as an “Emergency Dispensing Site” by the state and access in and out of the site during a time of emergency is essential as the site will be made available to federal and state agencies.



Steering Committee Meeting held March 5, 2014 at the Brockton Public Library



Steering Committee Meeting held August 26, 2014 at the Brockton Public Library

Table 1 summarizes individuals who participated in the Study Steering Committee.

**Table 1 – Study Steering Committee Participants**

Fire Chief Richard C. Francis	Brockton Fire Department
Captain Jeffery A. Gillpatrick	Brockton Fire Department
Brockton Business and Government Liaison – Nick Giaquinto	Brockton Mayor’s Office
Tim Kochan	MassDOT District 5
OCPC Delegate Robert G. Moran	OCPC
Pastor Joseph Raeke	Our Lady of Lourdes Church
Jean N. Ryan	Brockton High School
Phillip Sheppard	Massasoit Community College
OCPC Delegate Fred Gilmetti	OCPC
Thomas Thibeault	Brockton Housing Authority
Jacques A. Borges	City of Brockton Engineer
Pam Gurley	City of Brockton Planning Board
Dennis Eaniri	Brockton City Council Ward 3
Director Emergency Management and Safety – Tobias T. Cowans	Brockton Public Schools
Executive Director – Pat Ciaramella	Old Colony Planning Council
Assistant Director/Transportation Program Director – Charles Kilmer	Old Colony Planning Council

### 1.3.2 Public Workshops

Public workshops were held in order to garner input from the general public. The first workshop was held on March 18, 2014 at the Brockton Public High School. The discussion focused on a number of traffic issues that included pedestrian safety as well as vehicle congestion and traffic safety. The comments included the following:

- The Forest Avenue at Warren Avenue intersection has an unusually high amount of crashes.
- There is poor sight distance at the Torrey Street/Ocean State Job Lot intersection.
- There are motorists ignoring the stop sign on West Street at the Forest Street/West Street intersection in front of the library branch.
- The sidewalks around the High School are poorly plowed in the winter time.
- There is poor sight distance at the Ash Street/Forest Street intersection due to overgrown vegetation and fencing.
- Pedestrian volumes crossing Belmont Street are extremely high after school dismissal, and students do not use crosswalks and pedestrian signals.
- The principal of Brockton High school requested pedestrian crash data for the area surrounding Brockton High School.
- A program to raise awareness amongst high school students and to teach safe techniques regarding pedestrian safety is needed.



Public Workshop held March 18, 2014 at the Brockton High School

The second public workshop was held on August 25, 2014 at the Brockton Public Library. The discussions and comments focused on the potential improvements to relieve congestion and improve safety for motor vehicles, pedestrians, and bicyclists. Issues discussed at that meeting include:

- Potentially utilizing Campanelli Circle in front of Campanelli stadium as a drop off and pick up area for Brockton High School.
- New paving on Forest Avenue should include reclaiming and recycling of the existing paved surface because previous layers of pavement were put on top of one another so that the pavement surface is almost to the top of the curb.
- The City should consider parking restrictions on Forest Avenue.

- The City should consider truck restrictions on Forest Avenue (state statutes require viable truck route alternatives before the consideration of truck restrictions for a road corridor).
- The drainage on Forest Avenue, especially in the area of Lincoln Road, is poor. Any reconstruction projects should consider ameliorating poor drainage on Forest Avenue.
- Any projects that call for the installation of traffic signals should include an OPTICON system, especially at the Forest Avenue/West Street intersection.



Public Workshop held August 25, 2014 at the Brockton Public Library

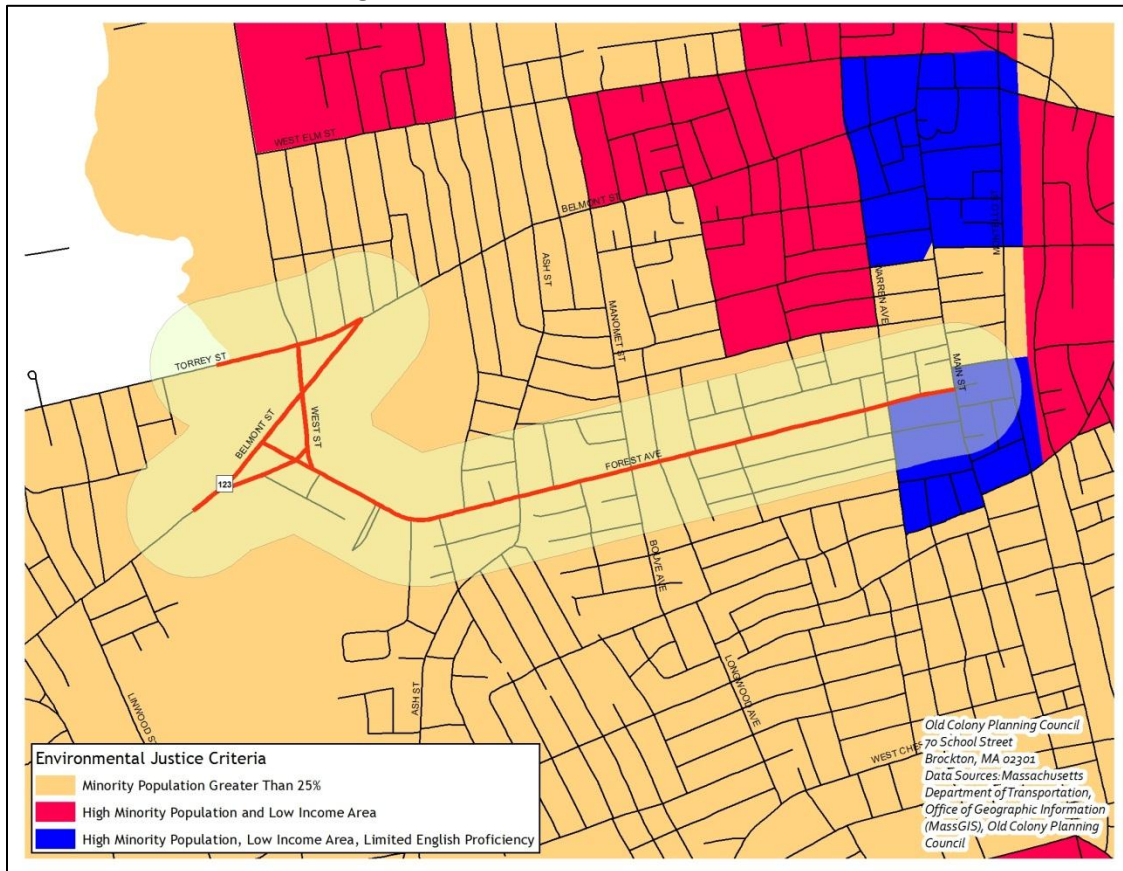
### 1.3.3 Environmental Justice Areas

OCPC's public outreach program identified stakeholders based on federal aid guidelines, which includes providing access to Environmental Justice populations, as well as the business community, individuals and businesses involved in mobility, and other interested parties and individuals. Figure 2 shows the Environmental Justice areas in the study area. These areas are based on census blocks and block groups that have high minority populations, high populations of low income, and high populations with limited English proficiency and foreign born populations. There are three fundamental Environmental Justice principles:

- To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority populations and low-income populations.
- To ensure the full and fair participation by all potentially affected communities in the transportation decision-making process.
- To prevent the denial of, reduction in, or significant delay in the receipt of project benefits by minority populations and low-income populations.

Public involvement is an integral part of transportation planning and project development decision-making. MassDOT directs greater access to information and opportunities for public participation in matters that may affect human health and the environment for minority populations and low-income populations.

Figure 2 – Environmental Justice Areas



## 2 Previous Studies and Planned Improvements

### 2.1 Functional Design Report for Traffic and Safety Improvements to Belmont Street

In July of 2010, the *Functional Design Report for Traffic and Safety Improvements to Belmont Street* was completed by a consultant for the Massachusetts Department of Transportation. The study was conducted for an improvement project extending along Belmont Street (Route 123) from Pilgrim Avenue to east of Angus Beaton Drive, a distance of approximately 2,450 feet. The signalized intersection of Belmont Street, Angus Beaton Drive and the Westside Plaza driveway is included within the project limits. The improvement project includes safety and operational improvements at the intersection of Belmont Street, Linwood Street, and Lorraine Avenue, as well as work along all side streets within the project area. The purpose of the project is to improve vehicular, pedestrian, and bicycle safety and to provide efficient traffic operations in the corridor. Proposed improvements include roadway widening and pavement rehabilitation, sidewalk reconstruction, installation of a new traffic signal, and new signs and pavement markings. The project also includes minor alterations to existing driveway locations, utility poles, and utility structures. The scope of the proposed improvements was determined in part as the result of a Road Safety Audit (RSA) performed for the intersection of Belmont Street, Linwood Street, and Lorraine Avenue in August 2009.

The functional design report identified a number of operational and safety deficiencies, including:

- A crash rate higher than statewide average at the Belmont Street/Angus Beaton Drive/Westside Plaza driveway intersection.
- Poor pavement conditions.
- Difficult pedestrian crossing due to heavy traffic volume and speeds throughout the Belmont Street corridor.
- Lack of bicycle accommodation within the Belmont Street corridor.

The functional design report included a number of improvements corridor-wide along Belmont Street as well as at specific intersections to address the operational and safety deficiencies. These included:

- Provide a uniform 52-foot width for Belmont Street within the project limits. This will be striped for two 11-foot travel lanes and a four-foot shoulder in each direction.
- Provide an additional lane for westbound left turning vehicles on Belmont Street at Linwood Street.
- Maintain turning lanes at Angus Beaton Drive and the Westside Plaza driveway.
- Realign Linwood Street and Lorraine Avenue so that they form a 4-way intersection with Belmont Street and install a new traffic signal at the Belmont Street, Linwood Street, and Lorraine Avenue intersection, including full actuation and pedestrian indications and pushbuttons.
- Provide a minimum five-foot paved sidewalk with a three-foot grass strip on the north side of Belmont Street and on the south side of Belmont Street between Pilgrim Avenue and Linwood Street. Provide a minimum 5'6" paved sidewalk in all other areas where a grass strip cannot be accommodated due to turn lanes.
- Install granite curb on both sides of Belmont Street throughout the project limits.
- Provide new handicapped access ramps at all intersections.
- Maintain the crosswalk crossing at the Belmont Street/Angus Beaton Drive/Westside Plaza intersection, and provide a new crosswalk at the intersection at Linwood Street and Lorraine Avenue.
- Make improvements to the existing drainage system. Adjust existing system and structures, as necessary, to address drainage concerns and implement proposed improvements.
- Provide new pavement markings and signs throughout project.
- Relocate utility poles at locations of roadway widening at signalized intersections.
- Relocate the bus shelter adjacent to Angus Beaton Drive and widen the Belmont Street roadway to provide a bus turnout lane.

No timing or phasing improvements were proposed at the intersection of Belmont Street, Angus Beaton Drive, and the Westside Plaza driveway. It was expected that this intersection will continue to operate at favorable levels-of-service under 2030 conditions. It is anticipated that MassDOT will make future improvements at this intersection along with the intersection of Belmont Street/West Street/Westside Plaza, with which it is coordinated.



### 3 Existing Conditions

#### 3.1 Study Area Roadway Characteristics

##### Forest Avenue

Forest Avenue in Brockton is a two lane residential Urban Collector road that provides access between Main Street and Belmont Street (Route 123) in southwest Brockton. The road is approximately 1.36 miles long and is surrounded and intersected mainly by residential local streets. In addition to providing its collector function, transitioning traffic from local residential streets to arterials and the regional network, Forest Avenue is used heavily as an east west cut through corridor between Brockton Downtown and the west side of Brockton. It provides an alternative east west route in Brockton to the Pleasant Street (Route 27) corridor and the Belmont Street (Route 123) corridor.

The land use along Forest Avenue is mainly residential except for the western part of the road, which includes heavy traffic generators including the Brockton Fairgrounds, Brockton High School, and the Massachusetts Registry of Motor Vehicles. In addition, Forest Avenue provides access to the Shaw's Center and Campanelli Stadium, as well as the Westside Plaza retail complex, which has an entrance drive located at the Forest Avenue/Belmont Street intersection.

The pavement width on Forest Avenue is approximately 32 feet from curb to curb, which includes two twelve foot travel lanes and four to five foot shoulders on both sides of the road. Forest Avenue is an old road that was laid out in 1883 with a right of way of 50 feet. In addition, the traffic signals at key intersections are pole mounted and antiquated, which hampers motorist visibility. There are sidewalks on both sides of Forest Avenue with raised curbs. The widths of the sidewalks are mostly four to five feet; however, in some portions of the road the sidewalk widths vary between five feet and eight feet. The pavement surface on Forest Avenue is in poor condition and the surface of the sidewalk is in poor condition with street lights, utility poles, and overgrown trees that crowd the sidewalk. Some of the trees, especially in the vicinity of the Ash Street intersection, are so overgrown that the roots from the trees have cracked and corrugated the sidewalk surface, creating hazardous walking conditions for pedestrians. The trees are so old and the circumference of the trees so wide that they take up almost the entire sidewalks with little room for pedestrians to walk or wheelchairs to pass. Pedestrian traffic is heavy on Forest Avenue due to its residential nature and the close proximity of Brockton High School.



Forest Avenue looking westbound at the Bouve Avenue and Manomet Street intersection with pole mounted traffic signals set off to the side hampering visibility

### Belmont Street

Belmont Street (Route 123) is an Urban Principal Arterial highway providing east west travel in Brockton. Route 123 connects to I-495 in Norton and extends east through Easton, Brockton, and Abington to Route 3 in Norwell. Route 123 connects to important north south highways including Route 138 in Easton, Route 24 and Route 28 in Brockton, and Route 18 in Abington. Belmont Street (Route 123) has a four lane cross section in Brockton from Route 24 to West Street. Belmont Street (Route 123) is under state jurisdiction in Brockton from the Easton Town Line to West Street. East of West Street, Belmont Street (Route 123) is under the jurisdiction of the City of Brockton where it narrows to a two lane cross section at the Belmont Street (Route 123)/Torrey Street intersection. Within the study area, from Angus Beaton Drive to Torrey Street, Belmont Street has sidewalks on both sides of the road with one foot shoulders that are too narrow to safely accommodate bicycle travel. The pavement surface is in poor condition on Belmont Street from Angus Beaton Drive to West Street. East of West Street to Torrey Street, the pavement surface was restored in the spring of 2014. There are numerous curb cuts along Belmont Street to service businesses along this busy retail area. The right of way along Belmont Street (Route 123) is approximately 60 feet (according to MassDOT layout plans), within the study area; however, at its intersection with Forest Avenue at Westside Plaza, Belmont Street contains 70 feet of right-of-way. The speed limit on Belmont Street (Route 123) is 35 miles per hour (based on Special Speed Regulations 393 and 393A from MassDOT).

The land use along Belmont Street (Route 123) includes mostly retail and commercial establishments; however, Brockton High School has an entrance off of Belmont Street (Route 123) at Angus Beaton Drive opposite the Westside Plaza. In addition, the Brockton Fairgrounds is also located on Belmont Street (Route 123), just east of West Street. This large generator of vehicle trips is seasonal, with the Brockton Fair being open only during the Fourth of July week each year. During the week that the Brockton Fair is open, police place temporary barricades on West Street to make West Street a one-way street northbound between Forest Avenue and Belmont Street. This temporary one-way scheme re-routes West Street southbound traffic to turn right onto Belmont and then left onto Forest Avenue at the Belmont Street/Forest Avenue/Westside Plaza intersection. Also, left turns from Belmont Street to West Street are re-routed straight ahead to the Belmont Street/Forest Avenue/Westside Plaza intersection for access to Forest Avenue.



Barricades create temporary one-way traffic northbound on West Street during the Brockton Fair, (looking southbound from the Belmont Street/West Street intersection)

### Torrey Street

Torrey Street is a two-lane Urban Minor Arterial that runs from Belmont Street (Route 123) in Brockton west to the Easton Town Line. Torrey Street is under Brockton jurisdiction and becomes Main Street in Easton connecting to Route 138 and to Easton Town Center. Torrey Street is approximately 32 feet wide with two 12 foot travel lanes and two four foot shoulders on both sides of the road. The land use along Torrey Street is mostly residential except where it intersects West Street and Belmont Street (Route 123). The two main retail areas abutting Torrey Street include Ocean State Job Lot and Westside Plaza. Heavy traffic volumes utilize the Westside Plaza retail area to cut between Torrey Street and Belmont Street (Route 123), thereby avoiding the Torrey Street/West Street signalized intersection and the West Street/Belmont Street (Route 123) intersection. There are five foot sidewalks on both sides Torrey Street within the study area.

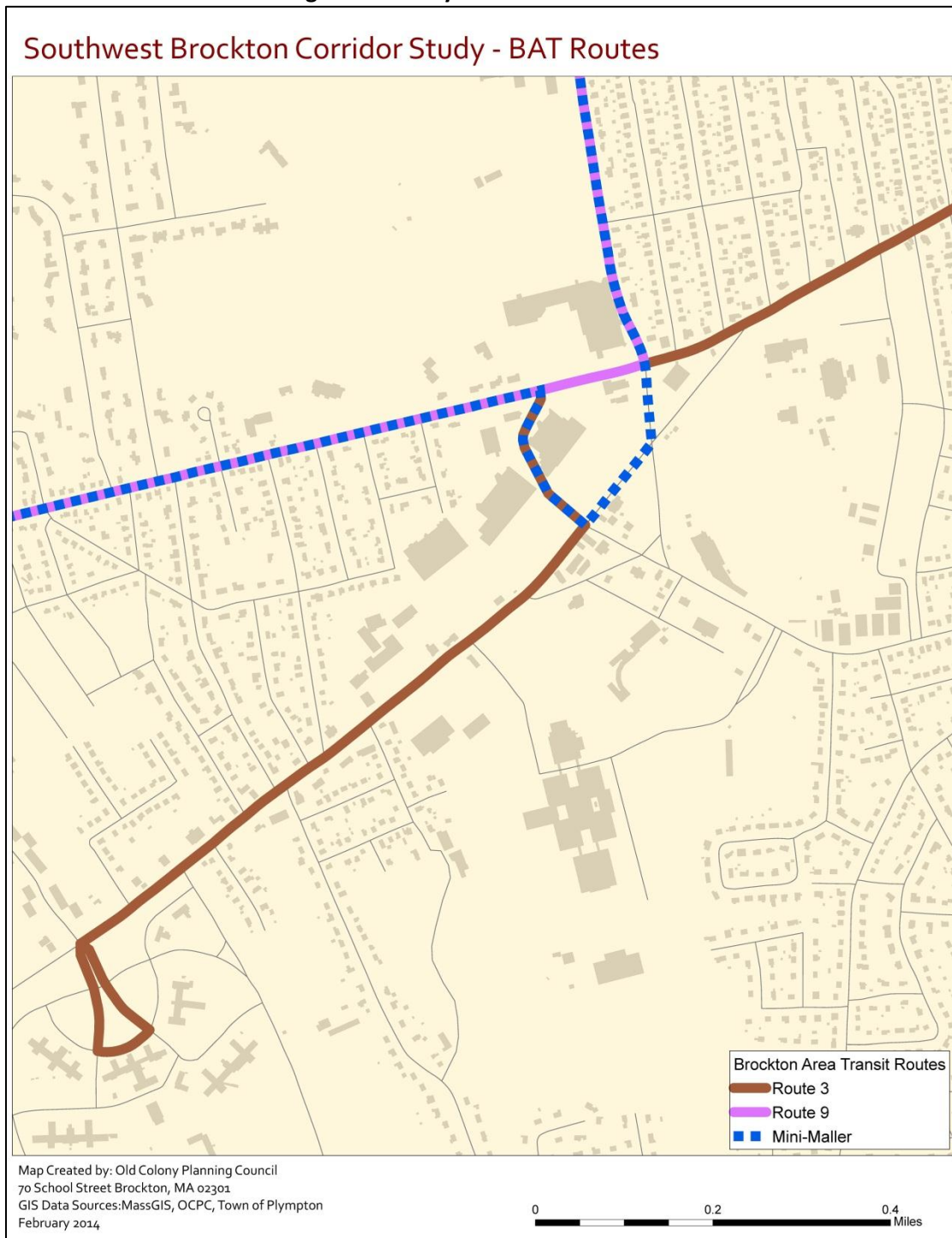
### West Street

West Street is a two-lane Urban Minor Arterial under Brockton jurisdiction. It runs south from Pleasant Street (Route 27) to Belmont Street (Route 123). It intersects Belmont Street (Route 123) twice as it crosses Belmont Street (Route 123) at a point adjacent to the Brockton Fairgrounds, creating a signalized four-way intersection, it then curves west crossing Forest Avenue adjacent to a registered historic cemetery, and then it intersects Belmont Street again at a signalized four-way intersection at the Westside Plaza drive. The land use adjacent to West Street within the study area consists mainly of retail and commercial, but also includes the Brockton Fairgrounds as well as a Brockton Fire Station.

### **2.3.3 Public Transportation**

The Brockton Area Transit Authority (BAT) operates several bus routes within the Southwest Brockton Study area. These include BAT Route Number 3, BAT Route Number 9, and the mini-maller. BAT Route 3 runs from downtown Brockton to the V.A. Hospital along Belmont Street. BAT Route 9 runs between downtown Brockton along West Elm Street to West Street and Torrey Street to an industrial area just southwest of the Route 24/Route 123 interchange. BAT signs denoting fixed route stops are located on utility poles within the project limits, and riders can also signal a bus to stop by raising their arm as the bus approaches. There is a bus shelter on Belmont Street eastbound at the east side of the Belmont Street/Angus Beaton Drive/Westside Plaza driveway intersection, just outside of the Brockton High School entrance. In addition, there is a bus shelter in the Westside Plaza as well as one on Torrey Street, just east of the Ocean State Job Lot/Torrey Street/Westside Plaza intersection. The BAT bus routes within the study area are shown in Figure 3.

Figure 3 – Study Area BAT Bus Routes



### 3.1.1 Average Daily Traffic, Prevailing Speeds, and Heavy Vehicles

Automatic traffic recorders were used to determine the average daily traffic (ADT) at specific locations within the study area as well as on key intersecting streets. The traffic recorders were installed for a minimum 48-hour period and recorded traffic for both directions of travel in one-hour intervals. The traffic recorders were programmed to record vehicle speeds and the number of heavy vehicles in the

traffic stream, as well as the traffic volumes. They were installed at a number of locations within the study area. Table 2 shows the average daily traffic (24-hour total for both directions of travel), as well as the prevailing 85<sup>th</sup> percentile speeds, and the percentage of heavy vehicles. The automatic traffic recorder count reports are included in the appendix to this study.

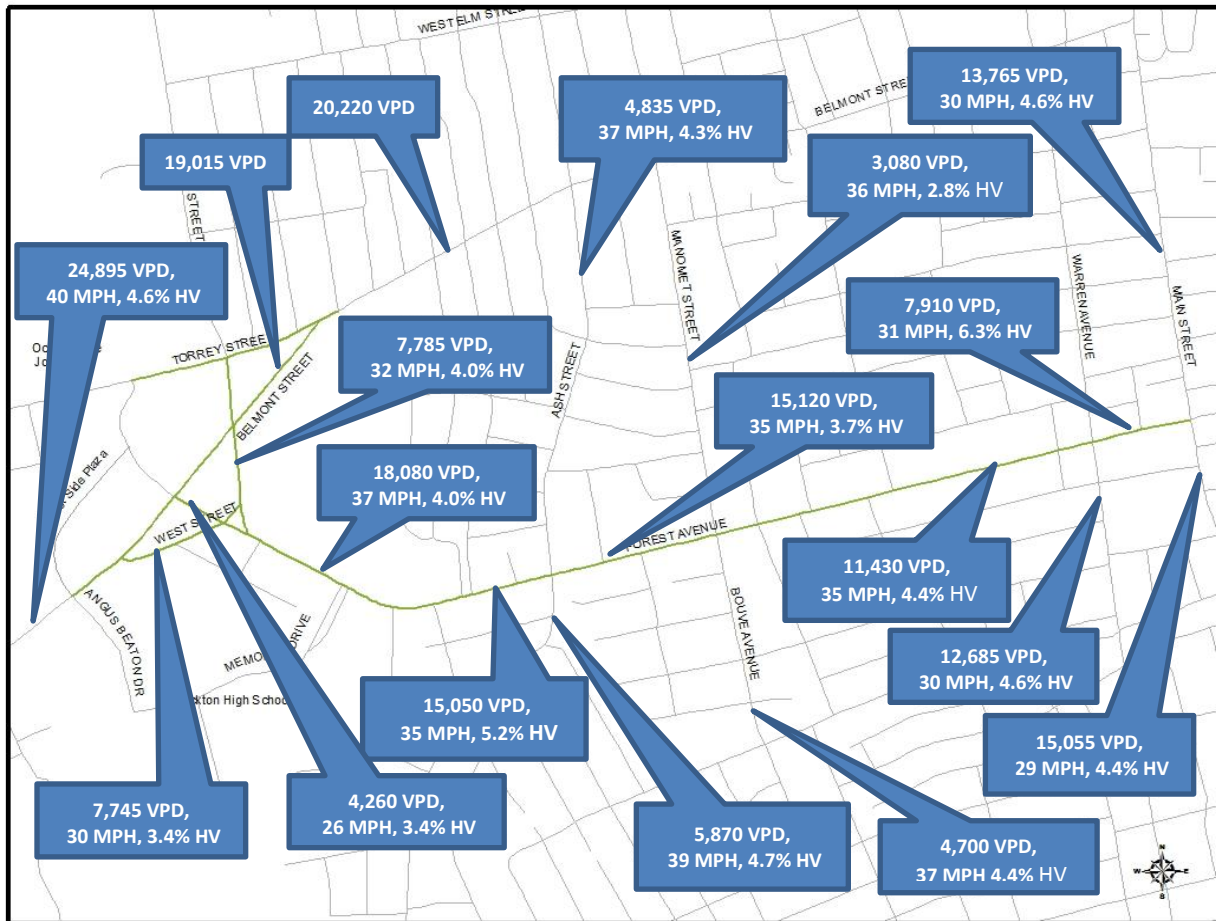
**Table 2 – 2013 Automatic Traffic Recorder Counts\***

Location	2014 Average Daily Traffic	85th Percentile Speed	Percent Heavy Vehicles
Forest Avenue west of Main Street	7,910	31 MPH	6.3 %
Forest Avenue west of Warren Avenue	11,430	35 MPH	4.4 %
Forest Avenue east of Ash Street	15,120	35 MPH	3.7 %
Forest Avenue west of Ash Street	15,050	35 MPH	5.2 %
Forest Avenue east of West Street	18,080	37 MPH	4.0 %
Forest Avenue West of West Street	4,260	26 MPH	3.4 %
West Street south of Forest Avenue	7,745	30 MPH	3.4 %
West Street north of Forest Avenue	7,785	32 MPH	4.0 %
Belmont Street (Route 123) west of Angus Beaton Drive**	24,895	40 MPH	4.6 %
Belmont Street (Route 123) west of Torrey Street**	19,015	NA	NA
Belmont Street (Route 123) west of Moraine Street**	20,220	NA	NA
Ash Street north of Forest Avenue	4,835	37 MPH	4.3 %
Ash Street south of Forest Avenue	5,870	39 MPH	4.7 %
Manomet Street north of Forest Avenue	3,080	36 MPH	2.8 %
Bouve Avenue south of Forest Avenue	4,700	37 MPH	4.4 %
Warren Avenue south of Forest Avenue	12,685	33 MPH	4.9 %
Main Street north of Forest Avenue	13,765	30 MPH	4.6 %
Main Street south of Forest Avenue	15,055	29 MPH	4.4 %

\*Counts were from 2013 and were increased by 1 percent per year to reflect 2014 volumes. \*\*Archived counts from MassDOT increased by 1 percent per year to reflect 2014 volumes. MPH = Miles Per Hour. NA = Not Available

The highest daily traffic volumes were recorded on Belmont Street (Route 123) west of Angus Beaton Drive with 24,895 vehicles per day. This occurred on the four-lane cross section of Belmont Street. Traffic volumes on Belmont Street (Route 123) west of Torrey Street were 19,015 vehicles per day and 20,220 vehicles per day west of Moraine Street where Belmont Street narrows down to a two lane cross section. The highest volumes on Forest Avenue were 18,080 vehicles per day occurring east of West Street. This area of Forest Avenue includes the Registry of Motor Vehicles and the Brockton High School entrance, both high vehicle volume generators. Despite the fact that Forest Avenue is a residential collector road, it experiences high daily vehicle volumes. Forest Avenue east of Ash Street carries 15,120 vehicles per day, and Forest Avenue west of Ash Street carries 15,050 vehicles per day. The volumes are less on Forest Avenue in the vicinity of Warren Avenue and Main Street with 11,430 vehicles per day on Forest Avenue west of Warren Avenue and 7,910 vehicles per day west of Main Street. The higher volume side roads include Main Street with 13,765 vehicles per day north of Forest Avenue and 15,055 vehicles per day south of Forest Avenue, as well as Warren Avenue with 12,685 vehicles per day south of Forest Avenue. Ash Street experienced 4,835 vehicles per day north of Forest Avenue and 5,870 vehicles per day south of Forest Avenue. Bouve Street experienced 4,700 vehicles per day south of Forest Avenue and Manomet Street had the lowest side street volume with 3,080 vehicles per day. Figure 4 shows the Average Daily Traffic, the 85<sup>th</sup> Percentile Speeds, and the percentage of heavy vehicles in the traffic flow at each count location within the Southwest Brockton study area. The 85<sup>th</sup> Percentile speed is the speed at which 85 percent of the traffic is traveling at or less.

**Figure 4 - Vehicles Per Day (VPD), 85<sup>th</sup> Percentile Speeds (MPH), and Percent Heavy Vehicles (HV)**



**3.1.2 2013 Intersection Peak Hour Levels-of-Service (LOS)**

This study includes analysis at fourteen intersections (nine signalized and four un-signalized) in the Southwest Brockton study area. Level-of-service analyses (LOS) were completed for the study area intersections to determine the operating conditions during the morning and afternoon peak hours. Level-of-service analysis is a qualitative and quantitative measure based on the analysis techniques published in the *Highway Capacity Manual* by the Transportation Research Board. Level-of-service is a general measure that summarizes the overall operation of an intersection or transportation facility. It is based upon the operational conditions of a facility including lane use, traffic control, and lane width. It takes into account such factors as operating speeds, traffic interruptions, and freedom to maneuver. Level-of-service represents a range of operating conditions and is summarized with letter grades from “A” to “F”, with “A” being the most desirable. Level-of-service “E” represents the maximum flow rate or the capacity on a facility. Level-of-service “F” represents forced flow or bottleneck conditions. The following describes the characteristics of each level-of-service:

- LOS "A" represents free flow. Individual users are virtually unaffected by the presence of others in the traffic stream.
- LOS "B" is in the range of stable flow, but the presence of other users in the traffic stream begins to be noticeable. Freedom to select desired speeds is still relatively unaffected.

- LOS "C" is in the range of stable flow, but marks the beginning of the range of flow in which the operation of individual users becomes significantly affected by interactions with others in the traffic stream. Occasional backups occur behind turning vehicles.
- LOS "D" represents high-density, but stable, flow. Speed and freedom to maneuver are restricted, and the driver experiences a below average level of comfort and convenience as operations approach the capacity of the facility. Small increases in traffic flow will generally cause operational problems at this level.
- LOS "E" represents operating conditions at or near the capacity level. All speeds are reduced to a low, but relatively uniform level. Freedom to maneuver within the traffic stream is extremely limited, and generally requires forcing other vehicles to give way. Congestion levels and delay are very high.
- LOS "F" is representative of forced or breakdown flow. This condition exists wherever the amount of traffic approaching a point exceeds the amount that can traverse the point, resulting in lengthy queues and delay.

The LOS definitions describe conditions based on a number of operational parameters. There are certain parameters utilized as measures of effectiveness for specific facilities. In the case for intersections, two-lane highways, and arterials, which represent the physical conditions that typify the study area corridors, time delay, average stop delay, and average travel speed are used as measures of operational effectiveness to which levels-of-service are assigned. Table 3 shows the delay criteria for each level-of-service for both un-signalized and signalized intersections.

**Table 3 - Level-of-Service Criteria Average Delay in Seconds**

Level-of-Service	Stop Sign	Traffic Signal
A	0 to 10	0 to 10
B	>10 to 15	>10 to 20
C	>15 to 25	>20 to 35
D	>25 to 35	>35 to 55
E	>35 to 50	>55 to 80
F	>50	>80

Table 4 summarizes the signalized and un-signalized levels-of-service for the study area intersections under existing peak hour conditions. The analysis includes a morning peak hour, evening peak hour, and after school peak hour. The analysis includes an after school peak hour because of the traffic impact of Brockton High School on the study area intersections and the local road network. Failed traffic operations at intersections in Table 4 (LOS "E" and "F") are shown in shaded blocks. Level-of-Service "D" represents long delays and back-ups with volumes approaching congestion.

**Table 4 – 2014 Intersection Level-of-Service Analysis**

	Intersection Location	Traffic Control	AM LOS	PM LOS	School Peak LOS
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza/Forest Street	Signal	A	B	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	C	B
6	Belmont Street at Torrey Street	Signal	B	B	B
7	Forest Ave at West Street (Four-way intersection)	Stop Sign			
	Forest Avenue Eastbound Through, Right		A	C	A
	Forest Avenue Westbound Through, Left		B	C	B
	West Street Southbound Through, Right		A	B	B
	West Street Northbound Through, Right		A	B	A
8	Forest Ave at West Street (T intersection south of library)	Stop Sign			
	Eastbound Through, Left		A	A	A
	Southbound Left and Right		C	F	F
9	Forest Ave at Memorial Drive (Brockton High School)	Stop Sign			
	Memorial Drive Northbound Left		F	E	F
	Memorial Drive Northbound Right		C	C	D
10	Forest Avenue at Ash Street	Signal	B	B	C
11	Forest Avenue at Bouve Avenue/Manomet Street	Signal	D	E	F
12	Forest Avenue at Warren Avenue	Signal	B	B	B
13	Forest Ave at Main Street and Martin Place	Stop Sign			
	Forest Avenue Eastbound Left, Through, Right		F	F	E
	Martin Place Westbound left, Through, Right		D	F	C
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	D

The summary of the existing signalized peak hour level-of-service (LOS) analysis in Table 4 shows problem locations with forced flow, congestion, and long delays and back-ups. The Belmont Street at Angus Beaton Drive/Westside Plaza intersection experiences overall LOS “D” conditions with long delays during the afternoon school peak hour. Although the morning peak hour experiences LOS “C” conditions, left turns on the eastbound Belmont Street approach into the Brockton High School campus at the Belmont Street at Angus Beaton Drive/Westside Plaza intersection experience very long back-ups and delays during the morning peak hour. Observations of traffic operations during the morning peak hour indicate that the queues due to congestion at this intersection back-up regularly from the High School entrance to the Belmont Street/Forest Avenue intersection in the Belmont Street eastbound direction. In addition, the northbound left turns from Angus Beaton to Belmont Street also experience long delays during the school peak hour at this intersection. The signalized Forest Avenue at Bouve Avenue/Manomet Street intersection also experiences forced flow and congested conditions. This intersection experiences overall LOS “D”, long delays, during the AM Peak, LOS “E” during the PM Peak Hour, and LOS “F”, forced flow, during the afternoon School Peak Hour.

The results of the existing un-signalized peak hour level-of-service analysis in Table 4 show that four of the five un-signalized intersections experience poor levels-of-service (Level-of-Service “E” and “F”) during the either the morning, afternoon, or school peak hours. Failing LOS occurs for the southbound left turn movements at the Forest Avenue at West Street intersection. The southbound left turns



queue back to the Belmont Street/West Street intersection daily. At the Forest Avenue/Memorial Drive intersection, (which is an additional Brockton High School access to the Angus Beaton/Belmont Street intersection), the Memorial Drive northbound left turn movement experiences LOS “E” and “F” during the AM Peak, the PM Peak, and the afternoon School Peak. Both the Forest Avenue/Main Street/Martin Place intersection and the Torrey Street/West Side Plaza/Ocean States Job Lot intersection experience failed LOS (LOS “E” and “F”) during the AM Peak, PM Peak, or afternoon School Peak on the minor street approaches. The un-signalized intersections show poor peak hour levels-of-service on the critical side street approaches due to high volumes on the main street. There are not enough gaps in the main street traffic sufficiently long enough to allow minor street movements to turn safely into the main street traffic stream. The average delays on the side streets at these intersections are between 35 and 50 seconds (LOS “E”) or exceed 50 seconds (LOS “F”), (see Table 3).

### 3.1.3 Intersection Crash Experience

Crash data for the fourteen study area intersections within the Southwest Brockton study area was obtained for the latest available three-year period (2010-2011-2012) from the Massachusetts Department of Transportation (MassDOT). The data is compiled by MassDOT and is made available by the Massachusetts Registry of Motor Vehicles. The data was compiled and analyzed in accordance with the standard practices published by the Institute of Transportation Engineers (ITE) in the *Manual of Traffic Engineering Studies*. Crash rates were calculated and compared with the average crash rates for the State and for MassDOT District 5.

Crash rates are used, according to the *Manual of Traffic Engineering Studies* to characterize the crash exposure of a facility. Crash rates for intersections are calculated based on the average number of crashes per million entering vehicles (MEV). The statewide average crash rates are 0.80 MEV for signalized intersections and 0.60 MEV for un-signalized intersections. The Massachusetts DOT District 5 average crash rates are 0.77 MEV for signalized intersections and 0.58 MEV for un-signalized intersections.

The purposes for analyzing crash data include:

- To define and identify high crash locations.
- To justify the installation of traffic control devices.
- To evaluate the geometric design (including lane use) and proposed changes in traffic regulations.
- To justify expenditures for improvements that offer crash reduction or prevention.
- To identify a need for traffic enforcement.
- To identify needs in pedestrian and bicycle safety and certain actions causing crashes that can be prevented through driver and/or public education.

The number of crashes often increases as traffic volumes increase. Traffic growth creates more opportunities for crashes and therefore increases vehicle exposure to crashes. A particular condition that causes crashes at an intersection can become exacerbated with increased traffic, and frequency will therefore rise. The crash rate utilized for intersection analysis is the crash rate per million entering vehicles, which is the average number of accidents per year (over three years) times one million, divided by the number of vehicles entering the intersection in a year.

Table 5 summarizes the number of crashes and corresponding crash rates for the study area corridor intersections for the three year history 2010, 2011, and 2012. Crash rates that exceed the statewide and District 5 crash rate averages are shaded.

**Table 5 - Intersection Crashes and Crash Rates**

		Traffic Control	Injury crash	Property damage only	Fatal	Number of Crashes	Crash Rate
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	6	7	1	13	0.52
2	Belmont Street at Westside Plaza/West Street	Signal	4	10	0	14	0.59
3	Belmont Street at Westside Plaza/Forest Avenue	Signal	8	13	0	21	0.95
4	Belmont Street at West Street	Signal	12	18	0	30	1.30
5	Torrey Street at West Street	Signal	6	19	0	25	1.03
6	Belmont Street at Torrey Street	Signal	8	5	0	13	0.66
7	Forest Avenue at West Street (four-way intersection)	Stop Sign	0	13	0	13	1.03
8	Forest Avenue at West Street ("T" intersection)	Stop Sign	1	1	0	2	0.11
9	Forest Avenue at Memorial Drive	Stop Sign	4	4	0	8	0.50
10	Forest Avenue at Ash Street	Signal	8	16	0	24	1.17
11	Forest Ave at Bouve Avenue/Manomet Street	Signal	15	15	0	30	1.77
12	Forest Avenue at Warren Avenue*	Signal	21	20	0	41	2.29
13	Forest Avenue at Main Street	Stop Sign	8	13	0	21	1.24
14	Torrey Street at Westside Plaza/Ocean State Job Lot	Stop Sign	8	5	0	13	0.76

*Crash Rates Average Massachusetts statewide: signalized 0.80 MEV, un-signalized 0.60, and MassDOT District 5 Crash Rate: signalized 0.77 signalized and 0.58 un-signalized. \*On Massachusetts Top 200 Hazardous Intersection List.*

Table 5 shows that the Forest Avenue at Warren Avenue intersection had the most crashes with 41 crashes within the three year study period. This intersection also had the highest crash rate, with 2.29 crashes per Million Entering Vehicles (MEV), which is more than double the statewide and District 5 average for signalized intersections. In addition, this intersection is listed in MassDOT's Top 200 Hazardous Intersection List (2011). The Belmont Street at West Street intersection and the Forest Avenue at Bouve Avenue/Manomet Street intersections had the second highest number of crashes with 30 crashes each. The Forest Avenue at Bouve Avenue/Manomet Street intersection also has a crash rate that is more than double the statewide and District 5 average. This intersection had the second highest crash rate within the study area. This intersection is also included on the MassDOT's Top 200 Hazardous Intersection List (2009). Collision diagrams developed for the intersections with the highest number of crashes are included in the appendix to this report.

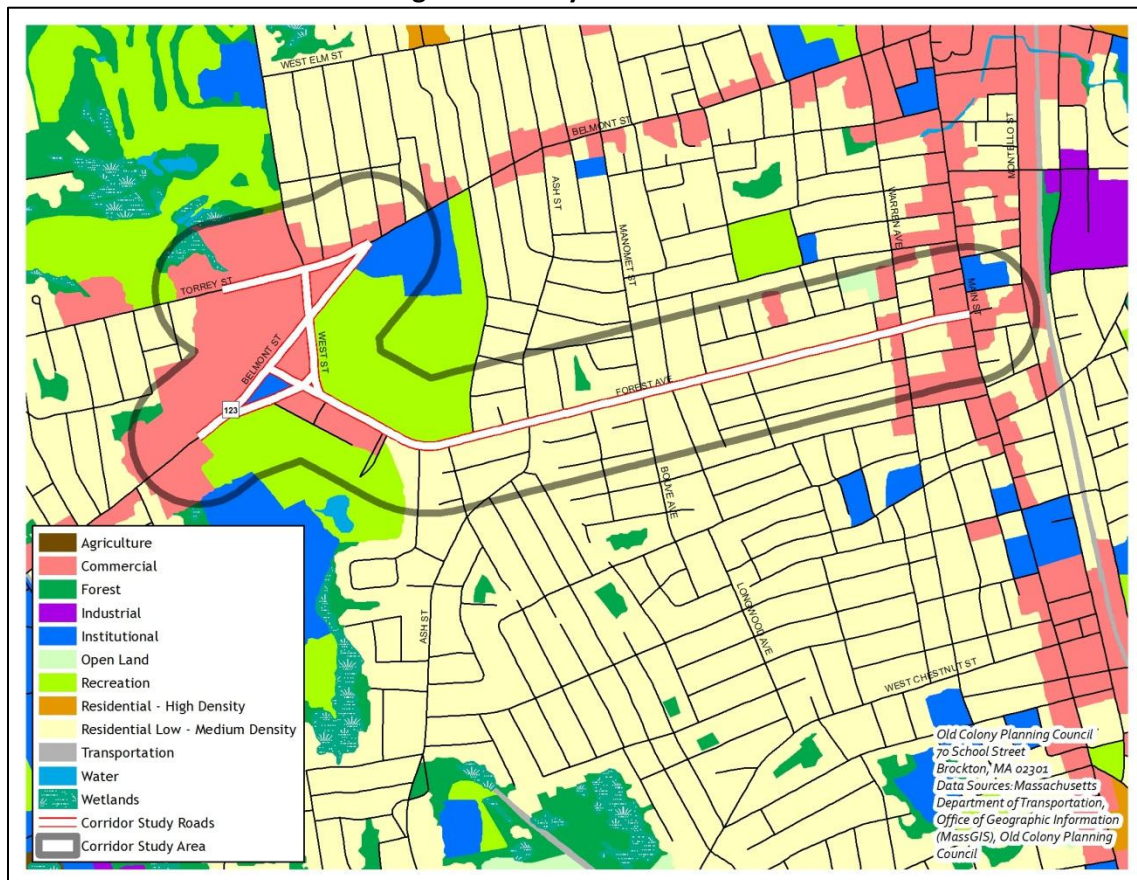
The study area intersections that exceeded the statewide and District crash rate average are shown in shaded blocks in Table 5. Eight of the fourteen study area intersections exceeded both the statewide and District 5 averages. There was one fatality recorded within the three year study period. This fatality occurred at the Belmont Street/Angus Beaton Drive/Westside Plaza intersection and involved a passenger car hitting a person who was crossing Belmont Street (Route 123) in a wheelchair. Although the person crossing was within the crosswalk while crossing, the traffic signals on Belmont Street (Route 123) were green when the pedestrian was hit. In addition, a fatality occurred on September 28, 2014 when a pedestrian was struck while walking across Belmont Street near the Belmont Street (Route 123)/West Street/Westside Plaza intersection (at the 7-11 convenience store).

### 3.1.4 Land Use and Zoning

Land use along Forest Avenue is primarily residential except in the western portion of the road in the vicinity of the Brockton High School. The portion of Forest Avenue west of Ash Street includes a variety of land uses including educational and institutional (Brockton High School, Registry of Motor Vehicles, and the branch public library), event facilities (Brockton Fairgrounds, Campanelli Stadium, and the Shaw’s Center), and retail (Westside Plaza, Stop and Shop, and Shaw’s Supermarket). The land use along Belmont Street (Route 123) in the study area includes Brockton High School, Brockton Fairgrounds, as well as a number of retail properties, including Westside Plaza. These retail properties create a high number of curb cuts and driveways off of Belmont Street (Route 123). The high number of curb cuts and driveways along the road increases turning movements to and from retail properties. This increases vehicle conflicts leading to crashes, and impedes the traffic flow through the Belmont Street (Route 123) corridor. Access management, which is the control and management of the number and types of access points along a corridor, is one of the methods in which the city can reduce crashes in the corridor and conserve the capacity of the road.

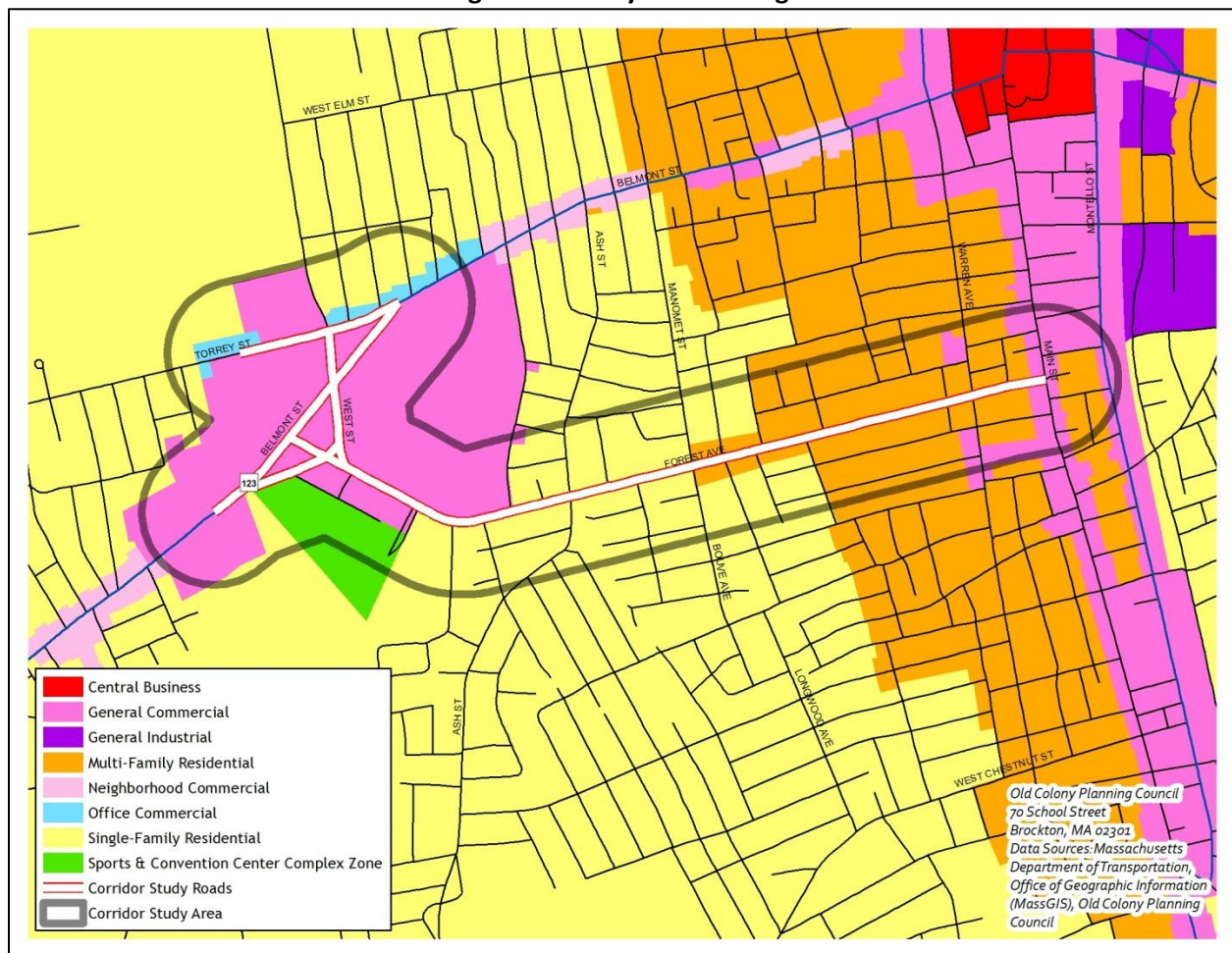
The land use along Torrey Street, within the study area, includes residential and retail land uses with Westside Plaza and Ocean State Job Lot adjacent to the road. West Street, within the study area, includes a fire station, the branch library, as well as retail establishments. In addition, the Brockton Fairgrounds also abuts West Street, as does the Our Lady of Lourdes Catholic Church. Figure 5 shows the land use for the study area.

**Figure 5 - Study Area Land Use**



Forest Avenue, on its south side, is zoned for residential from Main Street to Breer Street, which abuts the Brockton High School football stadium. Forest Avenue is also zoned residential on its north side from Main Street to Othello Street, which abuts the Brockton Fairgrounds property. Forest Avenue is zoned Multi-Family Residential from Main Street west to Bouve Street and Manomet Street. It is zoned Single Family Residential from Bouve Street and Manomet Street to the Brockton Fairgrounds and the Brockton High School football stadium. West of Greer Street and Othello Street, Forest Avenue is zoned General Commercial. Property abutting both sides of West Street is also zoned General Commercial. Campanelli Stadium and the Shaw’s Center are zoned as a Sports and Convention Center Complex Zone, and the Brockton Fairgrounds is zoned as General Commercial, as is Westside Plaza. Property abutting Belmont Street (Route 123) is zoned General Commercial within the study area, as is property abutting Torrey Street, except east of West Street, where the north side of Torrey Street is zoned Office Commercial. The study area zoning is shown in Figure 6.

Figure 6 – Study Area Zoning



### 3.1.5 Pavement Conditions

OCPC uses pavement management software (PMS) to maintain a region-wide data base of pavement surface conditions for federal aid roads. The PMS includes a data base that documents the severity and extent of pavement deterioration and the implications for cost of maintenance and repair. The severity and extent of pavement surface deterioration is obtained via a windshield survey of roads and then entered into the PMS. The software calculates Pavement Condition Index (PCI) scores for the surveyed road segments. This is an index derived from an evaluation of pavement distress factors, average daily traffic, and roadway classification. The PCI is based on a scale of 1 to 100, with 100 indicating a flawless road surface. PCI scores of 95 or higher indicate that the road surface is in “Excellent” condition.

PCI scores between 85 and 94 indicate that the road has some distresses but is in “Good” condition. Roads with scores between 65 and 84 are in “Fair” condition and are in need of maintenance or mill and overlay repairs. Roads with scores below 65 are in “Poor” condition and need base rehabilitation or reconstruction and overlay.

Repairs recommended by the PMS, based on the road surface condition, include five general default repair strategies. These include:

1. Reconstruction – This work includes a combination of a number of tasks, including: complete removal and replacement of a failed pavement segment, road sub-base replacement (gravel, sand, and aggregates), drainage work, road realignment, and safety hardware (guard rail) installation.
2. Rehabilitation – The rehabilitation of pavements may include full and partial depth patching, joint and crack sealing, grouting and under-sealing, and grinding and milling in conjunction with overlays over two inches.
3. Preventive Maintenance – This work may include extensive crack sealing, chip sealing, and micro-surface or overlays less than two inches thick.
4. Routine Maintenance – This work may include crack sealing and pothole patching.
5. No Immediate Maintenance or Repair.

OCPC conducted a windshield survey of the roads within the study area including Forest Avenue, Belmont Street (Route 123), West Street, and Torrey Street as part of the region-wide pavement management system.

The pavement survey results showed that the surface condition of most of the study area roads are in “Poor” condition and are in need of Reconstruction or Rehabilitation. Forest Avenue is in “Poor” condition with Reconstruction required. Belmont Street (Route 123) between West Street and Torrey Street was recently repaved in the spring of 2014, and is in excellent condition; however, the road surface west of West Street to Angus Beaton Drive requires Reconstruction and Rehabilitation. Torrey Street is in “Poor” condition and requires Reconstruction, and West Street is in “Poor” condition and requires Rehabilitation and Reconstruction. A pavement condition map of the OCPC region is included in the appendix of this report.

### 3.1.6 Pedestrian and Bicycle Accommodations

#### Forest Avenue

The right of way on Forest Avenue is 50 feet, based on layout descriptions from the Plymouth County Registry of Deeds. The width of the pavement on Forest Avenue varies between 32 and 34 feet. This right of way provides for two twelve foot travel lanes, one for each direction of travel, with two shoulders (between 4 and 5 feet) for bicycle use along both sides of the road, and raised sidewalks

(approximately 5 to 6 feet) with granite curbs along both sides of the road. The speed limit is not posted on Forest Avenue, which according to state statute is 30 miles per hour in a thickly settled area (the houses are within 200 feet of each other). The sidewalks and shoulders along Forest Avenue provide adequate width for pedestrian and bicycle safety; however, other factors interfere with safe non-motorized travel. Forest Avenue is an older street and the trees have become overgrown. In many areas, especially in the vicinity of Ash Street, the diameters of the tree trunks are so large that they take up the entire sidewalk, thereby blocking pedestrian and wheelchair movement. The roots from the trees have grown up through the sidewalks creating hazardous conditions, especially for elderly and disabled individuals. In addition, the condition of the surface of the sidewalks is poor, with cracking and pieces of the surface missing or heaved, creating hazardous conditions throughout the Forest Avenue corridor.

The white line denoting the shoulders for bicycle use is faded on Forest Avenue and many motorists use the shoulders for parking or for passing on the right to go around vehicles turning left into side streets or driveways. In addition, the curb reveal is so low that some motorists will drive on the sidewalk to bypass other vehicles. There are no signs noting that the shoulders are for bicycle use. Although Forest Avenue is a residential connector road, the traffic volumes are heavy and the prevailing speeds are 35 miles per hour, which degrade bicycle levels-of-service, creating unsafe conditions for bicycle travel.



Forest Avenue in the vicinity of Ash Street with faded line denoting shoulders and poor sidewalk conditions



Forest Avenue at the Ash Street intersection showing overgrown vegetation impeding sidewalks, sidewalk obstacles, poor sidewalk surface conditions, and pole mounted traffic signals

### Belmont Street

Belmont Street (Route 123), within the study area, provides a four-lane cross section that includes two twelve foot travel lanes in each direction. In addition, there are two raised sidewalks on each side of the road with granite curbing. The sidewalk width varies between five and six feet. Belmont Street (Route 123) does not provide shoulders for bicycle travel and most cyclists ride on the sidewalk to avoid the heavy vehicle volumes and high speeds prevalent on Belmont Street (Route 123).



Belmont Street (Route 123) looking west (left photo), right photo shows Belmont Street (Route 123) looking east toward the West Street/West Side Plaza intersection

### Westside Plaza

Although the Westside Plaza is a privately owned retail property and its site is designed solely for automobile circulation and parking, it is serviced by Brockton Area Transit (BAT) bus routes. BAT buses stop in front of both the Shaw's Supermarket and Stop and Shop Supermarket (outbound), and also at a shelter adjacent to PETCO (inbound). The bus stop adjacent to PETCO includes a bus shelter, which is serviced by BAT buses that cut through the plaza from Forest Avenue to Torrey Street. There are very few raised sidewalks for safe pedestrian circulation within the Westside Plaza. An extensive sidewalk system is essential in supporting a fixed route bus serves such as that offered by the BAT system. In addition, the entrances to Westside Plaza at Angus Beaton Drive, West Street, and Forest Avenue lack any raised sidewalk system for pedestrians attempting to enter the plaza at these locations. Pedestrian sidewalks and safe crossings are particularly needed within the Westside Plaza at Angus Beaton because of the heavy student foot traffic the McDonald's generates after school dismissal.

### West Street

West Street, within the study area, provides two lanes, one lane for each direction of travel. North of Forest Avenue, West Street provides sidewalks on the east side of the road. The sidewalks are intermittent on the west side of the road; they are available in the vicinity of the Burger King Entrance and north of Belmont Street (Route 123). There are no sidewalks on West Street's east side south of the Burger King Entrance. West Street provides four foot shoulders for bicycle use on both sides of the road. The width of the shoulders varies between three and four feet.



West Street (left photo) looking north to Belmont Street (Route 123) from the Burger King entrance, right photo shows West Street north of Belmont Street (route 123) looking toward the Torrey Street intersection

### Torrey Street

Torrey Street, within the study area, provides two lanes, one for each direction of travel, as well as sidewalks along both sides of the road. It also provides shoulders for bicycle travel on both sides of the road. The sidewalk width varies between four and five feet and the shoulder width varies between three and four feet.

#### **3.1.7 Environmental Issues**

Any improvements to improve safety and/or relieve congestion should take into account the diversity of environmental features in a particular area. Figure 7 shows the types and location of environmental resources found within the study area. Much of the Southwest Brockton study area along Forest Avenue is well-developed. This part of the city is an older section developed at the turn of the 20<sup>th</sup> Century with minimal environmental issues or constraints. However, as shown in Figure 7, an aquifer lies beneath the portions of Belmont Street, West Street, and Torrey Street within the study area.

This area in the western portion of the study area includes a stream that runs north to south within a 100 Year Flood Zone. The stream empties into Flagg Pond, which is located east Brockton High School and south of Campanelli Stadium. The streams, and the 100 Year Flood Zone, continue south parallel to Ash Street. Wetlands are contained within the conservation land south of Brockton High School between Ash Street and Linwood Street. Flooding is most likely to occur within Federal Emergency Management Agency (FEMA) designated floodplains. Floodplains usually consist of low, flat, periodically flooded lands adjacent to streams, rivers, lakes and wetlands. Floodplains are separated into two frequency categories; 100 year floodplains (an area that has a one percent probability of occurring in any given year) and 500 year floodplains (an area that has a 0.2 percent probability of occurring in any given year). Flooding is most likely to occur within the 500 Year Floodplain north of Torrey Street (located within the golf course), and south of Belmont Street, within the 100 Year Floodplain through the Brockton High School property.

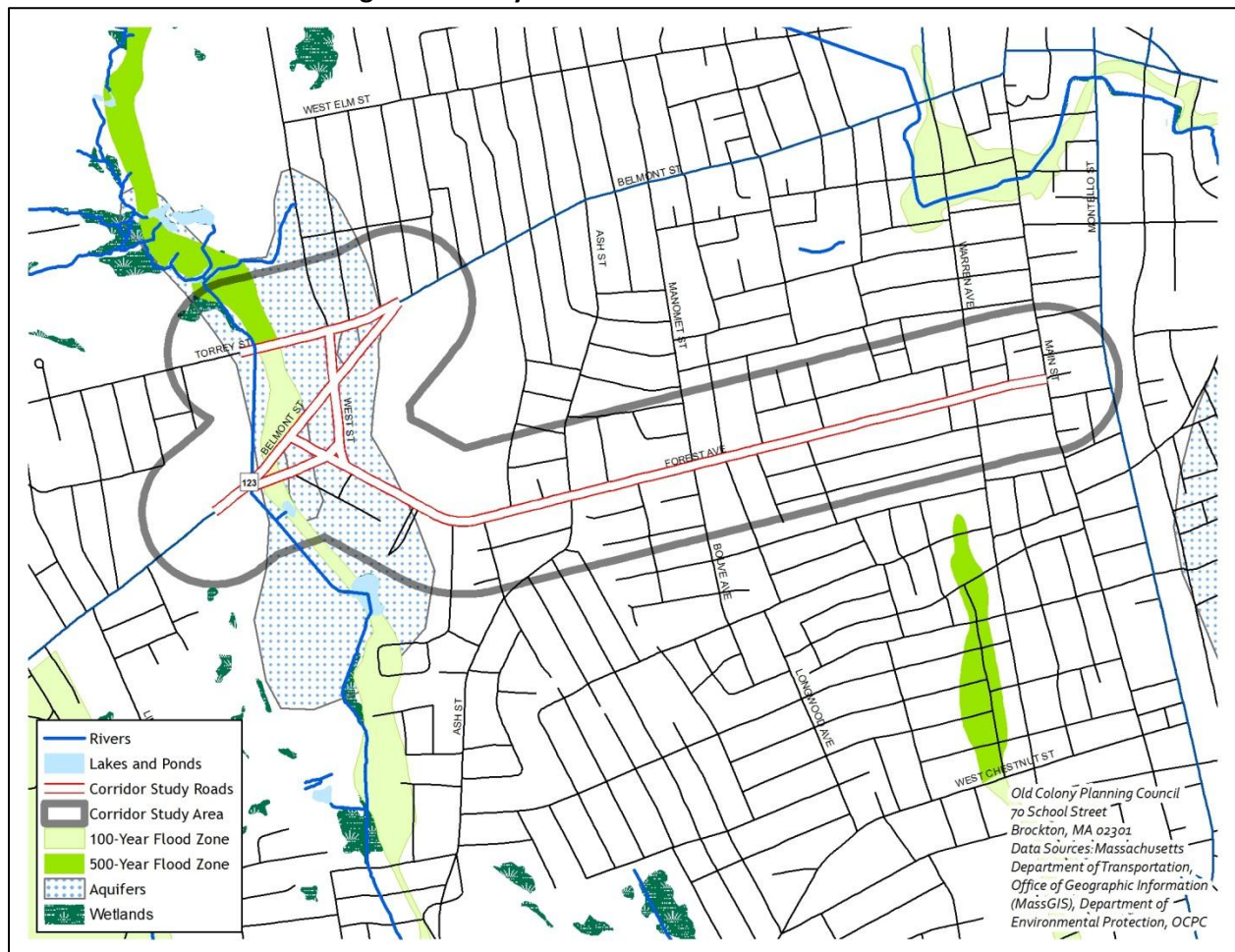
Aquifers are extensive groundwater supplies formed from ancient glacial deposits. The aquifer within the study area is located along West Street and Belmont Street and south into Campanelli Stadium, the Brockton High School Property, and around Flagg Pond.

Wetlands are areas of land that are saturated with water, either on a seasonal or permanent basis. Wetlands serve many important environmental functions, such as recharging groundwater supplies, providing floodwater capacity, and providing fish and wildlife habitat. There are a number of wetlands



included within the study area. Wetlands occur within the golf course north of Torrey Street, within the conservation lands south and west of Brockton High School, along Linwood Street, and also east of Ash Street.

**Figure 7 - Study Area Environmental Resources**



## 4 Future Conditions and Operations

### 4.1 Planned Improvements and Future Traffic Analysis

A five-year time horizon (Year 2019) has been chosen for analysis of future conditions, which is consistent with state guidelines for traffic studies. An average annual growth rate of 1.0 percent was used as a background growth rate to increase 2014 traffic to approximate future 2019 No-Build traffic. Intersection peak hour levels-of-service for the morning, afternoon, and school dismissal were performed for the No-Build traffic estimates. The average annual growth rate was derived from the overall regional growth for roads and arterials similar to the Southwest Brockton Corridor study area based on previous traffic counts in the OCPC region and archived by OCPC in its automatic traffic count program. Table 6 summarizes the levels-of-service for the No-Build peak hour conditions.

**Table 6 - No-Build Intersection Levels-of-Service**

	Intersection Location	Traffic Control	2019 No-Build		
			AM LOS	PM LOS	School Peak
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza/Forest Street	Signal	A	B	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	C	C
6	Belmont Street at Torrey Street	Signal	B	B	B
7	Forest Ave at West Street (Four-way intersection)	Stop Sign			
	Forest Avenue Eastbound Through, Right		A	B	B
	Forest Avenue Westbound Through, Left		B	C	B
	West Street Southbound Through, Right		A	B	A
	West Street Northbound Through, Right		A	C	B
8	Forest Ave at West Street (T intersection south of library)	Stop Sign			
	Eastbound Through, Left		A	A	A
	Southbound Left and Right		C	F	F
9	Forest Ave at Memorial Drive	Stop Sign			
	Memorial Drive Northbound Left		F	F	F
	Memorial Drive Northbound Right		C	C	E
10	Forest Ave at Ash Street	Signal	B	C	C
11	Forest Ave at Bouve Ave/Manomet Street	Signal	D	E	F
12	Forest Ave at Warren Ave	Signal	B	B	B
13	Forest Ave at Main Street/Martin Place	Stop Sign			
	Forest Avenue Eastbound Left, Through, Right		F	F	E
	Martin Place Westbound left, Through, Right		D	F	C
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	E

**4.2 Build Conditions**

The overall goal of this study is to develop short-term and long-term actions that enhance the efficiency of traffic flow and circulation. In addition, OCPC analysis efforts were undertaken to enhance safety and protect regional mobility, which is a stated goal in the *Old Colony Regional Transportation Plan*. The recommendations for this study were developed to reach these stated goals. A number of alternative recommendations are considered in this study based on the public outreach program, which included stakeholder meetings and public workshops. Previous studies that focused on the study area were also taken into consideration as well as proven techniques to ameliorate specific congestion and safety problems. In addition, improvement techniques and best practices presented as alternative solutions for consideration were derived from those outlined in the *National Cooperative Highway Research Program (NCHRP) Report 500* series. The reports documented best practices in different areas of emphasis (safety at signalized intersections, un-signalized intersections, pedestrian and bicycle safety, etc.). Build peak hour levels-of-service were performed using the No-Build volumes under Build conditions. Build conditions assume the potential improvements are in place. Table 7 summarizes the recommended improvements, their impacts, potential costs, and estimated implementation periods for all the study area corridors and intersections.

### Forest Avenue at West Street Alternatives

Four alternative Build scenarios were developed for the Forest Avenue/West Street intersection. These alternatives are based on the temporary one-way circulation for West Street northbound from Forest Avenue to Belmont Street that is used when the Brockton Fair is open. Level-of-Service analysis was completed for these Build alternatives. The Build scenarios include the following alternatives:

Alternative 1 - Make West Street a one-way street northbound from Forest Avenue to Belmont Street. This would allow for two lanes on this section of West Street and two approach lanes on the northbound West Street approach to the Belmont Street/West Street intersection. In addition, through traffic from West Street southbound and from the Belmont Street westbound approach turning left will be re-routed west on Belmont Street to turn left onto Forest Avenue at the Belmont Street/Westside Plaza/Forest Avenue intersection. Under this configuration, a left turn storage lane would be added on the Belmont Street westbound approach at the Belmont Street/Westside Plaza/Forest Avenue intersection to add capacity for the additional traffic volumes. Also, an exclusive right turn lane would be added to the West Street northbound lane at the Forest Avenue/West Street intersection. The stop sign on the eastbound Forest Street approach at this intersection would be eliminated leaving one stop sign on the northbound approach giving the uncontrolled right-of-way to the Forest Street eastbound and westbound approaches. The westbound Forest Avenue approach to the West Street intersection would have a channeled right turn to the West Street northbound one-way section. This one-way configuration would eliminate the heavy left turn movements and subsequent long back-ups on West Street that currently exist from West Street southbound traffic turning left onto Forest Avenue at the West Street/Forest Avenue unsignalized intersection.

Alternative 2 - Make West Street one-way street northbound from Forest Avenue to Belmont Street and signalize the Forest Avenue/West Street intersection. This alternative is the same as Alternative 1 except that the Forest Avenue/West Street intersection would be signalized.

Alternative 3 - Install signals at the Forest Avenue/West Street intersection. This alternative would not make West Street a one-way street but would leave the intersection as is except that signals would be installed and left turns from West Street southbound to Forest Avenue eastbound would be re-routed to the right of the existing island. Currently, vehicles are allowed left of the island to turn left onto Forest Avenue at a stop sign at Forest Avenue. Some reconstruction would be needed to reconfigure the island without disturbing the memorial in its center. Under this alternative, the West Street northbound approach would be widened to allow for an exclusive right turn lane to allow for the heavy northbound right turns from West Street to Forest Avenue eastbound. In addition, traffic signal pre-emption would be installed in order to give the Brockton Fire Department, which is located on West Street, a clear right-of-way through the intersection during peak rush time.

Alternative 4 – Reconstruct the Forest Avenue/West Street intersection and install a roundabout. There are right-of-way restrictions for this alternative, and an historic cemetery is located adjacent to the northwest corner of the intersection.

The four alternatives for the Forest Avenue/West Street intersection are shown in Figure 8 (Alternative 1), Figure 9 (Alternative 2), Figure 10 (Alternative 3), and Figure 11, (Alternative 4). Build Levels-of-Service for Alternative 1 are summarized in Table 8, Build Levels-of-Service for Alternative 2 are

summarized in Table 9, Build Levels-of-Service for Alternative 3 are summarized in Table 10, and Build Levels-of-Service for Alternative 4 are summarized in Table 11.

**Table 7 - Alternative Recommendations**

Locations	Findings	Potential Recommendations	Future Plans
Belmont Street Corridor	Road Pavement in poor condition without shoulders for bicycle travel. Travel lanes are next to curbs with no buffers on sidewalks. Few safe pedestrian crossings.	Reconstruct and repave the road surface. Add shoulders for bicycle travel. High Cost, Mid-term.	
1. Belmont Street at Angus Beaton Drive (Brockton High School Intersection)	Long Delays during School peak hour (LOS D). High volume of pedestrians due to proximity of High School crossing Belmont Street. Site of fatal pedestrian crash. Lack of pedestrian refuge. Lacks bicycle accommodation.	Program to educate students and raise awareness for crossing the street safely by using pedestrian signals. Low Cost, Short Term	Pedestrian countdown signals added, bus turnout lane to be built on Belmont Street at southeast corner.
2. Belmont Street at Westside Plaza and West Street	Lacks pedestrian signals.	Add pedestrian signals. Medium Cost, Short Term.	
3. Belmont Street at Westside Plaza and Forest Avenue	High number of angle type crashes.	Revise phasing; add split phasing, to protect turning movements to prevent angle crashes. Low Cost, Short Term. Reconstruct intersection to allow for left turning trucks and add left turn storage lane under Alternatives 1 and 2 (West Street northbound One-Way). High Cost, Long Term.	
4. Belmont Street at West Street		Improve signal coordination. Low Cost, Short Term.	
5. Torrey Street at West Street		Improve signal coordination. Low Cost, Short Term.	
6. Belmont Street at Torrey Street			
Forest Avenue Corridor	Road pavement in poor condition. Road volumes excessive for a residential, collector road (as high as 15,000 vehicles per day). High volumes of turning movements at side streets and driveways. High pedestrian traffic on due to proximity of Brockton High School. Sidewalk surface in poor condition. Sidewalks not properly plowed in winter forcing pedestrians into the street. Vegetation and Trees overgrown (wide tree trunks) on sidewalks, as well as other obstacles, not in conformance with ADA standards. Curbs low allowing vehicles on sidewalk to avoid turning movements.	Reconstruct and repave road surface. Reconstruct and repave sidewalks. Reset curbs higher to prevent motorists from driving on the sidewalks. Remove vegetation and trees blocking pedestrian travel on sidewalks. Restripe pavement markings including four foot shoulders for bicycle travel. Add signage for bicycle travel, and signs prohibiting parking in bicycle lanes. High Cost, Long Term.	
7. Forest Avenue at West Street (4-Way Intersection)	Gridlock occurs at the intersection during special events during Brockton Fair Season.	<u>Alternative 1</u> - Make West Street one-way north from Forest Avenue to Belmont Street. <u>Alternative 2</u> - Make West Street one-way northbound and signalize the intersection <u>Alternative 3</u> - Reconstruct intersection and install signals. High Cost, Long Term. <u>Alternative 4</u> – Reconstruct intersection and construct a roundabout	

**Table 7 - Alternative Recommendations (continued)**

Locations	Findings	Potential Recommendations	Future Plans
8. Forest Avenue at West Street (3-Way Intersection)	Poor PM and School LOS (F). Left turns from West Street to Forest Avenue cue due to heavy Forest Avenue traffic and lack of sufficient gaps in the Forest Avenue traffic stream.	<u>Alternative 1</u> - Make West Street one-way north from Forest Avenue to Belmont Street. <u>Alternative 2</u> - Make West Street one-way northbound and signalize the intersection <u>Alternative 3</u> - Reconstruct intersection and install signals. High Cost, Long Term. <u>Alternative 4</u> – Reconstruct intersection to include a roundabout	.
9. Forest Avenue at Memorial Drive (Brockton High School) Intersection	Poor Levels-of-Service during the AM, PM, and School peak hours (F, E, F). High pedestrian volumes due to close proximity of Brockton High School.	This intersection satisfies MUTCD traffic signal warrants. Install traffic signals, in addition, safe pedestrian crossings such as pedestrian signals and crosswalks are needed due to heavy pedestrian traffic from Brockton High School.	
10. Forest Avenue at Ash Street	The pavement on Forest Avenue is in poor condition. Sidewalks are in poor condition (trees overgrown and other obstacles, surface broken and a danger to pedestrians). The curbs too low (cars drive on the sidewalk to bypass turning vehicles on Forest Avenue). High traffic volumes 11,320 to 17,900 VPD on Forest Avenue (residents find it difficult to get in and out of driveways, pedestrians can't cross the street). Poor sight distance from Ash Street.	Upgrade and optimize signal timing and phasing. Medium Cost Short Term. Reconstruct and repave Forest Avenue, and reconstruct sidewalks. High Cost Long Term.	
11. Forrest Avenue at Manomet and Bouve	Poor PM, and School Levels-of-Service (E, F). On the MassDOT Top 200 Crash List 2008 and Top 5% Crash Cluster in the OCPC region. Poor signal head visibility.	Upgrade traffic signals, install overhead signals for better visibility, and improve signal timing and phasing.	
12. Forrest Avenue at Warren Avenue	On the MassDOT Top 200 Crash List 2011 and Top 5% Crash Cluster in the OCPC region.	Upgrade traffic signals, improve signal timing and phasing.	
13. Forest Avenue at Main Street	Poor AM, PM, and School Levels of-Service (F). Not enough sufficient gaps in major street (Main Street) traffic flow to allow traffic from minor Street (Forest Avenue) safe turning movement into the major street traffic flow. Heavily pedestrian traveled intersection with school bus stops on the corner as well as fast food businesses.	Satisfies MUTCD signal warrants. Safe pedestrian crossings, pedestrian signals and crosswalks needed. Signalize the intersection, add a left turn storage lane to Forest Avenue eastbound, and add a left turn storage lane northbound on Main Street.	
<b>Torrey Street Corridor</b>			
14. Torrey Street at Westside Plaza and Ocean State Job Lot Intersection	Poor LOS during the PM and School peak hours (F, F). Poor sight distance from the West Side Plaza minor street approach. Heavy volumes on the side streets due to use of Westside Plaza by cut through traffic.	Remove vegetation from the side of Torrey Street to improve sight distance. Low Cost, Short Term	

\*Low Cost = < \$10,000, Medium Cost = \$10,000 to \$50,000, High Cost =>\$50,000, \*\*Short term = < 1 year, Mid-term = 1 to 3 years, Long-term = > 3 years, +tbd=to be determined, ++row=right-of-way

Figure 8—Alternative 1 Improvements

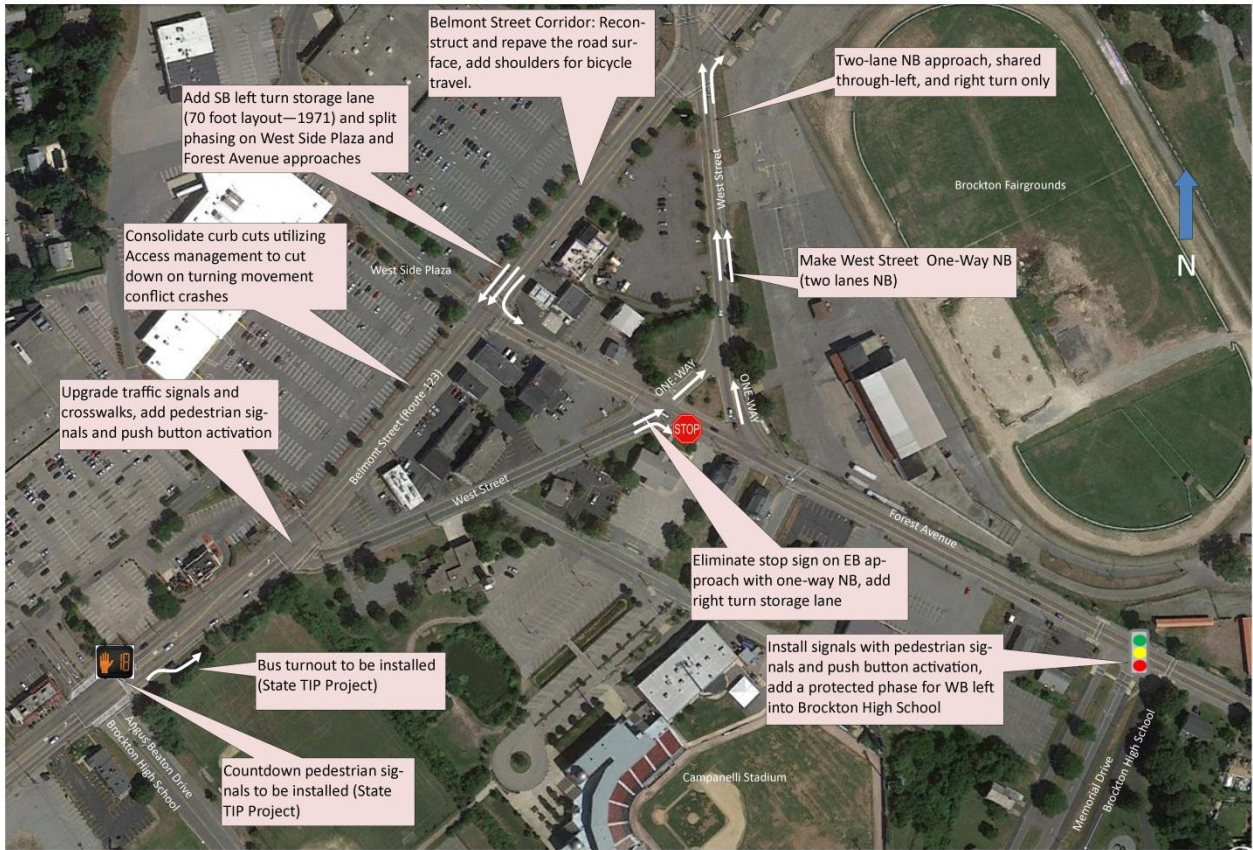


Figure 9—Alternative 2 Improvements

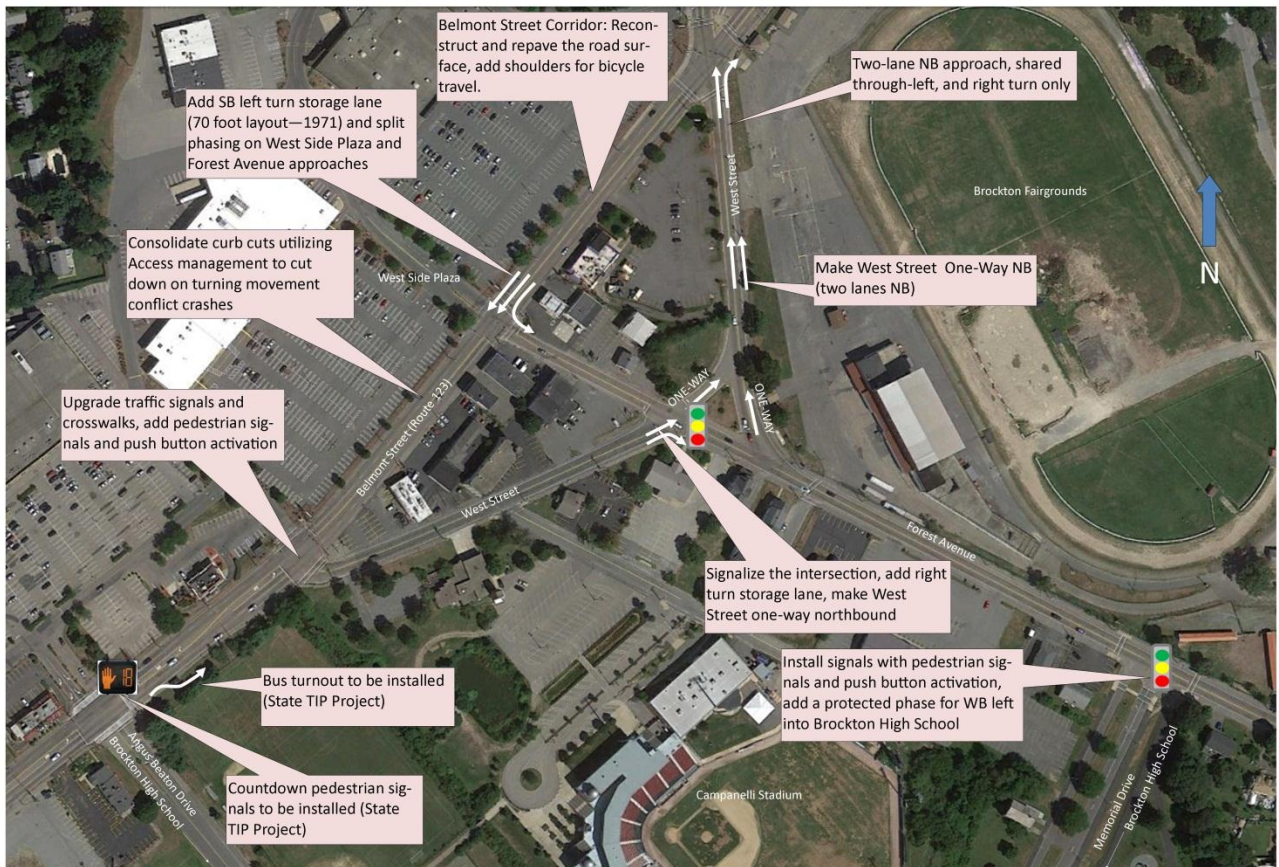
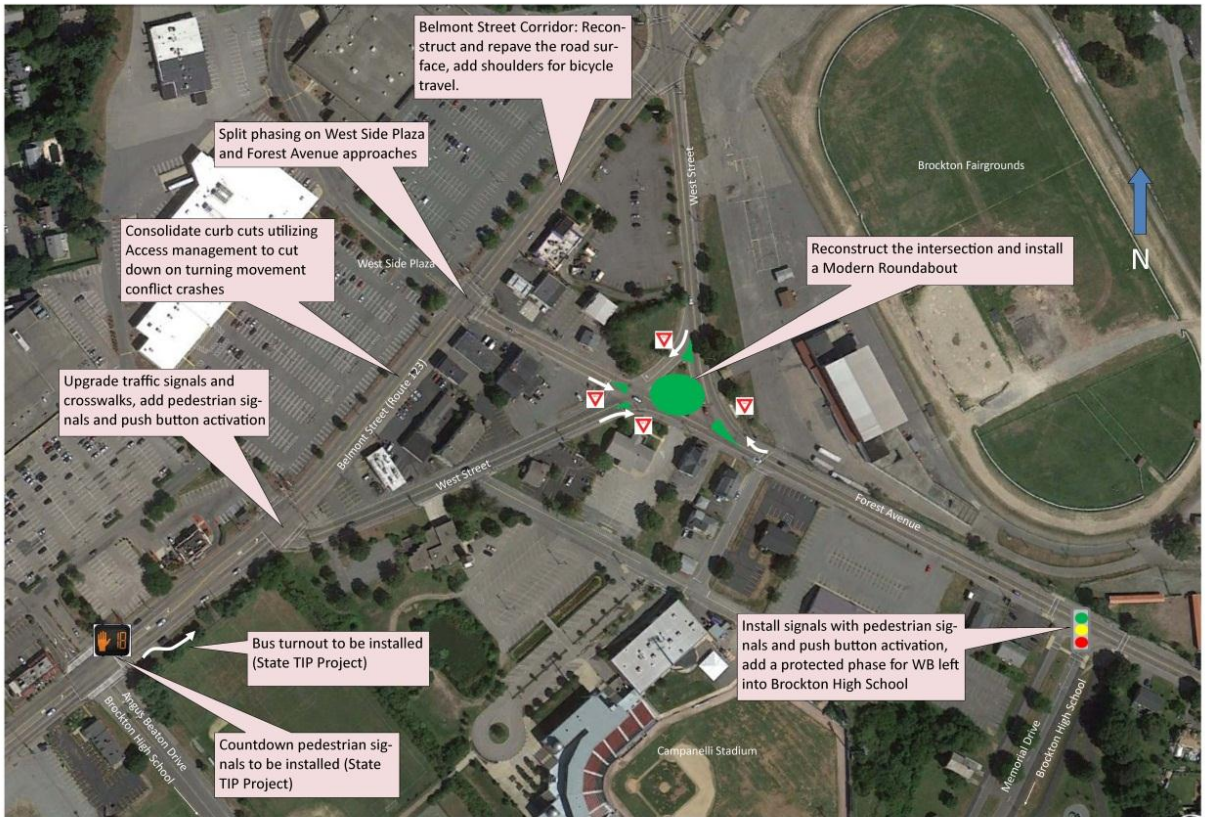


Figure 10 - Alternative 3 Improvements





Figure 11 - Alternative 4 Improvements Southwest Brockton Corridor Study



**Table 8 - Build Intersection Levels-of-Service Alternative 1**

	Intersection Location	Traffic Control	2019 Build		
			AM LOS	PM LOS	School Peak
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza Plaza/Forest Avenue (add left turn storage Belmont Street westbound)	Signal	A	B	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	C	C
6	Belmont Street at Torrey Street	Signal	B	B	B
7, 8	Forest Ave at West Street (West Street intersections combined, add right turn lane northbound on West Street, West Street one way north from Forest Avenue to Belmont Street)	Stop Sign			
	West Street Northbound Through/Left		B	D	C
	West Street Northbound Right Turn		B	D	C
	Forest Avenue Westbound Left Turn		A	A	A
9	Forest Ave at Memorial Drive	Signal	B	A	B
10	Forest Ave at Ash Street	Signal	B	B	B
11	Forest Ave at Bouve Ave/Manomet Street	Signal	B	B	B
12	Forest Ave at Warren Ave	Signal	B	B	B
13	Forest Ave at Main Street	Signal	A	B	A
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	E

**Table 9 - Build Intersection Levels-of-Service Alternative 2**

	Intersection Location	Traffic Control	2019 Build		
			AM LOS	PM LOS	School Peak
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza/Forest Avenue (add left turn storage Belmont Street westbound)	Signal	A	B	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	C	C
6	Belmont Street at Torrey Street	Signal	B	B	B
7, 8	Forest Ave at West Street (West Street intersections combined and signalized, add right turn lane northbound on West Street, West Street one way north from Forest Avenue to Belmont Street)	Signal	A	B	A
	Forest Ave at Memorial Drive	Signal	B	A	B
10	Forest Ave at Ash Street	Signal	B	B	B
11	Forest Ave at Bouve Ave/Manomet Street	Signal	B	B	B
12	Forest Ave at Warren Ave	Signal	B	B	B
13	Forest Ave at Main Street	Signal	A	B	A
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	E

**Table 10 - Build Intersection Levels-of-Service Alternative 3**

	Intersection Location	Traffic Control	2019 Build		
			AM LOS	PM LOS	School Peak
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza/Forest Avenue	Signal	B	C	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	B	B
6	Belmont Street at Torrey Street	Signal	B	B	B
7, 8	Forest Ave at West Street (Reconstructed intersection combining the Four-way and T intersection and adding traffic signals)	Signal	A	B	A
9	Forest Ave at Memorial Drive	Signal	B	A	B
10	Forest Ave at Ash Street	Signal	B	B	B
11	Forest Ave at Bouve Ave/Manomet Street	Signal	B	B	B
12	Forest Ave at Warren Ave	Signal	B	B	B
13	Forest Ave at Main Street	Signal	A	B	A
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	E

**Table 11 - Build Intersection Levels-of-Service Alternative 4**

	Intersection Location	Traffic Control	2019 Build		
			AM LOS	PM LOS	School Peak
1	Belmont Street at Angus Beaton Drive/Westside Plaza	Signal	C	B	D
2	Belmont Street at Westside Plaza/West Street	Signal	B	B	B
3	Belmont Street at Westside Plaza/Forest Avenue	Signal	B	C	B
4	Belmont Street at West Street	Signal	B	B	B
5	Torrey Street at West Street	Signal	B	B	B
6	Belmont Street at Torrey Street	Signal	B	B	B
7, 8	Forest Ave at West Street (Reconstructed intersection to form a Roundabout)	Roundabout	A	B	B
9	Forest Ave at Memorial Drive	Signal	B	A	B
10	Forest Ave at Ash Street	Signal	B	B	B
11	Forest Ave at Bouve Ave/Manomet Street	Signal	B	B	B
12	Forest Ave at Warren Ave	Signal	B	B	B
13	Forest Ave at Main Street	Signal	A	B	A
14	Torrey Street at West Side Plaza/Ocean State Job Lot	Stop Sign			
	Westside Plaza Northbound Left, Through, Right		D	F	F
	Ocean State Job Lot Southbound, Left, Through, Right		C	F	E

## 5 Sustainability and Livability

The *2012 Old Colony Regional Transportation Plan* included goals to incorporate livability principles and sustainable practices into transportation plans and programs for maximizing the efficiency of existing transportation investments, providing better access within and between activity centers, reinvesting in aging suburban corridors, restoring complete streets and networks, and maintaining a transportation system that provides reliable, safe access to jobs, education, health care, and goods and services.

Sustainability encourages alternative, non-motorized modes to conserve energy and reduce reliance on fossil fuels. Principles for creating more sustainable neighborhoods include designing streets and the rights-of-way to encourage shared pedestrian, bicycle, and vehicular use. A new design strategy, often referred to as “Complete Streets”, enables safe road access and operation for all users including pedestrians, bicyclists, motorists, and public transportation users of all ages and abilities. Complete Streets make it easy to cross the street, walk, and bicycle to and from destinations (shops, work, school, etc.) by integrating safety for non-motorized travel in the design and construction of roads.

The Federal Highway Administration (FHWA) defines Livability in the following way: “Livability is about tying the quality and location of transportation facilities to broader opportunities such as access to good jobs, affordable housing, high quality schools, and safe streets. This includes addressing safety and capacity issues on all roads through better planning and design.”

In January of 2013, the Old Colony Planning Council completed the *Bicycle and Pedestrian Connectivity and Livability Study*. The purpose of the study was to improve the quality of life in the OCPC communities by integrating transit, bicycle, and pedestrian amenities into residential and commercial/industrial areas. Objectives in the study include:

- To conduct an extensive public participation and outreach process in order to identify the areas of need for bicycle and pedestrian infrastructure improvements.
- To collect the bicycle and pedestrian related data in areas identified by the communities’ stakeholders groups and develop improvements to the overall non-motorized network within communities and between communities.

The Old Colony Planning Council staff met with engineers, planners, public works and highway staff, police and fire officials, and councils-on-aging and youth councils to discuss pedestrian and bicycle transportation issues in the communities. The public participation process, which included citizens, businesses, individuals of traditionally underserved groups such as Limited English Proficiency populations and non-profit organizations, served to educate and inform stakeholders on initiatives such as livability, sustainability, and climate change. The process helped OCPC set alternative network goals and document local bicycle and pedestrian improvement needs. Some of the long term goals of the study included:

- Increasing multimodal transportation centers (Transit Oriented Development) that serve business, residential, and mixed-use developments.
- Supporting the development of Transit Oriented Developments in Brockton, Kingston, Plymouth, Bridgewater, Hanson, and Easton Commuter Rail stations.
- Supporting the designation, (by year 2035), of Kingston, Plymouth, Halifax, Hanson, Whitman, and Easton Commuter Rail stations as TOD’s.
- Increasing bicycle and pedestrian infrastructure networks and amenities in the OCPC Region by 2015.

- Completing, by 2020, 40 percent of previously identified OCPC short-term bicycle infrastructure projects.
- Implementing, by 2035, 50 percent of the identified long-term bicycle and pedestrian projects.

In the spring of 2014, the Brockton Planning Board adopted a Complete Streets Policy. The purpose of the policy is to recognize that projects, including new construction, maintenance, or reconstruction, are opportunities to expand and improve the road network to accommodate for all road users regardless of ability or age. Brockton's Complete Street Policy is consistent with MassDOT's Healthy Transportation Directive, which commits to maintaining a transportation network that serves all mode choices.

## 6 Conclusions and Recommendations

### 6.1 Overall Short Term and Long Term Improvements

Brockton should work with state agencies and developers to implement short term and long-term improvements to the overall safety, physical conditions, and traffic operations at the study area locations for motor vehicle traffic, transit, and non-motorized users. The following overall improvements were identified in regards to traffic, pedestrian, and bicyclist safety and operation:

Overall short term improvements:

- Pavement marking revision and re-striping (centerlines, crosswalks, fog lines, side street stop lines), and improved markings for bicycle lanes.
- New and revised signing upgraded to meet MUTCD reflectivity standards.
- Replace missing speed limit signs and/or post legal limit signs where none exist, and posting signs for bicycle paths.
- Improve lighting along the road and at intersections.
- Clear vegetation to improve sight distances at intersections and driveways, and to provide recovery areas for lane departures.
- Relocate and or remove fixed objects (utility poles, trees, etc.) that are too close to travel lanes and present lane departure hazards.
- Construct, reconstruct, and replace sidewalks in conformance with the Americans with Disabilities Act.
- Enhance speed management by providing immediate and strict speed enforcement.
- Traffic signal updates and modifications (improvements to equipment, coordination, and timing and phasing).
- Lane use revisions.

Overall long term improvements:

- Implement construction and/or operational improvements, such as adding or expanding shoulders, straightening dangerous curves, and realigning and improving hazardous intersections.
- Realign intersections and remove obstacles to improve sight distances at intersections.
- Continue to utilize pavement management system.
- Request that OCPC routinely monitor traffic conditions as part of its regional growth monitoring efforts.
- Study area communities should continue to participate in the Joint Transportation Committee (JTC) and Metropolitan Planning Organization (MPO).

According to the NHCPR reports, driver awareness of downstream intersections and traffic control devices is important to intersection safety. The inability to perceive an intersection, upcoming traffic controls, or the back of a stopped queue in time to react as necessary can result in safety problems. Drivers caught unaware could be involved in serious crashes, especially at intersections with high speeds on the approaches. Installing or upgrading signs and pavement markings on intersection approaches can help better prepare drivers for the intersection ahead. This includes advance guide signs, advance street name signs, larger signs, warning signs, pavement markings, overhead street signing, post-mounted delineators, and better intersection lighting.

## **6.2 Identified Problem areas and Recommendations**

### **6.2.1 Complete Streets and Bicycle and Pedestrian Improvements**

Complete Streets principles contribute toward the safety, health, economic viability, and quality of life in a community by providing greater opportunities in multi-modal and non-motorized transportation. This is achieved through the development of a comprehensive, integrated transportation network that accommodates pedestrians, bicyclists, and public transportation riders. A Complete Streets network is intended to accommodate people of all ages and abilities, including children, youth, families, older adults, and individuals with disabilities.

### **6.2.2 Forest Avenue Corridor**

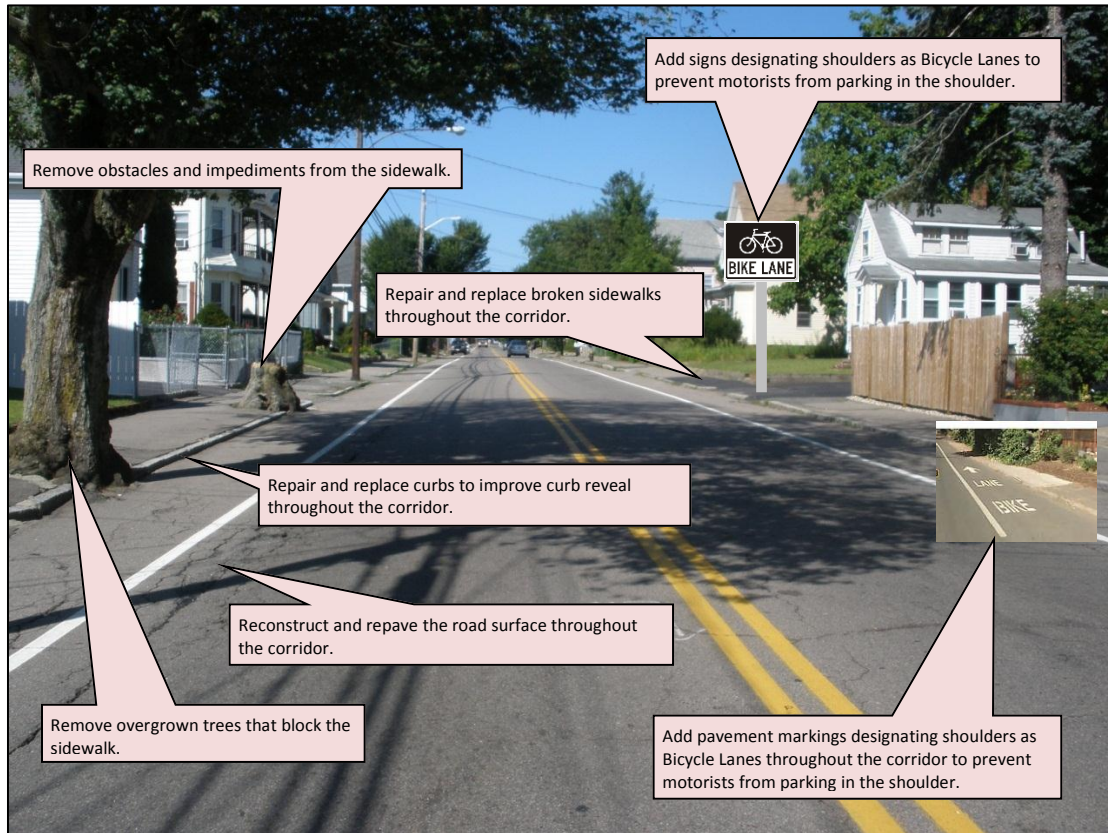
As previously stated, Forest Avenue provides adequate sidewalks for pedestrians on both sides of the road, which vary in width (five to six feet). In addition, Forest Avenue has shoulders, approximately four to five feet wide, on both sides of the road that are adequate for bicycle travel. The drawbacks to these amenities include an antiquated infrastructure whereby the sidewalk surface is broken and in poor condition throughout the corridor. The sidewalks along Forest Avenue also contain a number of obstacles including tree roots, trees with two to three feet of circumference, utility poles, signal boxes, and pole mounts that block pedestrians. These obstacles block wheelchair accessibility along the sidewalk and at intersections and crosswalks.

Although the Forest Avenue corridor provides shoulders on both sides of the road, vehicles often park in the shoulders or use them to bypass vehicles that are turning onto driveways or side roads. In addition, heavy vehicle volumes and high speeds are a detriment to bicycle use. Corridor wide improvements to Forest Avenue should be accomplished utilizing the Complete Streets approach. These improvements should include:

- In addition to the reconstruction and repaving of the road surface, the sidewalks throughout the Forest Avenue corridor should also be repaved to smooth the cracked, broken, concrete surface and also to remove obstacles to pedestrians and ensure that the sidewalks are compliant with the Americans with Disabilities Act.
- Increased signage and pavement markings that designate the shoulders for bicycle use are recommended for the Forest Avenue corridor, as well as an on-street parking prohibition, the upgrade of antiquated signals at the Forest Avenue/Bouve Avenue/Manomet Street intersection, and the signalization of the Forest Avenue/Main Street intersection.

Figure 11 shows the potential improvements to the Forest Avenue corridor.

**Figure 11 – Improvements to Forest Avenue**



### 6.2.3 Westside Plaza

The Westside Plaza, as a privately owned retail plaza, was designed solely for automobile circulation and parking; however, it is serviced by Brockton Area Transit (BAT) bus routes. Despite its auto dependency, the plaza is within walking distance of residential areas. In addition, the close proximity of Brockton High School attracts walkers to fast food restaurants, retail, and the BAT bus stops located on site. An improved sidewalk system is recommended to enhance safety and walkability within and through the Westside Plaza, especially at the entrances to Westside Plaza at Angus Beaton Drive, West Street, and Forest Avenue, and at the on-site BAT bus stop shelter.

### 6.2.4 Belmont Street

Field surveys of Belmont Street show that the pavement surface is in poor condition; however, a portion of Belmont Street (Route 123) between West Street and Torrey Street was recently repaved in the spring of 2014, and is in good condition. The remaining section of Belmont Street, west of West Street to Angus Beaton Drive; however, is still in poor condition and requires rehabilitation (grinding and milling of the surface and an overlay of pavement). In addition, shoulders along Belmont Street are not wide enough to accommodate bicycles. The *Functional Design Report for Traffic and Safety Improvements to Belmont Street* included a number of improvements for Belmont Street, including reducing travel lanes to 11 feet in order to add four foot shoulders on both sides of the road to accommodate bicycles; however, the limits of the project terminate just east of the Belmont Street (Route 123)/Angus Beaton Drive/Westside Plaza intersection. MassDOT recently announced the approval of a new project to develop corridor improvements on Belmont Street (Route 123) from Angus

Beaton Drive to West Street. The project includes resurfacing and widening to provide a consistent roadway cross section, adding shoulders to accommodate bicycles, and adding ADA accessible sidewalks. Currently, Belmont Street east of Angus Beaton Drive lacks shoulders for bicyclists. Belmont Street east of Torrey Street has a two lane cross section and includes five foot shoulders on both sides of the road. The shoulders should be designated as bicycle lanes using pavement markings and signage.

#### **6.2.5 Belmont Street at Angus Beaton Drive and Belmont West Plaza Driveway Intersection**

The intersection of Belmont Street (Route 123), Angus Beaton Drive and the Westside Plaza driveway is a signalized four-way intersection. Belmont Street (Route 123) has a five lane cross-section at the intersection, with two 11-foot general purpose lanes in each direction as well as an exclusive turn lane for left turning vehicles for both the eastbound and westbound approach. Angus Beaton Drive and the Westside Plaza driveway both have two approach lanes and two departure lanes separated by a small landscaped island. Approach lanes on both side street approaches are marked as a left turn and a right turn lane; neither lane is marked for through vehicles, although a high number of vehicles go through to Angus Beaton Drive from the Westside Plaza, and from Angus Beaton Drive to Westside Plaza during the morning, afternoon, and School dismissal peak hours. There is a large number of vehicles that use the West Side Plaza parking area as a cut through between Belmont Street (Route 123) and Torrey Street, (the turning movement count showing the peak hour volumes at these intersections are included in the appendix to this report). There are handicap ramps at the intersection and crosswalks across Angus Beaton Drive, the West Side Plaza Driveway, and the eastern Belmont Street (Route 123) approach.

The traffic signal at Belmont Street (Route 123) at Angus Beaton Drive and the West Side Plaza driveway is time based coordinated with the adjacent signal at Belmont Street (Route 123) and West Street intersection. The coordination is in effect from 10:00 AM to 7:00 PM on weekdays and from 10:00 AM to 6:00 PM on Saturdays and Sundays. It runs under free operation at all other times.

The Brockton High School access at this intersection creates a large demand during school peak hours, thereby causing significant congestion and pedestrian traffic during the school peak hour. The increased traffic during the morning school peak results in long back-ups on Belmont Street eastbound in the right lane where vehicles are entering the school grounds. There are also significant back-ups on the Belmont Street westbound approach due to heavy left turns from Belmont Street to Angus Beaton during the morning peak hour. These queues back-up through the Belmont Street/West Street/Westside Plaza intersection.

The traffic signal at the intersection operates with three vehicle phases and an exclusive pedestrian phase (push button activated) for pedestrians crossing Belmont Street. There are no pedestrian signals or push buttons for pedestrians crossing the Angus Beaton Drive eastbound approach or the Belmont West Plaza driveway. The only pedestrian signal at the intersection is on the Belmont Street westbound approach to the intersection. Crossing guards were observed at the intersection during the peak of morning school traffic. Police presence is necessary at this location to ensure that pedestrians use pedestrian signals and crosswalks, as well as follow crossing guard directions, and also to enforce vehicle speeds and ensure that motorists follow traffic controls. This intersection experiences heavy pedestrian traffic, especially between 2:00 PM and 5:00 PM after high school dismissal. During this time, over 400 pedestrians per hour cross Belmont Street at or near this intersection. An educational awareness program on pedestrian safety that teaches students how to safely cross the street is needed at Brockton High School because many of the students from the high school do not use the pedestrian signals and

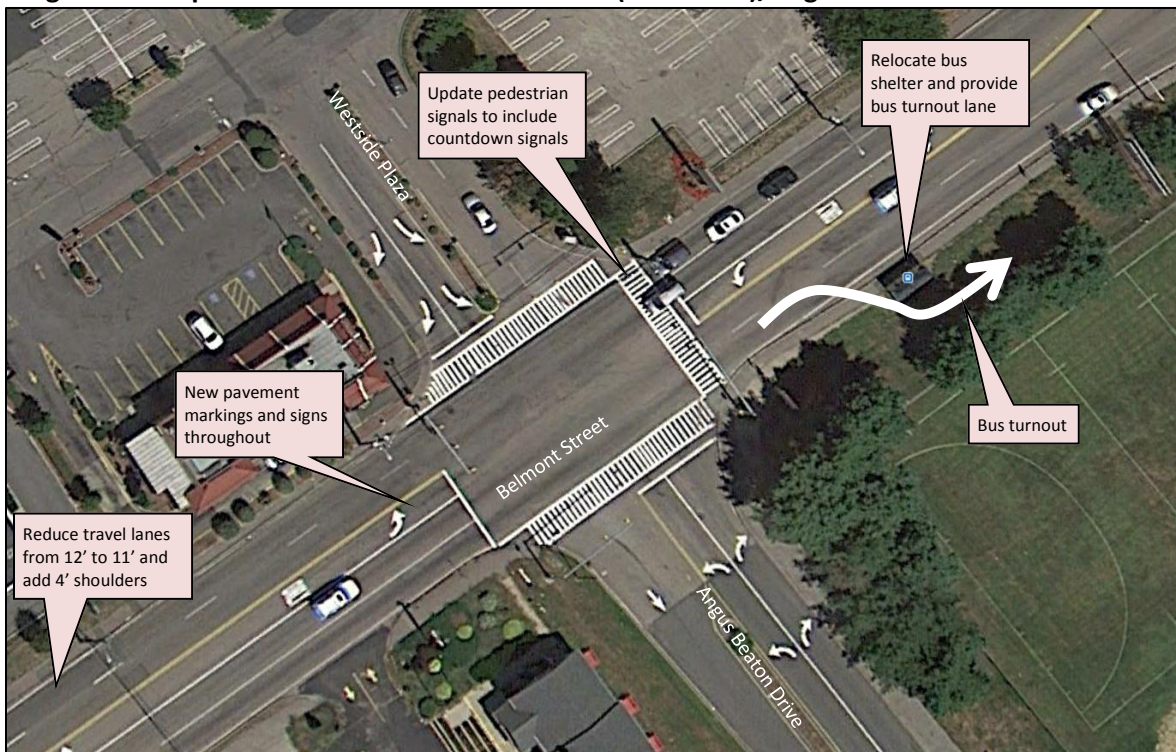


crosswalks, and cross Belmont Street mid-block or against the signal (when Belmont Street has a green phase), creating a very hazardous situation at this location.

As stated previously in Section 2.1, the *Functional Design Report for Traffic and Safety Improvements to Belmont Street* included a number of improvements for the Belmont Street (Route 123)/Angus Beaton Drive intersection, although no timing or phasing improvements were proposed at the intersection and existing turning lanes would be maintained. The improvements include:

- The crosswalk crossing Belmont Street at Angus Beaton Drive will be maintained; however the pedestrian signal will be updated to include countdown pedestrian signals, which improve pedestrian compliance and safety.
- Improvements will be made to the existing drainage system. The existing system and structures will be adjusted as necessary to address drainage concerns.
- New pavement markings and signs will be provided throughout project.
- The bus shelter adjacent to Angus Beaton Drive will be relocated and the Belmont Street roadway widened to provide a bus turnout lane.

**Figure 12 - Improvements to the Belmont Street (Route 123)/Angus Beaton Drive Intersection**



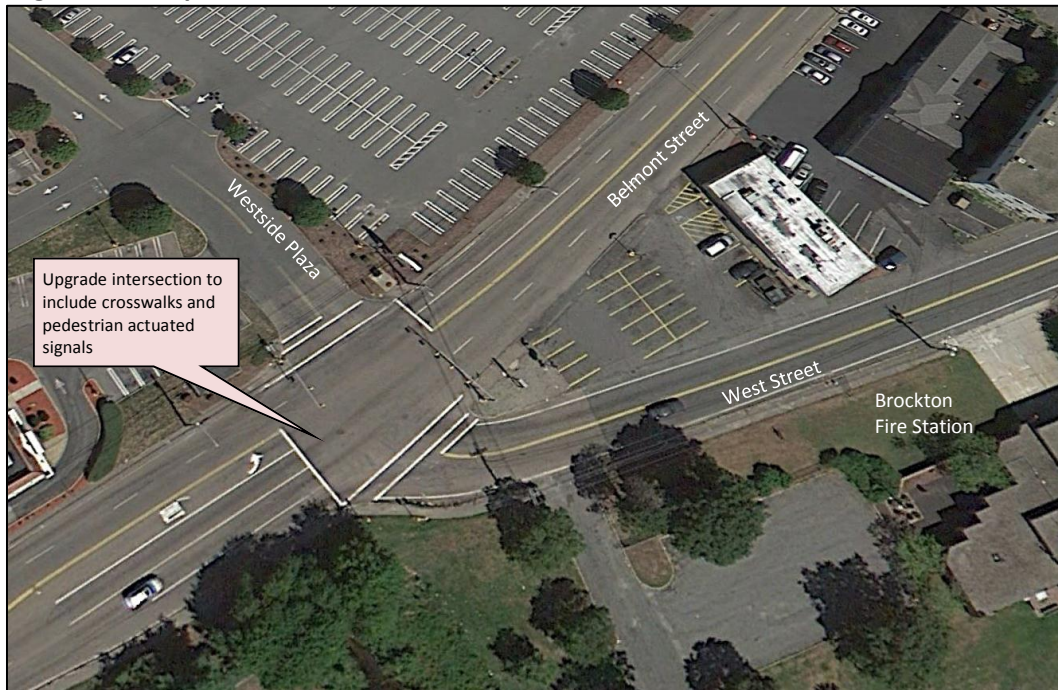
**Figure 13 - Countdown Pedestrian Signal**



### **6.2.6 Belmont Street/West Street/Westside Plaza Intersection**

Although the peak hour level-of-service for this intersection is at “A” and “B” during the AM, afternoon school peak, and PM peak hours, delay and congestion at the Belmont Street/Angus Beaton intersection cause back-ups through the Belmont Street/West Street/Westside Plaza intersection. There are heavy left turn vehicle volumes from West Street to Belmont Street westbound at this intersection as well as heavy vehicle volumes eastbound and westbound on Belmont Street through the intersection during the peak hours. The heavy peak hour left turn volumes from West Street to Belmont Street westbound, and subsequent back-ups on West Street, often block the driveway of the Brockton Fire Station on West Street, which is located close to the intersection. In addition, there are heavy pedestrian volumes at this intersection due to pedestrians accessing the retail plaza north of the intersection, as well as to the close proximity of the intersection to Brockton High School. A convenience store is located at the southeast corner of the intersection. In September of 2014, a pedestrian was struck and killed crossing Belmont Street in front of the convenience store. This intersection lacks crosswalks and pedestrian signals, despite the existence of traffic signals. An upgrade of the traffic signals with the inclusion of pedestrian actuated signals and crosswalks is recommended for this intersection.

**Figure 14 – Improvements to Belmont Street/West Street/Westside Plaza Intersection**



### **6.2.7 Belmont Street/Forest Ave/Westside Plaza Intersection**

The crash analysis for this intersection showed that a high number of angle type crashes occurred at the intersection. Fifteen of the 21 were angle type crashes. A collision diagram was developed showing crashes occurring at the intersection (the diagram is included in the appendix to the report). The National Cooperative Highway Research Program (NCHRP) *Report 500 Volume 12: A Guide for reducing Collisions at Signalized Intersections* includes a number of strategies to improve safety at signalized intersections including:

- Modifying signal phasing, providing additional traffic control devices and pavement markings, and restricting turn movements
- Incorporating geometric design solutions that separate through and turning movements at the intersection, restrict or eliminate turning maneuvers, and close or relocate intersections
- Improve sight distance by removing sight obstruction at signalized intersections
- Improved signing and delineation and installation of lighting can help warn drivers of the presence of the intersection
- Better enforcement and compliance with signals through increased police visibility.
- The presence of driveway access at or near a signalized intersection may confuse drivers using the intersection and create additional vehicle-vehicle conflicts. Measures to restrict driveways and to preclude cross-median turning movements in close proximity to signalized intersections can effectively reduce or eliminate serious multivehicle conflicts

A number of crashes within 150 feet of the intersection occurred due to the high number of curb cuts for driveways to and from retail properties. A gasoline station is located on the southeast corner of the intersection. This is indicative of a need for access management for this section of Belmont Street. Access management techniques include consolidating driveways, closing redundant driveways and/or limiting driveway turning movements to right turn in and right turn out only.

### 6.2.8 Forest Avenue at West Street Intersection

A splitter island divides West Street on its southbound approach to Forest Avenue forming two intersections. West Street meets to form a four-way intersection with Forest Avenue adjacent to an historic cemetery to the west. This intersection is stop controlled on the West Street northbound and southbound approaches and the Forest Avenue eastbound approach. Forest Avenue eastbound has no traffic control and the right of way through the intersection. There is a posted prohibition of left turns from West Street southbound at this four-way intersection. Left turns from West Street southbound to Forest Avenue eastbound are routed to the left of the island where West Street forms a “T”-type intersection with Forest Avenue. This “T”-type intersection is stop controlled on the West Street southbound approach. Figure 15 shows the two intersections.

**Figure 15 – West Street at Forest Avenue**



The heaviest peak hour vehicle turning movement volumes at this location occur on the West Street northbound approach right turns from West Street northbound to Forest Avenue eastbound, on the Forest Avenue eastbound left turn movement from Forest Avenue to West Street southbound, and on the West Street southbound approach with vehicles turning left from West Street southbound to Forest Avenue eastbound. The peak hour back-ups at this location are problematic on the West Street southbound left turn to Forest Avenue eastbound due to a lack of adequate gaps in the Forest Avenue eastbound and westbound traffic. The queues on West Street southbound often back up past the Burger King driveway to Belmont Street. Although the peak hour demand for right turns on the West Street northbound is heavy, the queues and delays are not as problematic as the West Street southbound left turns because the stop sign on the Forest Avenue eastbound approach creates gaps in the flow. This allows the right turns to flow at a regular pace. The left turns from West Street southbound back up significantly because of a lack of sufficient gaps in both the eastbound and westbound Forest Avenue traffic. This movement must cross both lanes, while the right turning movement from West Street northbound approach requires sufficient gaps only in the eastbound direction, which are created by the stop control on the Forest Avenue eastbound approach. Peak hour queues due to left turns from Forest Avenue westbound to West Street southbound are prevented,

even though this is a heavy peak hour movement, because this approach has the right of way with no stop control, and the opposing traffic on Forest Avenue eastbound has a stop sign, creating gaps for the left turn movement.

Four alternatives have been developed to improve traffic flow at this location and to reduce the delays and back-ups for the left turn movement from West Street southbound to Forest Avenue eastbound. These alternatives were developed based on consultation with the public and through meetings with stakeholders that included the Brockton DPW Commissioner and City Engineer. The alternative improvement concepts are illustrated in Figures 8, 9, 10, and 11.

1. Alternative 1 (Figure 8) calls for making West Street a one-way street from West Street northbound to Belmont Street (Route 123). West Street would have two lanes northbound from West Street to Belmont Street. The stop sign control would be on the West Street northbound approach to Forest Avenue. The eastbound and westbound Forest Avenue approached to West Street would be un-controlled (except for the Forest Avenue right turn to West Street, which would be under yield control). Alternative 1 would result in changes to the West Street/Belmont Street intersection, which would have two lanes including a through lane and a separate right turn lane on the northbound approach. A left turn exclusive lane would also be added on the Belmont Street westbound approach to the Belmont Street at Westside Plaza/Forest Avenue intersection to accommodate vehicles rerouted from the West Street southbound due to the one-way designation.
2. Alternative 2 (Figure 9) also calls for making West Street a one-way street northbound to Belmont Street (Route 123) with the same reconfiguration of the local roadway network (with the same changes to the West Street Belmont Street intersection and the Belmont Street at Westside Plaza/Forest Avenue intersection), except that the Forest Avenue/West Street intersection would be controlled utilizing a traffic signal instead of a stop sign on the West Street northbound approach.
3. Alternative 3 (Figure 10) leaves the street network circulation in place as is under existing conditions, and adds signalization to the Forest Avenue/West Street intersection; however, the “T” intersection to the east of the splitter island at Forest Avenue/West Street is reconfigured as one-way northbound for right turns from Forest Avenue westbound to West Street northbound. Left turns from West Street southbound to Forest Avenue eastbound are re-routed to the west of the splitter island and are under signal control.
4. Alternative 4 (Figure 11) Reconstruct the Forest Avenue/West Street intersection and install a roundabout. There are right-of-way restrictions for this alternative, and an historic cemetery is located adjacent to the northwest corner of the intersection.

Table 12 summarizes the results of intersection peak hour levels-of-service for future Build 2019 conditions.

**Table 12 – Build 2019 Intersection Level-of-Service Alternative 1, Alternative 2, Alternative 3, and Alternative 4**

Location	Alternative 1			Alternative 2			Alternative 3			Alternative 4		
	Build AM Peak	Build PM Peak	School Peak	Build AM Peak	Build PM Peak	School Peak	Build AM Peak	Build PM Peak	School Peak	Build AM Peak	Build PM Peak	School Peak
Forest Avenue/West Street (Un-signalized)												
West Street Northbound Through/Left	B	D	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
West Street Northbound Right Turn	B	D	C	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Avenue Westbound Left Turn	A	A	A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Forest Avenue/West Street (Signalized)	NA	NA	NA	A	B	A	A	B	A	NA	NA	NA
Forest Avenue/West Street (Modern Roundabout)	NA	NA	NA	NA	NA	NA	NA	NA	NA	A	B	B
Belmont Street/Westside Plaza/Forest Avenue (Signalized, with exclusive left turn lane on Belmont Street eastbound Alternatives 1 and 2)	A	B	B	A	B	B	B	C	B	B	C	B
Belmont Street/West Street (Signalized)	B	B	B	B	B	B	B	B	B	B	B	B

NA=Not Applicable

Table 12 shows that the Forest Avenue/West Street intersection will experience LOS “D” conditions on the northbound approach for vehicles turning left, through, and right under Alternative 1. These delays are of a particular concern to the Brockton Fire Department because they can create back-ups on West Street that block egress to the Fire Station located on West Street. Under Alternative 2 and Alternative 3, this intersection would be signalized. The LOS analysis shows that the intersection would operate under LOS “A” and “B” during the AM, PM, and School peak hours under future signalized conditions. According to Table 12, the Belmont Street/Westside Plaza/Forest Avenue intersection operates under LOS “A” and “B” conditions under all future alternatives, except for the Build PM Peak under Alternative 3 and Alternative 4 when it will be at LOS “C” conditions. Table 12 shows that the intersection LOS is at an overall LOS “A” and “B” under future conditions with the modern roundabout under Alternative 4. This alternative has right-of way constraints and the intersection is next to an historic cemetery on the northwest corner.

The Brockton Fair, which opens during the July 4<sup>th</sup> week, presents an opportunity to observe conditions that would be similar to Alternative 1 and Alternative 2. When the fair is open, the Brockton Police place temporary barriers on West Street that circulate traffic one way northbound from Forest Avenue to Belmont Street. This emulates the Alternative 1 and Alternative 2 one-way road network conditions except that the stop control on the Forest Avenue eastbound approach is in place (this approach is not stop controlled under Alternative 1), there is no exclusive left turn lane on the westbound approach at the Belmont Street/Forest Avenue/Westside Plaza intersection (under Alternative 1 and Alternative 2, it is assumed that there is an exclusive left turn lane on this approach), and the Forest Avenue/West Street intersection is not signalized (Alternative 2 assumes this intersection is signalized).

The temporary one-way system forces vehicles that usually travel southbound on West Street to instead head westbound on Belmont Street and then turn left at the Belmont Street/Forest Avenue/Westside Plaza intersection to gain access to Forest Avenue eastbound. This places heavier demands on the Belmont Street westbound approach, which consists of two general purpose lanes (a through/right lane

and a through left lane). OCPC performed turning movement counts at the Belmont Street/West Street intersection and the Belmont Street/Forest Avenue/Westside Plaza intersection to discern the changes in traffic patterns during the time the Brockton Fair was open in July 2014. The count at the Belmont Street/Forest Avenue/Westside Plaza intersection was conducted on July 1, 2014, and the count at the Belmont Street/West Street intersection was performed on July 2, 2014. Both of these intersections were counted during the PM Peak hour only. PM Peak hour level-of-service was conducted for these intersections, and the Forest Avenue/West Street intersection under the temporary one-way circulation conditions, and is summarized in Table 13.

Table 13 - Brockton Fair July Temporary One-Way Circulation (West Street One-Way Northbound From Forest Avenue to Belmont Street)

Location	PM Peak
Forest Avenue at West Street	
West Street Northbound Through/Left	C
West Street Northbound Right Turn	C
Forest Avenue Westbound Left Turn	D
Forest Avenue Eastbound Through/Right	C
Belmont Street/Westside Plaza/Forest Avenue (no exclusive left turn lane)	B
Belmont Street/West Street (West Street southbound through and Belmont Street left turns not allowed)	B

Table 13 shows that despite the additional left turn volumes re-routed to westbound Belmont Street (approximately 200 during the PM Peak), the Belmont Street/Westside Plaza/Forest Avenue intersection experiences LOS “B” overall. The Belmont Street/West Street intersection also experiences LOS “B” during the weekday PM Peak under the temporary West Street one-way northbound scheme. The unsignalized Forest Avenue at West Street intersection experiences LOS “D” on the northbound approach, which is lower than the LOS “B” conditions this approach experiences under existing PM Peak conditions (see Table 4). The Forest Avenue eastbound and westbound approaches experience LOS “C” conditions, as they do under existing PM conditions (Table 4); however, these conditions have delays that are borderline “D” conditions. Furthermore, based on field observations during the PM peak hour under the West Street one-way temporary conditions, queues on the Forest Avenue eastbound approach to the Forest Avenue/West Street intersection were backed up through the Belmont Street/Forest Avenue/Westside Plaza intersection.



Temporary Barriers in place during the Brockton Fair creating a temporary one-way northbound circulation on West Street from West Street to Belmont Street (Picture taken at the Belmont Street/West Street intersection looking southbound)

### **6.2.9 Forest Avenue at Memorial Drive (Brockton High School) Intersection**

Forest Avenue and Memorial Drive form a “T” type un-signalized intersection. Memorial Drive provides direct access to Brockton High School and Marciano Football Stadium. This intersection experiences poor levels-of-service (LOS) under existing morning, afternoon, and school peak hour conditions, and it experiences high pedestrian volumes due to its close proximity to Brockton High School. The left turn movement from Memorial Drive experiences forced flow conditions, LOS “F”, during the morning peak hour, LOS “E” during the afternoon peak hour, and LOS “F” during the school peak hour. This intersection satisfies the traffic signal warrants published in the *Manual on Uniform Traffic Control Devices* (MUTCD). The installation of traffic signals is recommended at this location to improve level-of-service, and pedestrian signals (with crosswalks) are necessary due to heavy pedestrian traffic from Brockton High School. The LOS improves under signalization to LOS “B” during the morning peak hour, LOS “A” during the afternoon peak hour, and LOS “B” during the school peak hour. Other potential improvements to access include a gated emergency access to the south to Ash Street or Linwood Street. The High School site is designated as an Emergency Dispensing Site by the state and is to be made available to federal and state agencies during an emergency. A gated access to the site would allow emergency vehicles to avoid the congestion at the Forest Avenue/Memorial Avenue intersection and the Belmont Street/Angus Beaton Drive intersection.

### **6.2.10 Forest Avenue at Ash Street Intersection**

Forest Avenue and Ash Street form a four-way signalized intersection east of Memorial Drive. The character of the adjacent land use on Forest Avenue changes east of Memorial Drive, where it is more residential. Ash Street is a two lane residential collector road that is utilized as a north-south alternative to arterials through Brockton. The grade is ascending on both the eastbound and westbound Forest Avenue approaches to the intersection, which, along with overgrown vegetation along Forest Avenue, hinders sight distances. The overall LOS at the intersection is acceptable with LOS “B” during the morning peak hour, LOS “B” during the afternoon peak hour, and LOS “C” during the school peak hour. The pavement on Forest Avenue east and west of Ash Street is in poor condition. Sidewalks along Forest Avenue east and west of Ash Street are also in poor condition (trees are overgrown, poles and signal boxes pose as obstacles, and the surface is broken and a danger to pedestrians). The curbs are too low and cars sometimes drive on the sidewalk to bypass turning vehicles. It is recommended that Forest Avenue be repaved and sidewalks be reconstructed and resurfaced.



### 6.2.11 Forest Avenue at Bouve Avenue and Manomet Street

Forest Avenue meets Bouve Avenue and Manomet Street to form a four-way signalized intersection. Manomet Street, which makes up the northern leg of the intersection, is much narrower than the Bouve Avenue approach, which makes up the southern leg of the intersection. Manomet Street is 25 feet wide and Bouve Avenue is approximately 42 feet wide. The traffic signal at the intersection is antiquated and runs on a fixed phase with a 50 second cycle length. The existing 2014 levels-of-service are “D” during the AM peak hour, “E” during the PM peak hour, and “F” during the school peak hour. SYNCHRO analysis modeling for future 2019 peak hour conditions shows that the LOS can be improved through the optimization of the signal cycle (more green time for Forest Avenue traffic). The future 2019 levels-of-service with optimization for the intersection are LOS “B” during the AM peak hour, LOS “B” during the PM peak hour, and LOS “B” during the school peak hour. This intersection experiences a high number of crashes with 30 crashes occurring within the three year study period (2010, 2011, and 2012). This intersection had the second highest crash rate (1.77 crashes per million entering vehicles) of the study area intersections. A high number of these crashes (20), which represents sixty-seven percent of the total crashes, were angle type crashes, and fifty percent of the total crashes resulted in injury. A high number of angle type crashes at a signalized intersection is unusual because the installation of traffic signals at an intersection often results in alleviating these types of crashes. The signals at the Forest Avenue/Manomet Street/Bouve Avenue intersection are antiquated and smaller than newer signals. Furthermore, they are pole mounted. Contemporary signals are mounted on a mast arm over the intersection, which results in greater visibility. An upgrade of the signals, resulting in the replacement of the smaller signals with larger lenses, installation of signal head back plates, and mast mounting the equipment over the intersection will result in greater signal visibility for motorists approaching the intersection. Other enhancements such as warning signs, “traffic signals ahead”, installed on the intersection approaches will also help in emphasizing intersection visibility.



Intersection of Forest Avenue/Manomet Street/Bouve Avenue showing pole mounted signals, the signal head on the left is mounted on a utility pole, the picture is from Forest Avenue looking westbound

### 6.2.12 Forest Avenue at Warren Avenue Intersection

Warren Avenue is an important north-south minor urban arterial that is part of a one-way pair with Main Street in Brockton downtown. Although Warren Avenue is not one-way as it intersects Forest Avenue, just east of Main Street, it is still an important north south link within the city. The four-way signalized intersection of Warren Avenue and Forest Avenue has a busy gasoline station on the

northwest quadrant, a local convenience store on the southeast quadrant, and a local retail store on the southwest quadrant. There are a number of curb cuts and driveways used by these commercial properties adjacent to the intersection, which often creates additional conflicts and confusion for drivers going through the intersection or making turning movements within the intersection.

The existing and future levels-of-service are at acceptable levels, LOS “B”, during the existing 2014 AM peak, PM peak, and school peak, and LOS “B” during the future 2019 No-Build AM peak, PM peak, and school peak. However, this intersection had the highest number of crashes within the study area with 41 crashes during the latest three year period (2010, 2011, and 2012). This intersection also had the highest crash rate of the study area intersections with 2.30 crashes per million entering vehicles. This crash rate is almost three times the state average of 0.80 crashes per million entering vehicles. In addition, this intersection is included on the MassDOT Top 200 Intersection Crash List. Fifty-eight percent of the crashes that occurred at this intersection were angle type crashes, and fifty percent of the crashes resulted in personal injury. Two factors could likely play a role in the high number of angle type crashes. The high number of curb cuts and driveways due to the surrounding commercial activities could likely play a role in the high number of angle type crashes, and like the Forest Avenue/Manomet Street/Bouve Avenue intersection, the traffic signals at the Forest Avenue/Warren Avenue intersection are antiquated and pole mounted. An upgrade of the signals at this intersection, resulting in the replacement of the smaller signals with larger lenses, the installation of signal head back plates, and mounting the signal on a mast arm over the intersection, should result in greater signal visibility for motorists approaching the intersection from all four approaches. In addition, other enhancements such as warning signs, (traffic signals ahead), installed on the intersection approaches will also help in emphasizing intersection visibility.



Intersection of Forest Avenue/Warren Avenue from Warren Avenue looking northbound showing pole mounted signals and multiple curb cuts

### **6.2.13 Forest Avenue at Main Street and Martin Place Intersection**

Main Street is a minor arterial providing north-south access to Brockton downtown. Main Street, Forest Avenue, and Martin Place form a four-way stop controlled intersection approximately one-half of a mile south of the downtown. The heaviest movements at this intersection are southbound right turns from Main Street to Forest Avenue and eastbound left turns from Forest Avenue to Main Street northbound

as vehicles tend to use Forest Avenue as an east west access between the downtown and Belmont Street (Route 123). Martin Place makes up the east leg of the intersection; however, it is a dead end street with very little traffic turning in and out. There is stop sign control on the Martin Street westbound approach and the Forest Avenue eastbound approach. The existing 2014 peak hour level-of-service is poor with LOS "F" conditions for Forest Avenue through, left, and right turns during the AM and PM peak hours, and LOS "E" conditions during the school peak hour. Left, through, and right movements from Martin Place also experience LOS "F" conditions during the PM Peak hour and LOS "D" during the AM peak hour, despite the fact that there are very few vehicles entering or exiting this road. In addition, a donut and coffee establishment with a drive through window is located on the northwest corner of the intersection with curb cuts on Main Street and Forest Avenue. A fast food establishment with curb cuts on Forest Avenue and Main Street is also located on the southwest corner of the intersection. The vehicles turning in and out of these curb cuts add to the conflicts and confusion at the intersection. There were 21 crashes within the three year study period at this intersection, and 15 of the total crashes or 71 percent of these crashes were angle type crashes. The intersection crash rate is 1.24 crashes per million entering vehicles, which is more than double the statewide 0.60 average for un-signalized intersections.

The installation of traffic signals at this location should decrease delays and improve the level-of-service. It will also help alleviate angle type crashes. The 2019 LOS is expected to improve to LOS "A" during the AM peak, LOS "B" under the PM peak, and LOS "A" under the school peak under signalized conditions. The intersection satisfies Signal Warrants 1, 2, and 3 of the *Manual on uniform Traffic Control Devices* justifying the installation of traffic signals.

### **6.3 Funding for Improvements**

The implementation of projects includes taking transportation improvements from the concept stage through to design and construction. Funding is an essential element in ensuring the implementation of recommended improvements. The MassDOT *Project Development and Design Guide* explains the project development process in Massachusetts and design standards for transportation projects. The MassDOT project development process consists of eight steps:

- I. Problem/Need/Opportunity Identification (A Project Need form is submitted to MassDOT)
- II. Planning (A project planning report is completed)
- III. Project Initiation (A Project Initiation Form is submitted to MassDOT)
  - Identification of Appropriate Funding
  - Definition of Appropriate Next Steps
  - Project Review Committee Action
- VI. Environmental Design and ROW Process (Includes Plans, Specifications, and Estimates, P, S, & E)
  - Environmental Studies and Permits
  - Right-of-Way Plans
  - Permits
- V. Programming (Old Colony TIP and State Transportation Improvement Program, STIP)
  - Programming of Funds
- VI. Procurement (Construction bids and contractor selection)
- VII. Construction
- VIII. Project Assessment

On sections of roadway owned and maintained by the municipality, the community typically initiates a project by completing and submitting the Project Need Form (available in the Appendix), as well as

providing for project planning and design. Similarly, for state owned facilities, the MassDOT initiates projects and provides planning and design on their section of roads.

Many funding options are available for project construction, and are outlined below. Note that some funding programs, such as the Congestion Mitigation and Air Quality (CMAQ) Program, are for specific types of projects that meet specific criteria, while other programs such as Chapter 90 can be utilized on a much broader range of projects. Federal aid eligible regional transportation needs have outpaced available funding in the Transportation Improvement Program (TIP) for the past several years. All projects on the TIP go through a comprehensive evaluation process to determine priority for funding; therefore, the programming of the TIP is a competitive process. In general, the process to fund a project through the TIP may take up to five years. Therefore, due to this limitation of TIP funding, communities are encouraged to seek alternate funding avenues for their high priority projects. Examples of such options include using Chapter 90 funds, developer mitigation, or public/private partnerships with local stakeholders.

#### Funding Programs

- **Capital Improvement Program (CIP) and Local Funding** This program has historically been utilized to help provide the design and engineering of highway projects.
- **Exactions (Developer Mitigation Agreements)** Communities have increasingly turned to exactions as a means to meet new infrastructure and public service needs. Cities and towns use developer exactions as a strategy to offset the burdens of new development on the community. Exactions contribute to regional equity by ensuring that a new development pays a fair share of the public costs that they generate. Exactions consist of a developer's payment of funds to offset the cost of necessary construction, design, or maintenance of public infrastructure directly connected to the new development. Developers commit to an agreement for funding or constructing off-site improvements in exchange for the approvals to proceed with a development project.
- **Bridge Replacement and Rehabilitation Program** provides funds for rehabilitation and replacement of any bridge on a public road. Bridges on the federal aid system or off the federal aid system are eligible for these funds.
- **Chapter 90** provides state funding for highway construction, preservation, and improvement projects that create or extend the life of capital facilities. The level of funding is determined by a formula that is based upon public way mileage, population and level of employment in each community. The Chapter 90 Program is a reimbursement program, as the community must initially pay the cost of a particular project.
- **Community Development Block Grant (CDBG) Program** provides for the development or expansion of economic opportunities and the provision of decent housing and public facilities. Eligible use of funds includes community development (construction or reconstruction of streets, water and sewer facilities, neighborhood centers, recreation facilities, and other public works).
- **Congestion Mitigation and Air Quality Improvement Program (CMAQ)** directs funds toward transportation projects in Clean Air Act non-attainment areas for ozone and carbon monoxide. OCPC is located in the Boston non-attainment area for ozone.
- **National Highway System (NHS)** consists primarily of existing Interstate Highway routes and portions of the Primary System. This program was established to focus federal resources on roads that are the most important to interstate travel, national defense, inter-modal connections, and international commerce.

- **Non-Federal Aid (NFA)** provides state funds for projects that due to federal fiscal constraints would not be able to receive federal funding. Projects under this category are listed for informational purposes only.
- **Surface Transportation Program (STP)** is a block grant type program that may be used for any roads (including NHS) that are not functionally classified as local or rural minor collectors. These roads are collectively referred to as federal-aid eligible roads.
- **Transportation Bond Bill (TBB)** authorizes and directs the MassDOT to expend monies for transportation projects such as reconstruction, resurfacing, rehabilitation or improvements of highways, bridges, and parking facilities. From this, the State will issue either general obligation or special obligation bonds.
- **Federal appropriations** allocate federal funding for federal aid eligible projects.
- **MassWorks Infrastructure Program:** In September of 2010, the MassWorks Infrastructure Program was instituted to provide a one-stop shop for municipalities and other eligible public entities seeking public infrastructure funding to support economic development and job creation in Massachusetts. The Program is an administrative consolidation of six former grant programs:

Public Works Economic Development Grant (PWED)  
Community Development Action Grant (CDAG)  
Growth Districts Initiative (GDI) Grant Program  
Massachusetts Opportunity Relocation and Expansion Program (MORE)  
Small Town Rural Assistance Program (STRAP)  
Transit Oriented Development (TOD) Program

The MassWorks Infrastructure Program is administered by the Executive Office of Housing and Economic Development, in cooperation with the Department of Transportation and Executive Office for Administration & Finance.

## **7 Appendices**

OCPC Automatic Traffic Recorder Counts  
OCPC and Consultant Turning Movement Counts  
OCPC Intersection Levels-of-Service  
Signal Warrant Analysis  
OCPC Intersection Crash Rate Calculation  
Public Meeting Flyers  
Public Meeting Surveys  
MassDOT Project Need Form  
MassDOT Project Initiation Form

# APPENDIX 2014 SOUTHWEST BROCKTON CORRIDOR STUDY



Old Colony Planning Council  
70 School Street  
Brockton, MA 02301

Prepared under MassDOT Contract # 69649

*December 2014*

## **7 Appendices**

OCPC Automatic Traffic Recorder Counts  
OCPC and Consultant Turning Movement Counts  
OCPC Intersection Levels-of-Service  
Signal Warrant Analysis  
OCPC Intersection Crash Rate Calculation  
Public Meeting Flyers  
Public Meeting Surveys  
MassDOT Project Need Form  
MassDOT Project Initiation Form



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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

Start Time	27-Jul-09		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	*	*	*	*	103	142	96	149	*	*	*	*	*	*	100	146
01:00	*	*	*	*	76	97	65	80	*	*	*	*	*	*	70	88
02:00	*	*	*	*	50	64	45	61	*	*	*	*	*	*	48	62
03:00	*	*	*	*	49	49	49	41	*	*	*	*	*	*	49	45
04:00	*	*	*	*	88	53	88	54	*	*	*	*	*	*	88	54
05:00	*	*	*	*	223	139	208	140	*	*	*	*	*	*	216	140
06:00	*	*	*	*	403	300	424	321	*	*	*	*	*	*	414	310
07:00	*	*	*	*	501	611	561	645	*	*	*	*	*	*	531	628
08:00	*	*	*	*	552	<b>773</b>	591	<b>860</b>	*	*	*	*	*	*	572	<b>816</b>
09:00	*	*	*	*	608	764	626	842	*	*	*	*	*	*	617	803
10:00	*	*	*	*	693	683	692	741	*	*	*	*	*	*	692	712
11:00	*	*	*	*	<b>743</b>	738	<b>765</b>	768	*	*	*	*	*	*	<b>754</b>	753
12:00 PM	*	*	*	*	824	818	<b>938</b>	849	*	*	*	*	*	*	<b>881</b>	834
01:00	*	*	*	*	802	766	882	821	*	*	*	*	*	*	842	794
02:00	*	*	*	*	762	782	807	817	*	*	*	*	*	*	784	800
03:00	*	*	*	*	775	828	808	843	*	*	*	*	*	*	792	836
04:00	*	*	*	*	764	<b>874</b>	838	<b>887</b>	*	*	*	*	*	*	801	<b>880</b>
05:00	*	*	*	*	<b>827</b>	809	803	887	*	*	*	*	*	*	815	848
06:00	*	*	*	*	627	697	686	690	*	*	*	*	*	*	656	694
07:00	*	*	*	*	480	545	552	595	*	*	*	*	*	*	516	570
08:00	*	*	*	*	463	462	504	506	*	*	*	*	*	*	484	484
09:00	*	*	*	*	341	361	391	413	*	*	*	*	*	*	366	387
10:00	*	*	*	*	246	277	260	288	*	*	*	*	*	*	253	282
11:00	*	*	*	*	171	216	172	201	*	*	*	*	*	*	172	208
Total	0	0	0	0	11171	11848	11851	12499	0	0	0	0	0	0	11513	12174
Day	0	0	0	0	23019		24350		0	0	0	0	0	0	23687	
AM Peak					11:00	08:00	11:00	08:00							11:00	08:00
Vol.					743	773	765	860							754	816
PM Peak					17:00	16:00	12:00	16:00							12:00	16:00
Vol.					827	874	938	887							881	880

Comb. Total                    0                    0                    23019                    24350                    0                    0                    0                    23687

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

Start Time	27-Jul-09 Mon	28-Jul-09 Tue	29-Jul-09 Wed	30-Jul-09 Thu	31-Jul-09 Fri	01-Aug-09 Sat	02-Aug-09 Sun	Week Average
12:00 AM	*	*	245	245	*	*	*	245
01:00	*	*	173	145	*	*	*	159
02:00	*	*	114	106	*	*	*	110
03:00	*	*	98	90	*	*	*	94
04:00	*	*	141	142	*	*	*	142
05:00	*	*	362	348	*	*	*	355
06:00	*	*	703	745	*	*	*	724
07:00	*	*	1112	1206	*	*	*	1159
08:00	*	*	1325	1451	*	*	*	1388
09:00	*	*	1372	1468	*	*	*	1420
10:00	*	*	1376	1433	*	*	*	1404
11:00	*	*	1481	1533	*	*	*	1507
12:00 PM	*	*	1642	1787	*	*	*	1714
01:00	*	*	1568	1703	*	*	*	1636
02:00	*	*	1544	1624	*	*	*	1584
03:00	*	*	1603	1651	*	*	*	1627
04:00	*	*	1638	1725	*	*	*	1682
05:00	*	*	1636	1690	*	*	*	1663
06:00	*	*	1324	1376	*	*	*	1350
07:00	*	*	1025	1147	*	*	*	1086
08:00	*	*	925	1010	*	*	*	968
09:00	*	*	702	804	*	*	*	753
10:00	*	*	523	548	*	*	*	536
11:00	*	*	387	373	*	*	*	380
Total	0	0	23019	24350	0	0	0	23686
Percentage	0.0%	0.0%	97.2%	102.8%	0.0%	0.0%	0.0%	
AM Peak			11:00	11:00				11:00
Vol.			1481	1533				1507
PM Peak			12:00	12:00				12:00
Vol.			1642	1787				1714

Old Colony Planning Council  
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 508-583-1833

Community: Brockton  
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 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood 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
07:29/09	4	0	3	3	20	35	31	5	2	0	0	0	0	0	103
01:00	3	0	1	4	17	23	21	6	1	0	0	0	0	0	76
02:00	1	1	2	1	6	19	10	9	0	0	1	0	0	0	50
03:00	1	0	0	1	5	10	16	12	4	0	0	0	0	0	49
04:00	4	0	0	0	14	27	24	16	3	0	0	0	0	0	88
05:00	4	1	0	3	24	74	76	32	9	0	0	0	0	0	223
06:00	22	2	9	22	68	134	92	38	14	2	0	0	0	0	403
07:00	35	3	16	37	119	171	89	26	4	1	0	0	0	0	501
08:00	44	4	20	51	178	180	55	14	3	1	0	1	0	1	552
09:00	60	4	18	65	199	172	74	13	2	1	0	0	0	0	608
10:00	62	3	38	125	238	176	45	6	0	0	0	0	0	0	693
11:00	82	9	50	151	233	166	46	6	0	0	0	0	0	0	743
12 PM	91	13	51	177	301	150	38	3	0	0	0	0	0	0	824
13:00	118	7	88	176	227	140	41	5	0	0	0	0	0	0	802
14:00	101	11	62	150	248	138	47	5	0	0	0	0	0	0	762
15:00	93	8	39	146	232	197	54	5	0	0	1	0	0	0	775
16:00	103	8	43	134	242	170	59	5	0	0	0	0	0	0	764
17:00	101	7	59	115	262	203	70	8	1	0	1	0	0	0	827
18:00	53	3	42	78	182	185	69	14	1	0	0	0	0	0	627
19:00	50	7	28	55	127	140	61	12	0	0	0	0	0	0	480
20:00	33	3	26	60	122	157	52	9	1	0	0	0	0	0	463
21:00	15	2	21	32	91	111	48	20	1	0	0	0	0	0	341
22:00	15	0	10	16	55	88	52	9	1	0	0	0	0	0	246
23:00	6	0	3	11	54	58	30	6	3	0	0	0	0	0	171
Total	1101	96	629	1613	3264	2924	1200	284	50	5	3	1	0	1	11171

Daily  
 15th Percentile : 24 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 45 MPH  
  
 Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 6188  
 Percent in Pace : 55.4%  
 Number of Vehicles > 40 MPH : 1544  
 Percent of Vehicles > 40 MPH : 13.8%

Old Colony Planning Council  
 70 School Street  
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 508-583-1833

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 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

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			
07/30/09	3	2	2	4	23	31	20	9	1	0	1	0	0	0	0	96
01:00	0	0	1	7	10	28	12	4	2	1	0	0	0	0	0	65
02:00	1	0	2	2	10	13	14	3	0	0	0	0	0	0	0	45
03:00	1	0	0	1	5	17	15	7	2	0	0	1	0	0	0	49
04:00	2	0	0	1	15	29	26	12	3	0	0	0	0	0	0	88
05:00	5	0	0	1	26	72	68	27	8	1	0	0	0	0	0	208
06:00	17	2	2	22	74	131	109	49	14	3	1	0	0	0	0	424
07:00	49	0	8	36	143	203	92	23	7	0	0	0	0	0	0	561
08:00	68	3	18	53	153	196	83	13	3	0	1	0	0	0	0	591
09:00	69	3	24	74	223	166	52	14	1	0	0	0	0	0	0	626
10:00	61	2	24	109	209	202	72	11	2	0	0	0	0	0	0	692
11:00	88	7	68	178	245	133	44	2	0	0	0	0	0	0	0	765
12 PM	130	13	83	250	313	123	23	1	2	0	0	0	0	0	0	938
13:00	96	12	71	175	310	172	36	8	1	0	1	0	0	0	0	882
14:00	108	12	47	158	251	172	52	6	1	0	0	0	0	0	0	807
15:00	109	11	56	127	244	187	61	9	3	127	0	1	0	0	0	808
16:00	106	5	50	114	242	232	82	7	0	0	0	0	0	0	0	838
17:00	122	9	48	111	238	194	67	10	4	0	0	0	0	0	0	803
18:00	55	6	24	62	193	229	85	28	4	0	0	0	0	0	0	686
19:00	47	2	45	58	149	153	75	22	1	0	0	0	0	0	0	552
20:00	44	7	34	77	142	133	50	15	2	0	0	0	0	0	0	504
21:00	28	5	19	40	95	124	66	10	3	0	1	0	0	0	0	391
22:00	16	3	8	20	67	94	41	6	5	0	0	0	0	0	0	260
23:00	4	0	14	14	34	52	42	7	3	2	0	0	0	0	0	172
Total	1229	104	648	1694	3414	3086	1287	303	72	7	6	1	0	0	0	11851

Daily  
 15th Percentile : 24 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 45 MPH  
  
 Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 6500  
 Percent in Pace : 54.8%  
 Number of Vehicles > 40 MPH : 1676  
 Percent of Vehicles > 40 MPH : 14.1%

Grand Total	2330	200	1277	3307	6678	6010	2487	587	122	12	9	2	0	1	23022
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Overall  
 15th Percentile : 24 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 45 MPH  
  
 Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 12688  
 Percent in Pace : 55.1%  
 Number of Vehicles > 40 MPH : 3220  
 Percent of Vehicles > 40 MPH : 14.0%

Old Colony Planning Council  
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 508-583-1833

Community: Brockton  
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 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

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
07:29/09	6	0	1	11	41	53	23	7	0	0	0	0	0	0	142
01:00	4	0	0	2	21	45	22	3	0	0	0	0	0	0	97
02:00	2	0	0	2	14	31	12	3	0	0	0	0	0	0	64
03:00	1	0	1	2	14	19	12	0	0	0	0	0	0	0	49
04:00	5	0	2	1	6	23	10	5	1	0	0	0	0	0	53
05:00	11	0	2	6	16	39	51	13	1	0	0	0	0	0	139
06:00	36	3	8	23	67	87	59	16	1	0	0	0	0	0	300
07:00	99	3	28	71	156	189	58	6	0	1	0	0	0	0	611
08:00	105	8	45	120	236	194	56	8	1	0	0	0	0	0	773
09:00	126	3	35	135	255	160	43	5	2	0	0	0	0	0	764
10:00	99	4	21	153	227	145	32	2	0	0	0	0	0	0	683
11:00	163	15	75	143	203	116	21	2	0	0	0	0	0	0	738
12 PM	157	16	63	217	236	112	17	0	0	0	0	0	0	0	818
13:00	184	5	71	166	218	100	20	2	0	0	0	0	0	0	766
14:00	155	7	46	159	236	158	20	0	1	0	0	0	0	0	782
15:00	158	12	50	175	238	145	43	7	0	0	0	0	0	0	828
16:00	215	13	46	148	261	145	40	6	0	0	0	0	0	0	874
17:00	147	3	34	131	255	190	43	6	0	0	0	0	0	0	809
18:00	118	5	24	99	219	184	39	8	0	1	0	0	0	0	697
19:00	73	8	21	65	169	158	46	4	1	0	0	0	0	0	545
20:00	54	5	27	68	167	114	22	5	0	0	0	0	0	0	462
21:00	31	1	19	42	126	110	29	3	0	0	0	0	0	0	361
22:00	21	1	3	21	81	99	43	8	0	0	0	0	0	0	277
23:00	14	0	2	21	63	80	32	4	0	0	0	0	0	0	216
Total	1984	112	624	1981	3525	2696	793	123	8	2	0	0	0	0	11848

Daily  
 15th Percentile : 14 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 43 MPH  
  
 Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 6221  
 Percent in Pace : 52.5%  
 Number of Vehicles > 40 MPH : 926  
 Percent of Vehicles > 40 MPH : 7.8%

Old Colony Planning Council  
70 School Street  
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508-583-1833

Community: Brockton  
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Recorder #: Jamar #16  
Tube Layout: L6 Basic (2')

Station ID:  
Site Code: 44  
Date Start: 29-Jul-09  
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Belmont St (123), east of Linwood St

**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
07:30/09	3	0	1	11	49	50	27	7	1	0	0	0	0	0	149
01:00	1	1	0	5	27	30	11	2	2	0	1	0	0	0	80
02:00	3	0	0	2	14	26	13	3	0	0	0	0	0	0	61
03:00	0	0	0	6	11	13	8	2	0	1	0	0	0	0	41
04:00	2	0	1	2	10	17	14	7	1	0	0	0	0	0	54
05:00	8	0	3	9	23	43	37	16	1	0	0	0	0	0	140
06:00	32	1	8	25	84	100	61	9	1	0	0	0	0	0	321
07:00	84	1	20	77	195	197	62	8	1	0	0	0	0	0	645
08:00	118	10	33	144	276	229	46	3	1	0	0	0	0	0	860
09:00	103	7	44	170	282	196	37	3	0	0	0	0	0	0	842
10:00	146	4	32	143	241	138	34	3	0	0	0	0	0	0	741
11:00	154	6	68	217	221	86	14	2	0	0	0	0	0	0	768
12 PM	232	14	93	227	212	65	5	1	0	0	0	0	0	0	849
13:00	171	15	83	185	228	123	14	1	1	0	0	0	0	0	821
14:00	182	11	60	154	248	138	23	1	0	0	0	0	0	0	817
15:00	212	13	59	156	219	134	45	3	2	0	0	0	0	0	843
16:00	174	9	61	151	285	164	38	5	0	0	0	0	0	0	887
17:00	195	11	43	147	279	167	44	1	0	0	0	0	0	0	887
18:00	90	6	27	66	210	206	70	11	3	1	0	0	0	0	690
19:00	91	0	23	87	200	145	41	8	0	0	0	0	0	0	595
20:00	70	4	26	90	163	117	33	3	0	0	0	0	0	0	506
21:00	56	5	16	72	136	89	30	9	0	0	0	0	0	0	413
22:00	21	0	6	32	114	90	23	2	0	0	0	0	0	0	288
23:00	15	0	7	15	50	76	32	6	0	0	0	0	0	0	201
Total	2163	118	714	2193	3777	2639	762	116	14	2	1	0	0	0	12499

Daily  
 15th Percentile : 13 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 6416  
 Percent in Pace : 51.3%  
 Number of Vehicles > 40 MPH : 895  
 Percent of Vehicles > 40 MPH : 7.2%

Grand Total	4147	230	1338	4174	7302	5335	1555	239	22	4	1	0	0	0	24347
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Overall  
 15th Percentile : 14 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 12637  
 Percent in Pace : 51.9%  
 Number of Vehicles > 40 MPH : 1821  
 Percent of Vehicles > 40 MPH : 7.5%

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

WB, EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07:29/09	10	0	4	14	61	88	54	12	2	0	0	0	0	0	245
01:00	7	0	1	6	38	68	43	9	1	0	0	0	0	0	173
02:00	3	1	2	3	20	50	22	12	0	0	1	0	0	0	114
03:00	2	0	1	3	19	29	28	12	4	0	0	0	0	0	98
04:00	9	0	2	1	20	50	34	21	4	0	0	0	0	0	141
05:00	15	1	2	9	40	113	127	45	10	0	0	0	0	0	362
06:00	58	5	17	45	135	221	151	54	15	2	0	0	0	0	703
07:00	134	6	44	108	275	360	147	32	4	2	0	0	0	0	1112
08:00	149	12	65	171	414	374	111	22	4	1	0	1	0	1	1325
09:00	186	7	53	200	454	332	117	18	4	1	0	3	0	0	1372
10:00	161	7	59	278	465	321	77	8	0	0	0	0	0	0	1376
11:00	245	24	125	294	436	282	67	8	0	0	0	0	0	0	1481
12 PM	248	29	114	394	537	262	55	3	0	0	0	0	0	0	1642
13:00	302	12	159	342	445	240	61	7	0	0	0	0	0	0	1568
14:00	256	18	108	309	484	296	67	5	1	0	0	0	0	0	1544
15:00	251	20	89	321	470	342	97	12	0	0	1	0	0	0	1603
16:00	318	21	89	282	503	315	99	11	0	0	0	0	0	0	1638
17:00	248	10	93	246	517	393	113	14	1	0	1	0	0	0	1636
18:00	171	8	66	177	401	369	108	22	1	1	0	0	0	0	1324
19:00	123	15	49	120	296	298	107	16	1	0	0	0	0	0	1025
20:00	87	8	53	128	289	271	74	14	1	0	0	0	0	0	925
21:00	46	3	40	74	217	221	77	23	1	0	0	0	0	0	702
22:00	36	1	13	37	136	187	95	17	1	0	0	0	0	0	523
23:00	20	0	5	32	117	138	62	10	3	0	0	0	0	0	387
Total	3085	208	1253	3594	6789	5620	1993	407	58	7	3	1	0	1	23019

Daily  
 15th Percentile : 21 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 12409  
 Percent in Pace : 53.9%  
 Number of Vehicles > 40 MPH : 2470  
 Percent of Vehicles > 40 MPH : 10.7%

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

WB, EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/30/09	6	2	3	15	72	81	47	16	2	0	1	0	0	0	245
01:00	1	1	1	12	37	58	23	6	4	1	1	0	0	0	145
02:00	4	0	2	4	24	39	27	6	0	0	0	0	0	0	106
03:00	1	0	0	7	16	30	23	9	2	1	0	1	0	0	90
04:00	4	0	1	3	25	46	40	19	4	0	0	0	0	0	142
05:00	13	0	3	10	49	115	105	43	9	1	0	0	0	0	348
06:00	49	3	10	47	158	231	170	58	15	3	1	0	0	0	745
07:00	133	1	28	113	338	400	154	31	8	0	0	0	0	0	1206
08:00	186	13	51	197	429	425	129	16	4	0	1	0	0	0	1451
09:00	172	10	68	244	505	362	89	17	1	0	0	0	0	0	1468
10:00	207	6	56	252	450	340	106	14	2	0	0	0	0	0	1433
11:00	242	13	136	395	466	219	58	4	0	0	0	0	0	0	1533
12 PM	362	27	176	477	525	188	28	2	2	0	0	0	0	0	1787
13:00	267	27	154	360	538	295	50	9	2	0	1	0	0	0	1703
14:00	290	23	107	312	499	310	75	7	1	0	0	0	0	0	1624
15:00	321	24	115	283	463	321	106	12	5	0	1	0	0	0	1651
16:00	280	14	111	265	527	396	120	12	0	0	0	0	0	0	1725
17:00	317	20	91	258	517	361	111	11	4	0	0	0	0	0	1690
18:00	145	12	51	128	403	435	155	39	7	1	0	0	0	0	1376
19:00	138	2	68	145	349	298	116	30	1	0	0	0	0	0	1147
20:00	114	11	60	167	305	250	83	18	2	0	0	0	0	0	1010
21:00	84	10	35	112	231	213	96	19	3	0	1	0	0	0	804
22:00	37	3	14	52	181	184	64	8	5	0	0	0	0	0	548
23:00	19	0	21	29	84	128	74	13	3	2	0	0	0	0	373
Total	3392	222	1362	3887	7191	5725	2049	419	86	9	7	1	0	0	24350

Daily  
 15th Percentile : 21 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 12916  
 Percent in Pace : 53.0%  
 Number of Vehicles > 40 MPH : 2571  
 Percent of Vehicles > 40 MPH : 10.6%

Grand Total	6477	430	2615	7481	13980	11345	4042	826	144	16	10	2	0	1	47369
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Overall  
 15th Percentile : 21 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 25325  
 Percent in Pace : 53.5%  
 Number of Vehicles > 40 MPH : 5041  
 Percent of Vehicles > 40 MPH : 10.6%



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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood 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	Truck Total
07/29/09	1	85	14	1	1	1	0	0	0	0	0	0	0	103	3
01:00	0	63	11	0	1	0	0	0	0	0	0	0	0	75	1
02:00	0	39	9	0	0	0	0	0	2	0	0	0	0	50	2
03:00	0	42	3	0	3	1	0	0	0	0	0	0	0	49	4
04:00	0	67	15	1	3	0	0	0	1	0	0	0	0	87	5
05:00	3	150	51	1	16	0	0	1	1	0	0	0	0	223	19
06:00	3	304	71	2	17	1	0	4	0	0	0	0	0	402	24
07:00	3	365	96	8	23	1	0	3	1	0	0	0	0	500	36
08:00	3	411	108	3	20	3	0	2	1	0	0	0	0	551	29
09:00	1	441	126	5	22	4	1	7	2	1	0	0	0	610	42
10:00	3	512	128	1	27	9	0	7	5	1	1	0	1	695	52
11:00	6	544	155	5	21	6	0	6	1	0	0	0	0	744	39
12 PM	3	638	149	5	17	6	0	5	2	0	0	1	0	826	36
13:00	5	626	128	5	24	8	1	4	1	0	0	0	0	802	43
14:00	5	589	135	5	18	3	0	6	2	0	0	0	0	763	34
15:00	5	585	144	2	23	6	1	6	4	0	0	0	0	776	42
16:00	9	594	123	2	23	4	1	8	1	0	0	0	0	765	39
17:00	10	675	114	4	15	8	0	2	0	0	0	0	0	828	29
18:00	3	495	97	4	20	4	0	5	1	0	0	0	0	629	34
19:00	2	373	89	3	13	1	0	1	0	0	0	0	1	483	19
20:00	1	370	77	1	12	2	0	0	0	0	0	0	0	463	15
21:00	4	282	50	1	0	0	0	2	1	0	0	0	0	340	4
22:00	1	201	35	0	6	0	0	1	1	0	0	0	0	245	8
23:00	1	140	25	1	1	3	0	0	0	0	0	0	0	171	5
Total	72	8591	1953	60	326	71	4	70	27	2	1	1	2	11180	564
Percent	0.6%	76.8%	17.5%	0.5%	2.9%	0.6%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak	11:00	11:00	11:00	07:00	10:00	10:00	09:00	09:00	10:00	09:00	10:00		10:00	11:00	10:00
Vol.	6	544	155	8	27	9	1	7	5	1	1		1	744	52
PM Peak	17:00	17:00	12:00	12:00	13:00	13:00	13:00	16:00	15:00			12:00	19:00	17:00	13:00
Vol.	10	675	149	5	24	8	1	8	4			1	1	828	43

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

Community: Brockton  
Com #\_U/RFC: 44\_U3  
Recorder #: Jamar #16  
Tube Layout: L6 Basic (2')

Station ID:  
Site Code: 44  
Date Start: 29-Jul-09  
Date End: 30-Jul-09  
Belmont St (123), east of Linwood 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	Truck Total
	07/30/09	0	83	9	2	1	0	0	0	0	0	0	0	0	95	3
	01:00	0	50	12	0	3	0	0	0	0	0	0	0	0	65	3
	02:00	0	38	7	0	0	0	0	0	0	0	0	0	0	45	0
	03:00	0	35	8	0	5	1	0	0	0	0	0	0	0	49	6
	04:00	0	57	20	2	7	1	0	0	1	0	0	0	0	88	11
	05:00	0	148	46	1	12	0	0	0	1	0	0	0	0	208	14
	06:00	3	309	88	3	20	2	0	0	0	0	0	0	0	425	25
	07:00	0	419	105	3	22	5	0	4	1	0	0	0	0	559	35
	08:00	1	441	108	2	20	6	0	10	2	0	2	1	0	593	43
	09:00	3	471	108	5	26	5	0	6	1	0	0	0	2	627	45
	10:00	4	510	131	8	25	8	0	5	2	0	0	0	0	693	48
	11:00	8	572	135	7	29	7	0	5	4	0	0	0	0	767	52
	12 PM	11	714	162	4	23	12	0	10	2	0	0	0	0	938	51
	13:00	7	691	144	3	25	4	1	6	1	0	1	0	0	883	41
	14:00	4	625	132	6	20	10	1	7	0	1	1	0	1	808	47
	15:00	6	604	145	4	32	12	0	4	1	0	0	0	0	808	53
	16:00	5	649	150	1	20	6	0	7	0	1	0	0	0	839	35
	17:00	7	632	133	2	15	7	0	7	1	0	0	0	0	804	32
	18:00	5	556	96	2	18	5	0	6	0	0	0	0	0	688	31
	19:00	2	438	93	0	10	2	0	4	3	0	0	0	0	552	19
	20:00	3	397	86	1	12	2	0	0	2	0	0	0	0	503	17
	21:00	5	317	55	0	7	2	0	3	1	0	0	0	0	390	13
	22:00	1	221	29	0	5	2	0	1	0	0	0	0	0	259	8
	23:00	1	134	32	0	4	1	0	0	0	0	0	0	0	172	5
	Total	76	9111	2034	56	361	100	2	85	23	2	4	1	3	11858	637
	Percent	0.6%	76.8%	17.2%	0.5%	3.0%	0.8%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		5.4%
	AM Peak	11:00	11:00	11:00	10:00	11:00	10:00		08:00	11:00		08:00	08:00	09:00	11:00	11:00
	Vol.	8	572	135	8	29	8		10	4		2	1	2	767	52
	PM Peak	12:00	12:00	12:00	14:00	15:00	12:00	13:00	12:00	19:00	14:00	13:00		14:00	12:00	15:00
	Vol.	11	714	162	6	32	12	1	10	3	1	1		1	938	53
	Grand Total	148	17702	3987	116	687	171	6	155	50	4	5	2	5	23038	1201
	Percent	0.6%	76.8%	17.3%	0.5%	3.0%	0.7%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		5.2%

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood 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	Truck Total
07/29/09	1	130	10	0	0	0	0	0	1	0	0	0	0	142	1
01:00	0	81	13	0	2	0	0	0	1	0	0	0	0	97	3
02:00	0	50	10	0	1	0	0	1	2	0	0	0	0	64	4
03:00	0	42	5	0	0	2	0	0	0	0	0	0	0	49	2
04:00	0	38	9	1	2	1	0	0	2	0	0	0	0	53	6
05:00	0	105	24	3	5	2	0	0	0	0	0	0	0	139	10
06:00	1	221	57	2	11	6	0	1	0	0	0	0	0	299	20
07:00	4	493	74	3	23	6	1	3	3	1	1	0	0	612	41
08:00	9	633	102	3	21	2	0	1	3	0	0	0	0	774	30
09:00	2	620	105	1	22	4	0	8	2	0	0	1	0	765	38
10:00	4	545	98	6	20	4	0	5	1	0	0	0	1	684	37
11:00	4	599	97	8	24	3	0	5	1	0	0	0	0	741	41
12 PM	6	691	94	3	17	4	0	4	2	0	0	0	0	821	30
13:00	8	616	110	5	18	7	0	2	2	1	0	0	0	769	35
14:00	2	658	92	0	21	6	0	5	1	0	0	0	0	785	33
15:00	4	670	119	3	17	5	0	9	3	0	0	0	1	831	38
16:00	5	719	118	0	22	5	0	5	0	0	0	0	1	875	33
17:00	3	716	71	2	12	1	0	2	0	0	1	0	0	808	18
18:00	3	610	69	1	10	2	0	3	1	0	0	0	0	699	17
19:00	2	471	57	1	12	1	0	2	0	0	0	0	0	546	16
20:00	1	399	51	0	8	1	0	3	1	0	0	0	0	464	13
21:00	2	321	32	0	5	0	0	0	1	0	0	0	0	361	6
22:00	0	253	21	0	2	0	0	0	1	0	0	0	0	277	3
23:00	1	192	21	0	0	0	0	0	1	0	0	0	0	215	1
Total	62	9873	1459	42	275	62	1	59	29	2	2	1	3	11870	476
Percent	0.5%	83.2%	12.3%	0.4%	2.3%	0.5%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		4.0%
AM Peak	08:00	08:00	09:00	11:00	11:00	06:00	07:00	09:00	07:00	07:00	07:00	09:00	10:00	08:00	07:00
Vol.	9	633	105	8	24	6	1	8	3	1	1	1	1	774	41
PM Peak	13:00	16:00	15:00	13:00	16:00	13:00		15:00	15:00	13:00	17:00		15:00	16:00	15:00
Vol.	8	719	119	5	22	7		9	3	1	1		1	875	38

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood 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	Truck Total
07/30/09	0	130	18	0	0	0	0	0	0	0	0	0	0	148	0
01:00	0	64	12	0	2	1	0	0	1	0	0	0	0	80	4
02:00	0	48	10	1	0	0	0	0	1	0	0	0	0	60	2
03:00	0	36	4	0	0	1	0	0	0	0	0	0	0	41	1
04:00	0	42	5	1	2	0	0	0	4	0	0	0	0	54	7
05:00	0	112	17	0	3	2	0	1	4	0	0	0	0	139	10
06:00	2	235	55	1	17	6	0	2	2	0	0	1	0	321	29
07:00	4	524	85	2	20	4	0	2	5	0	1	0	0	647	34
08:00	2	720	99	2	29	4	0	4	1	0	0	0	0	861	40
09:00	4	689	97	4	26	11	0	7	3	0	0	1	0	842	52
10:00	4	598	112	3	16	5	0	2	0	1	0	0	0	741	27
11:00	3	611	122	3	17	4	0	4	3	0	0	0	0	767	31
12 PM	3	696	115	2	22	5	1	6	1	0	0	0	0	851	37
13:00	5	686	91	4	22	7	0	6	2	0	0	0	0	823	41
14:00	4	689	92	6	16	4	0	6	1	1	0	0	0	819	34
15:00	6	687	114	1	22	4	1	6	3	0	0	0	1	845	38
16:00	3	729	126	4	13	4	0	10	0	0	0	0	0	889	31
17:00	5	747	109	1	15	5	0	7	0	0	0	0	0	889	28
18:00	2	594	76	2	10	3	0	3	2	0	0	0	0	692	20
19:00	3	510	71	1	6	3	0	2	1	0	0	0	0	597	13
20:00	5	444	43	2	7	3	0	2	1	0	0	0	0	507	15
21:00	4	367	34	0	5	2	0	2	1	0	0	0	0	415	10
22:00	3	258	22	1	3	0	0	0	1	0	0	0	0	288	5
23:00	1	174	21	0	3	1	0	0	0	0	0	0	0	200	4
Total	63	10390	1550	41	276	79	2	72	37	2	1	2	1	12516	513
Percent	0.5%	83.0%	12.4%	0.3%	2.2%	0.6%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%		4.1%
AM Peak	07:00	08:00	11:00	09:00	08:00	09:00		09:00	07:00	10:00	07:00	06:00		08:00	09:00
Vol.	4	720	122	4	29	11		7	5	1	1	1		861	52
PM Peak	15:00	17:00	16:00	14:00	12:00	13:00	12:00	16:00	15:00	14:00			15:00	16:00	13:00
Vol.	6	747	126	6	22	7	1	10	3	1			1	889	41
Grand Total	125	20263	3009	83	551	141	3	131	66	4	3	3	4	24386	989
Percent	0.5%	83.1%	12.3%	0.3%	2.3%	0.6%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		4.1%

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

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	Truck Total
07/29/09	2	215	24	1	1	1	0	0	1	0	0	0	0	245	4
01:00	0	144	24	0	3	0	0	0	1	0	0	0	0	172	4
02:00	0	89	19	0	1	0	0	1	4	0	0	0	0	114	6
03:00	0	84	8	0	3	3	0	0	0	0	0	0	0	98	6
04:00	0	105	24	2	5	1	0	0	3	0	0	0	0	140	11
05:00	3	255	75	4	21	2	0	1	1	0	0	0	0	362	29
06:00	4	525	128	4	28	7	0	5	0	0	0	0	0	701	44
07:00	7	858	170	11	46	7	1	6	4	1	1	0	0	1112	77
08:00	12	1044	210	6	41	5	0	3	4	0	0	0	0	1325	59
09:00	3	1061	231	6	44	8	1	15	4	1	0	1	0	1375	80
10:00	7	1057	226	7	47	13	0	12	6	1	1	0	2	1379	89
11:00	10	1143	252	13	45	9	0	11	2	0	0	0	0	1485	80
12 PM	9	1329	243	8	34	10	0	9	4	0	0	1	0	1647	66
13:00	13	1242	238	10	42	15	1	6	3	1	0	0	0	1571	78
14:00	7	1247	227	5	39	9	0	11	3	0	0	0	0	1548	67
15:00	9	1255	263	5	40	11	1	15	7	0	0	0	1	1607	80
16:00	14	1313	241	2	45	9	1	13	1	0	0	0	1	1640	72
17:00	13	1391	185	6	27	9	0	4	0	0	1	0	0	1636	47
18:00	6	1105	166	5	30	6	0	8	2	0	0	0	0	1328	51
19:00	4	844	146	4	25	2	0	3	0	0	0	0	1	1029	35
20:00	2	769	128	1	20	3	0	3	1	0	0	0	0	927	28
21:00	6	603	82	1	5	0	0	2	2	0	0	0	0	701	10
22:00	1	454	56	0	8	0	0	1	2	0	0	0	0	522	11
23:00	2	332	46	1	1	3	0	0	1	0	0	0	0	386	6
Total	134	18464	3412	102	601	133	5	129	56	4	3	2	5	23050	1040
Percent	0.6%	80.1%	14.8%	0.4%	2.6%	0.6%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		4.5%
AM Peak	08:00	11:00	11:00	11:00	10:00	10:00	07:00	09:00	10:00	07:00	07:00	09:00	10:00	11:00	10:00
Vol.	12	1143	252	13	47	13	1	15	6	1	1	1	2	1485	89
PM Peak	16:00	17:00	15:00	13:00	16:00	13:00	13:00	15:00	15:00	13:00	17:00	12:00	15:00	12:00	15:00
Vol.	14	1391	263	10	45	15	1	15	7	1	1	1	1	1647	80

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

Community: Brockton  
 Com #\_U/RFC: 44\_U3  
 Recorder #: Jamar #16  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 29-Jul-09  
 Date End: 30-Jul-09  
 Belmont St (123), east of Linwood St

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	Truck Total
07/30/09	0	213	27	2	1	0	0	0	0	0	0	0	0	243	3
01:00	0	114	24	0	5	1	0	0	1	0	0	0	0	145	7
02:00	0	86	17	1	0	0	0	0	1	0	0	0	0	105	2
03:00	0	71	12	0	5	2	0	0	0	0	0	0	0	90	7
04:00	0	99	25	3	9	1	0	0	5	0	0	0	0	142	18
05:00	0	260	63	1	15	2	0	1	5	0	0	0	0	347	24
06:00	5	544	143	4	37	8	0	2	2	0	0	1	0	746	54
07:00	4	943	190	5	42	9	0	6	6	0	1	0	0	1206	69
08:00	3	1161	207	4	49	10	0	14	3	0	2	1	0	1454	83
09:00	7	1160	205	9	52	16	0	13	4	0	0	1	2	1469	97
10:00	8	1108	243	11	41	13	0	7	2	1	0	0	0	1434	75
11:00	11	1183	257	10	46	11	0	9	7	0	0	0	0	1534	83
12 PM	14	1410	277	6	45	17	1	16	3	0	0	0	0	1789	88
13:00	12	1377	235	7	47	11	1	12	3	0	1	0	0	1706	82
14:00	8	1314	224	12	36	14	1	13	1	2	1	0	1	1627	81
15:00	12	1291	259	5	54	16	1	10	4	0	0	0	1	1653	91
16:00	8	1378	276	5	33	10	0	17	0	1	0	0	0	1728	66
17:00	12	1379	242	3	30	12	0	14	1	0	0	0	0	1693	60
18:00	7	1150	172	4	28	8	0	9	2	0	0	0	0	1380	51
19:00	5	948	164	1	16	5	0	6	4	0	0	0	0	1149	32
20:00	8	841	129	3	19	5	0	2	3	0	0	0	0	1010	32
21:00	9	684	89	0	12	4	0	5	2	0	0	0	0	805	23
22:00	4	479	51	1	8	2	0	1	1	0	0	0	0	547	13
23:00	2	308	53	0	7	2	0	0	0	0	0	0	0	372	9
Total	139	19501	3584	97	637	179	4	157	60	4	5	3	4	24374	1150
Percent	0.6%	80.0%	14.7%	0.4%	2.6%	0.7%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		4.7%
AM Peak	11:00	11:00	11:00	10:00	09:00	09:00		08:00	11:00	10:00	08:00	06:00	09:00	11:00	09:00
Vol.	11	1183	257	11	52	16		14	7	1	2	1	2	1534	97
PM Peak	12:00	12:00	12:00	14:00	15:00	12:00	12:00	16:00	15:00	14:00	13:00		14:00	12:00	15:00
Vol.	14	1410	277	12	54	17	1	17	4	2	1		1	1789	91
Grand Total	273	37965	6996	199	1238	312	9	286	116	8	8	5	9	47424	2190
Percent	0.6%	80.1%	14.8%	0.4%	2.6%	0.7%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		4.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

Start Time	16-Sep-13		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	*	*	*	*	43	20	51	29	*	*	*	*	*	*	47	24
01:00	*	*	*	*	30	12	24	22	*	*	*	*	*	*	27	17
02:00	*	*	*	*	19	19	29	16	*	*	*	*	*	*	24	18
03:00	*	*	*	*	14	15	14	15	*	*	*	*	*	*	14	15
04:00	*	*	*	*	20	39	19	42	*	*	*	*	*	*	20	40
05:00	*	*	*	*	30	130	37	134	*	*	*	*	*	*	34	132
06:00	*	*	*	*	89	177	94	147	*	*	*	*	*	*	92	162
07:00	*	*	*	*	172	218	139	196	*	*	*	*	*	*	156	207
08:00	*	*	*	*	195	177	182	194	*	*	*	*	*	*	188	186
09:00	*	*	*	*	214	165	172	191	*	*	*	*	*	*	193	178
10:00	*	*	*	*	183	203	210	167	*	*	*	*	*	*	196	185
11:00	*	*	*	*	211	211	242	205	*	*	*	*	*	*	226	208
12:00 PM	*	*	*	*	212	212	269	234	*	*	*	*	*	*	240	223
01:00	*	*	*	*	274	215	248	220	*	*	*	*	*	*	261	218
02:00	*	*	*	*	247	195	292	209	*	*	*	*	*	*	270	202
03:00	*	*	*	*	308	232	366	237	*	*	*	*	*	*	337	234
04:00	*	*	*	*	419	225	373	238	*	*	*	*	*	*	396	232
05:00	*	*	*	*	342	209	367	264	*	*	*	*	*	*	354	236
06:00	*	*	*	*	276	203	312	226	*	*	*	*	*	*	294	214
07:00	*	*	*	*	259	166	256	181	*	*	*	*	*	*	258	174
08:00	*	*	*	*	194	123	257	131	*	*	*	*	*	*	226	127
09:00	*	*	*	*	150	94	161	98	*	*	*	*	*	*	156	96
10:00	*	*	*	*	117	57	133	84	*	*	*	*	*	*	125	70
11:00	*	*	*	*	80	47	96	50	*	*	*	*	*	*	88	48
Total Day	0	0	0	0	4098	3364	4343	3530	0	0	0	0	0	0	4222	3446
AM Peak	-	-	-	-	09:00	07:00	11:00	11:00	-	-	-	-	-	-	11:00	11:00
Vol.	-	-	-	-	214	218	242	205	-	-	-	-	-	-	226	208
PM Peak	-	-	-	-	16:00	15:00	16:00	17:00	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	-	-	419	232	373	264	-	-	-	-	-	-	396	236

Comb. Total                    0                    0                    7462                    7873                    0                    0                    0                    7668

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

Start Time	18-Sep-13		NB		SB		Combined		19-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			8	56	2	59	10	115			17	72	14	55	31	127
12:15			16	52	9	46	25	98			16	60	6	64	22	124
12:30			13	55	6	55	19	110			8	65	6	58	14	123
12:45			6	49	3	52	9	101			10	72	3	57	13	129
01:00			7	70	1	67	8	137			10	66	10	54	20	120
01:15			7	71	5	46	12	117			5	69	4	58	9	127
01:30			7	66	0	47	7	113			3	56	5	47	8	103
01:45			9	67	6	55	15	122			6	57	3	61	9	118
02:00			5	72	9	39	14	111			6	74	5	49	11	123
02:15			10	49	5	52	15	101			11	72	3	49	14	121
02:30			2	59	2	46	4	105			8	54	3	47	11	101
02:45			2	67	3	58	5	125			4	92	5	64	9	156
03:00			2	66	3	55	5	121			5	69	1	47	6	116
03:15			1	80	4	56	5	136			4	84	2	62	6	146
03:30			11	77	2	57	13	134			2	91	6	70	8	161
03:45			0	85	6	64	6	149			3	122	6	58	9	180
04:00			6	86	7	55	13	141			5	90	8	68	13	158
04:15			2	99	12	52	14	151			3	100	12	56	15	156
04:30			4	110	12	55	16	165			6	93	10	58	16	151
04:45			8	124	8	63	16	187			5	90	12	56	17	146
05:00			2	87	23	53	25	140			3	110	21	75	24	185
05:15			5	92	27	53	32	145			7	101	29	59	36	160
05:30			9	93	35	66	44	159			14	70	45	75	59	145
05:45			14	70	45	37	59	107			13	86	39	55	52	141
06:00			21	77	43	52	64	129			28	84	31	76	59	160
06:15			6	69	50	42	56	111			21	79	41	54	62	133
06:30			32	59	43	63	75	122			15	78	37	39	52	117
06:45			30	71	41	46	71	117			30	71	38	57	68	128
07:00			44	80	63	50	107	130			52	57	59	50	111	107
07:15			37	61	49	51	86	112			28	81	43	38	71	119
07:30			39	66	57	32	96	98			24	73	44	48	68	121
07:45			52	52	49	33	101	85			35	45	50	45	85	90
08:00			51	53	51	32	102	85			45	97	56	54	101	151
08:15			38	48	43	36	81	84			41	60	52	34	93	94
08:30			54	50	45	29	99	79			50	52	45	22	95	74
08:45			52	43	38	26	90	69			46	48	41	21	87	69
09:00			41	41	45	27	86	68			53	45	52	28	105	73
09:15			60	45	35	26	95	71			39	42	44	19	83	61
09:30			54	39	39	21	93	60			36	43	45	31	81	74
09:45			59	25	46	20	105	45			44	31	50	20	94	51
10:00			43	27	50	19	93	46			54	41	34	25	88	66
10:15			46	35	48	14	94	49			50	33	38	25	88	58
10:30			41	33	55	10	96	43			46	33	41	21	87	54
10:45			53	22	50	14	103	36			60	26	54	13	114	39
11:00			44	19	45	22	89	41			62	26	52	12	114	38
11:15			52	19	58	5	110	24			55	19	60	9	115	28
11:30			59	22	67	10	126	32			46	25	51	17	97	42
11:45			56	20	41	10	97	30			79	26	42	12	121	38
Total			1220	2878	1386	1978	2606	4856			1213	3130	1358	2172	2571	5302
Day Total			4098		3364		7462				4343		3530		7873	
% Total			16.3%	38.6%	18.6%	26.5%					15.4%	39.8%	17.2%	27.6%		
Peak	-		09:15	04:15	10:45	04:45	10:45	04:00	-		11:00	03:45	10:45	04:45	11:00	03:30
Vol.	-		216	420	220	235	428	644	-		242	405	217	265	447	655
P.H.F.			0.900	0.847	0.821	0.890	0.849	0.861			0.766	0.830	0.904	0.883	0.924	0.910



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	63	80	*	*	*	72
01:00	*	*	42	46	*	*	*	44
02:00	*	*	38	45	*	*	*	42
03:00	*	*	29	29	*	*	*	29
04:00	*	*	59	61	*	*	*	60
05:00	*	*	160	171	*	*	*	166
06:00	*	*	266	241	*	*	*	254
07:00	*	*	390	335	*	*	*	362
08:00	*	*	372	376	*	*	*	374
09:00	*	*	379	363	*	*	*	371
10:00	*	*	386	377	*	*	*	382
11:00	*	*	<b>422</b>	<b>447</b>	*	*	*	<b>434</b>
12:00 PM	*	*	424	503	*	*	*	464
01:00	*	*	489	468	*	*	*	478
02:00	*	*	442	501	*	*	*	472
03:00	*	*	540	603	*	*	*	572
04:00	*	*	<b>644</b>	611	*	*	*	<b>628</b>
05:00	*	*	551	<b>631</b>	*	*	*	591
06:00	*	*	479	538	*	*	*	508
07:00	*	*	425	437	*	*	*	431
08:00	*	*	317	388	*	*	*	352
09:00	*	*	244	259	*	*	*	252
10:00	*	*	174	217	*	*	*	196
11:00	*	*	127	146	*	*	*	136
Total	0	0	7462	7873	0	0	0	7670
Percentage	0.0%	0.0%	97.3%	102.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	422	447	-	-	-	434
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	644	631	-	-	-	628

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	1	14	18	9	1	0	0	0	0	0	0	0	0	0	43
01:00	0	2	13	10	4	1	0	0	0	0	0	0	0	0	0	30
02:00	0	0	6	9	2	1	0	1	0	0	0	0	0	0	0	19
03:00	0	0	3	6	4	1	0	0	0	0	0	0	0	0	0	14
04:00	0	1	1	14	4	0	0	0	0	0	0	0	0	0	0	20
05:00	2	1	2	9	11	4	1	0	0	0	0	0	0	0	0	30
06:00	11	3	21	31	19	3	1	0	0	0	0	0	0	0	0	89
07:00	31	14	43	46	36	2	0	0	0	0	0	0	0	0	0	172
08:00	18	14	47	73	40	3	0	0	0	0	0	0	0	0	0	195
09:00	35	16	57	72	31	1	1	1	0	0	0	0	0	0	0	214
10:00	11	9	49	78	32	4	0	0	0	0	0	0	0	0	0	183
11:00	12	6	75	90	21	7	0	0	0	0	0	0	0	0	0	211
12 PM	10	12	62	86	33	8	0	1	0	0	0	0	0	0	0	212
13:00	9	26	93	116	27	3	0	0	0	0	0	0	0	0	0	274
14:00	18	36	79	89	20	4	1	0	0	0	0	0	0	0	0	247
15:00	16	35	107	126	22	2	0	0	0	0	0	0	0	0	0	308
16:00	46	52	132	144	38	7	0	0	0	0	0	0	0	0	0	419
17:00	12	21	117	140	47	5	0	0	0	0	0	0	0	0	0	342
18:00	12	23	94	117	27	3	0	0	0	0	0	0	0	0	0	276
19:00	5	19	99	109	24	3	0	0	0	0	0	0	0	0	0	259
20:00	3	4	65	98	24	0	0	0	0	0	0	0	0	0	0	194
21:00	2	7	39	80	22	0	0	0	0	0	0	0	0	0	0	150
22:00	0	6	43	47	18	3	0	0	0	0	0	0	0	0	0	117
23:00	1	4	18	41	12	4	0	0	0	0	0	0	0	0	0	80
<b>Total</b>	<b>254</b>	<b>312</b>	<b>1279</b>	<b>1649</b>	<b>527</b>	<b>70</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4098</b>

Daily

15th Percentile :	15 MPH
50th Percentile :	24 MPH
85th Percentile :	30 MPH
95th Percentile :	33 MPH

Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	2477
Percent in Pace :	60.4%
Number of Vehicles > 30 MPH :	604
Percent of Vehicles > 30 MPH :	14.7%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/1																
3	0	5	20	13	12	1	0	0	0	0	0	0	0	0	0	51
01:00	0	1	8	13	1	1	0	0	0	0	0	0	0	0	0	24
02:00	0	1	8	12	7	1	0	0	0	0	0	0	0	0	0	29
03:00	0	0	3	5	4	2	0	0	0	0	0	0	0	0	0	14
04:00	0	0	5	8	4	2	0	0	0	0	0	0	0	0	0	19
05:00	2	1	7	16	8	3	0	0	0	0	0	0	0	0	0	37
06:00	11	6	19	34	22	2	0	0	0	0	0	0	0	0	0	94
07:00	31	10	21	47	25	3	2	0	0	0	0	0	0	0	0	139
08:00	11	12	49	74	33	3	0	0	0	0	0	0	0	0	0	182
09:00	14	17	40	73	24	4	0	0	0	0	0	0	0	0	0	172
10:00	7	8	66	94	32	2	1	0	0	0	0	0	0	0	0	210
11:00	10	17	90	89	35	1	0	0	0	0	0	0	0	0	0	242
12 PM	17	23	103	88	32	5	1	0	0	0	0	0	0	0	0	269
13:00	12	6	79	109	37	4	1	0	0	0	0	0	0	0	0	248
14:00	62	26	93	83	24	3	1	0	0	0	0	0	0	0	0	292
15:00	21	33	130	148	33	1	0	0	0	0	0	0	0	0	0	366
16:00	18	26	133	147	46	3	0	0	0	0	0	0	0	0	0	373
17:00	39	44	135	111	34	3	1	0	0	0	0	0	0	0	0	367
18:00	16	23	110	134	25	3	0	1	0	0	0	0	0	0	0	312
19:00	39	19	80	96	21	1	0	0	0	0	0	0	0	0	0	256
20:00	18	26	91	92	27	3	0	0	0	0	0	0	0	0	0	257
21:00	4	7	43	76	27	4	0	0	0	0	0	0	0	0	0	161
22:00	2	8	39	52	29	3	0	0	0	0	0	0	0	0	0	133
23:00	0	0	34	37	21	3	0	1	0	0	0	0	0	0	0	96
<b>Total</b>	<b>334</b>	<b>319</b>	<b>1406</b>	<b>1651</b>	<b>563</b>	<b>61</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4343</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 2551  
 Percent in Pace : 58.7%  
 Number of Vehicles > 30 MPH : 633  
 Percent of Vehicles > 30 MPH : 14.6%

<b>Grand Total</b>	<b>588</b>	<b>631</b>	<b>2685</b>	<b>3300</b>	<b>1090</b>	<b>131</b>	<b>11</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8441</b>
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Overall

15th Percentile : 15 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 5027  
 Percent in Pace : 59.6%  
 Number of Vehicles > 30 MPH : 1237  
 Percent of Vehicles > 30 MPH : 14.7%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**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
09/18/1															
3	0	0	3	12	4	0	1	0	0	0	0	0	0	0	20
01:00	0	2	1	5	3	1	0	0	0	0	0	0	0	0	12
02:00	0	0	0	10	8	1	0	0	0	0	0	0	0	0	19
03:00	0	0	0	5	8	2	0	0	0	0	0	0	0	0	15
04:00	0	1	4	7	19	8	0	0	0	0	0	0	0	0	39
05:00	1	0	11	59	48	11	0	0	0	0	0	0	0	0	130
06:00	19	5	29	75	40	9	0	0	0	0	0	0	0	0	177
07:00	61	7	17	72	52	9	0	0	0	0	0	0	0	0	218
08:00	14	3	25	56	63	16	0	0	0	0	0	0	0	0	177
09:00	17	10	38	62	31	7	0	0	0	0	0	0	0	0	165
10:00	17	14	51	83	37	1	0	0	0	0	0	0	0	0	203
11:00	22	20	46	94	26	3	0	0	0	0	0	0	0	0	211
12 PM	12	14	68	91	24	1	1	0	0	1	0	0	0	0	212
13:00	23	12	62	76	37	5	0	0	0	0	0	0	0	0	215
14:00	22	11	53	77	29	3	0	0	0	0	0	0	0	0	195
15:00	23	14	67	95	30	3	0	0	0	0	0	0	0	0	232
16:00	35	12	40	93	36	9	0	0	0	0	0	0	0	0	225
17:00	20	14	50	87	35	3	0	0	0	0	0	0	0	0	209
18:00	21	8	58	84	27	4	1	0	0	0	0	0	0	0	203
19:00	5	9	49	65	35	3	0	0	0	0	0	0	0	0	166
20:00	7	2	40	62	12	0	0	0	0	0	0	0	0	0	123
21:00	4	1	24	47	17	1	0	0	0	0	0	0	0	0	94
22:00	0	5	12	26	14	0	0	0	0	0	0	0	0	0	57
23:00	1	2	5	23	15	1	0	0	0	0	0	0	0	0	47
<b>Total</b>	<b>324</b>	<b>166</b>	<b>753</b>	<b>1366</b>	<b>650</b>	<b>101</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3364</b>

Daily

15th Percentile :	12 MPH
50th Percentile :	25 MPH
85th Percentile :	31 MPH
95th Percentile :	34 MPH

Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	1886
Percent in Pace :	56.1%
Number of Vehicles > 30 MPH :	755
Percent of Vehicles > 30 MPH :	22.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**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
09/19/13	0	1	7	11	7	2	1	0	0	0	0	0	0	0	29
01:00	0	2	4	7	7	2	0	0	0	0	0	0	0	0	22
02:00	1	0	1	5	6	2	1	0	0	0	0	0	0	0	16
03:00	0	0	2	3	5	4	1	0	0	0	0	0	0	0	15
04:00	0	1	2	13	22	3	0	1	0	0	0	0	0	0	42
05:00	1	1	16	51	53	11	1	0	0	0	0	0	0	0	134
06:00	12	1	20	68	39	7	0	0	0	0	0	0	0	0	147
07:00	55	1	15	65	52	8	0	0	0	0	0	0	0	0	196
08:00	15	7	31	89	40	12	0	0	0	0	0	0	0	0	194
09:00	16	6	40	80	41	8	0	0	0	0	0	0	0	0	191
10:00	12	13	40	77	24	1	0	0	0	0	0	0	0	0	167
11:00	15	10	57	94	27	2	0	0	0	0	0	0	0	0	205
12 PM	19	19	66	97	28	5	0	0	0	0	0	0	0	0	234
13:00	20	11	60	102	23	4	0	0	0	0	0	0	0	0	220
14:00	32	16	53	78	25	4	1	0	0	0	0	0	0	0	209
15:00	27	17	65	90	35	3	0	0	0	0	0	0	0	0	237
16:00	21	10	75	97	31	4	0	0	0	0	0	0	0	0	238
17:00	60	14	63	91	35	1	0	0	0	0	0	0	0	0	264
18:00	29	13	68	85	29	2	0	0	0	0	0	0	0	0	226
19:00	24	5	43	78	27	3	1	0	0	0	0	0	0	0	181
20:00	10	10	33	59	17	2	0	0	0	0	0	0	0	0	131
21:00	6	2	19	44	24	3	0	0	0	0	0	0	0	0	98
22:00	2	1	12	38	28	2	1	0	0	0	0	0	0	0	84
23:00	0	1	6	24	15	4	0	0	0	0	0	0	0	0	50
<b>Total</b>	<b>377</b>	<b>162</b>	<b>798</b>	<b>1446</b>	<b>640</b>	<b>99</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3530</b>

Daily  
 15th Percentile : 11 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH  
  
 Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 1968  
 Percent in Pace : 55.8%  
 Number of Vehicles > 30 MPH : 747  
 Percent of Vehicles > 30 MPH : 21.2%

<b>Grand Total</b>	<b>701</b>	<b>328</b>	<b>1551</b>	<b>2812</b>	<b>1290</b>	<b>200</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6894</b>
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Overall  
 15th Percentile : 12 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH  
  
 Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 3853  
 Percent in Pace : 55.9%  
 Number of Vehicles > 30 MPH : 1502  
 Percent of Vehicles > 30 MPH : 21.8%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**NB, 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
09/18/1															
3	0	1	17	30	13	1	1	0	0	0	0	0	0	0	63
01:00	0	4	14	15	7	2	0	0	0	0	0	0	0	0	42
02:00	0	0	6	19	10	2	0	1	0	0	0	0	0	0	38
03:00	0	0	3	11	12	3	0	0	0	0	0	0	0	0	29
04:00	0	2	5	21	23	8	0	0	0	0	0	0	0	0	59
05:00	3	1	13	68	59	15	1	0	0	0	0	0	0	0	160
06:00	30	8	50	106	59	12	1	0	0	0	0	0	0	0	266
07:00	92	21	60	118	88	11	0	0	0	0	0	0	0	0	390
08:00	32	17	72	129	103	19	0	0	0	0	0	0	0	0	372
09:00	52	26	95	134	62	8	1	1	0	0	0	0	0	0	379
10:00	28	23	100	161	69	5	0	0	0	0	0	0	0	0	386
11:00	34	26	121	184	47	10	0	0	0	0	0	0	0	0	422
12 PM	22	26	130	177	57	9	1	1	0	1	0	0	0	0	424
13:00	32	38	155	192	64	8	0	0	0	0	0	0	0	0	489
14:00	40	47	132	166	49	7	1	0	0	0	0	0	0	0	442
15:00	39	49	174	221	52	5	0	0	0	0	0	0	0	0	540
16:00	81	64	172	237	74	16	0	0	0	0	0	0	0	0	644
17:00	32	35	167	227	82	8	0	0	0	0	0	0	0	0	551
18:00	33	31	152	201	54	7	1	0	0	0	0	0	0	0	479
19:00	10	28	148	174	59	6	0	0	0	0	0	0	0	0	425
20:00	10	6	105	160	36	0	0	0	0	0	0	0	0	0	317
21:00	6	8	63	127	39	1	0	0	0	0	0	0	0	0	244
22:00	0	11	55	73	32	3	0	0	0	0	0	0	0	0	174
23:00	2	6	23	64	27	5	0	0	0	0	0	0	0	0	127
<b>Total</b>	<b>578</b>	<b>478</b>	<b>2032</b>	<b>3015</b>	<b>1177</b>	<b>171</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7462</b>

Daily

15th Percentile :	14 MPH
50th Percentile :	25 MPH
85th Percentile :	30 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	4333
Percent in Pace :	58.1%
Number of Vehicles > 30 MPH :	1359
Percent of Vehicles > 30 MPH :	18.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**NB, 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
09/19/1															
3	0	6	27	24	19	3	1	0	0	0	0	0	0	0	80
01:00	0	3	12	20	8	3	0	0	0	0	0	0	0	0	46
02:00	1	1	9	17	13	3	1	0	0	0	0	0	0	0	45
03:00	0	0	5	8	9	6	1	0	0	0	0	0	0	0	29
04:00	0	1	7	21	26	5	0	1	0	0	0	0	0	0	61
05:00	3	2	23	67	61	14	1	0	0	0	0	0	0	0	171
06:00	23	7	39	102	61	9	0	0	0	0	0	0	0	0	241
07:00	86	11	36	112	77	11	2	0	0	0	0	0	0	0	335
08:00	26	19	80	163	73	15	0	0	0	0	0	0	0	0	376
09:00	30	23	80	153	65	12	0	0	0	0	0	0	0	0	363
10:00	19	21	106	171	56	3	1	0	0	0	0	0	0	0	377
11:00	25	27	147	183	62	3	0	0	0	0	0	0	0	0	447
12 PM	36	42	169	185	60	10	1	0	0	0	0	0	0	0	503
13:00	32	17	139	211	60	8	1	0	0	0	0	0	0	0	468
14:00	94	42	146	161	49	7	2	0	0	0	0	0	0	0	501
15:00	48	50	195	238	68	4	0	0	0	0	0	0	0	0	603
16:00	39	36	208	244	77	7	0	0	0	0	0	0	0	0	611
17:00	99	58	198	202	69	4	1	0	0	0	0	0	0	0	631
18:00	45	36	178	219	54	5	0	1	0	0	0	0	0	0	538
19:00	63	24	123	174	48	4	1	0	0	0	0	0	0	0	437
20:00	28	36	124	151	44	5	0	0	0	0	0	0	0	0	388
21:00	10	9	62	120	51	7	0	0	0	0	0	0	0	0	259
22:00	4	9	51	90	57	5	1	0	0	0	0	0	0	0	217
23:00	0	1	40	61	36	7	0	1	0	0	0	0	0	0	146
<b>Total</b>	<b>711</b>	<b>481</b>	<b>2204</b>	<b>3097</b>	<b>1203</b>	<b>160</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7873</b>

Daily

15th Percentile : 13 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 4494  
 Percent in Pace : 57.1%  
 Number of Vehicles > 30 MPH : 1380  
 Percent of Vehicles > 30 MPH : 17.5%

<b>Grand Total</b>	<b>1289</b>	<b>959</b>	<b>4236</b>	<b>6112</b>	<b>2380</b>	<b>331</b>	<b>21</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15335</b>
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Overall

15th Percentile : 13 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 8827  
 Percent in Pace : 57.6%  
 Number of Vehicles > 30 MPH : 2739  
 Percent of Vehicles > 30 MPH : 17.9%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

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	Truck Total
09/18/1															
3	0	39	4	0	0	0	0	0	0	0	0	0	0	43	0
01:00	0	28	2	0	0	0	0	0	0	0	0	0	0	30	0
02:00	0	18	1	0	0	0	0	0	0	0	0	0	0	19	0
03:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
04:00	0	14	4	0	1	0	0	0	1	0	0	0	0	20	2
05:00	0	27	3	0	0	0	0	0	0	0	0	0	0	30	0
06:00	2	74	8	2	2	0	0	0	1	0	0	0	0	89	5
07:00	11	121	28	1	6	1	0	0	2	0	0	0	0	170	10
08:00	2	161	23	1	6	0	0	0	1	1	0	0	0	195	9
09:00	6	155	40	2	9	1	0	0	1	0	0	0	0	214	13
10:00	2	145	29	2	3	2	0	0	0	0	0	0	0	183	7
11:00	2	165	36	1	6	0	0	0	0	0	0	0	0	210	7
12 PM	0	173	34	0	3	0	0	1	1	0	0	0	0	212	5
13:00	3	229	31	1	5	3	0	0	1	0	0	0	0	273	10
14:00	3	195	40	2	4	1	0	0	1	0	0	0	0	246	8
15:00	3	240	51	2	8	3	0	0	0	0	0	0	0	307	13
16:00	5	351	45	2	9	2	0	3	1	0	0	0	0	418	17
17:00	1	284	45	1	5	2	0	0	1	0	0	0	0	339	9
18:00	4	234	33	0	3	1	0	0	0	0	0	0	0	275	4
19:00	2	228	27	0	2	0	0	0	0	0	0	0	0	259	2
20:00	1	173	18	1	1	0	0	0	0	0	0	0	0	194	2
21:00	2	133	15	0	0	0	0	0	0	0	0	0	0	150	0
22:00	0	105	12	0	0	0	0	0	0	0	0	0	0	117	0
23:00	0	75	4	0	1	0	0	0	0	0	0	0	0	80	1
Total	49	3379	535	18	74	16	0	4	11	1	0	0	0	4087	124
Percent	1.2%	82.7%	13.1%	0.4%	1.8%	0.4%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%		3.0%
AM Peak	07:00	11:00	09:00	06:00	09:00	10:00			07:00	08:00				09:00	09:00
Vol.	11	165	40	2	9	2			2	1				214	13
PM Peak	16:00	16:00	15:00	14:00	16:00	13:00		16:00	12:00					16:00	16:00
Vol.	5	351	51	2	9	3		3	1					418	17



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

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	Truck Total
09/19/1															
3	0	46	5	0	0	0	0	0	0	0	0	0	0	51	0
01:00	0	17	6	0	0	1	0	0	0	0	0	0	0	24	1
02:00	0	25	3	0	0	0	0	0	1	0	0	0	0	29	1
03:00	0	11	2	0	1	0	0	0	0	0	0	0	0	14	1
04:00	0	15	4	0	0	0	0	0	0	0	0	0	0	19	0
05:00	0	34	3	0	0	0	0	0	0	0	0	0	0	37	0
06:00	5	68	15	0	4	0	0	1	1	0	0	0	0	94	6
07:00	12	99	17	1	4	3	0	0	1	0	0	0	0	137	9
08:00	1	153	18	1	8	0	0	0	0	0	0	0	0	181	9
09:00	1	136	28	0	4	2	0	0	1	0	0	0	0	172	7
10:00	0	168	33	0	6	3	0	0	0	0	0	0	0	210	9
11:00	2	193	39	0	6	1	0	1	0	0	0	0	0	242	8
12 PM	3	216	38	1	6	1	0	1	2	0	0	0	0	268	11
13:00	2	204	36	0	4	1	0	0	0	0	0	0	0	247	5
14:00	4	233	45	1	4	1	0	1	1	0	0	0	0	290	8
15:00	5	291	55	2	5	5	0	1	1	0	0	0	0	365	14
16:00	7	313	44	0	6	0	0	1	0	1	0	0	0	372	8
17:00	9	304	43	3	6	1	0	0	0	0	0	0	0	366	10
18:00	2	260	41	1	4	2	0	0	1	0	0	0	0	311	8
19:00	13	207	30	0	5	0	0	0	0	0	0	0	0	255	5
20:00	4	211	34	0	3	1	0	4	0	0	0	0	0	257	8
21:00	1	138	17	0	4	0	0	0	0	0	0	0	0	160	4
22:00	1	119	11	0	1	1	0	0	0	0	0	0	0	133	2
23:00	0	84	11	0	1	0	0	0	0	0	0	0	0	96	1
Total	72	3545	578	10	82	23	0	10	9	1	0	0	0	4330	135
Percent	1.7%	81.9%	13.3%	0.2%	1.9%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.1%
AM Peak	07:00	11:00	11:00	07:00	08:00	07:00		06:00	02:00					11:00	07:00
Vol.	12	193	39	1	8	3		1	1					242	9
PM Peak	19:00	16:00	15:00	17:00	12:00	15:00		20:00	12:00	16:00				16:00	15:00
Vol.	13	313	55	3	6	5		4	2	1				372	14
Grand Total	121	6924	1113	28	156	39	0	14	20	2	0	0	0	8417	259
Percent	1.4%	82.3%	13.2%	0.3%	1.9%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

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	Truck Total
09/18/1															
3	0	20	0	0	0	0	0	0	0	0	0	0	0	20	0
01:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0
02:00	0	17	1	0	1	0	0	0	0	0	0	0	0	19	1
03:00	0	11	3	0	1	0	0	0	0	0	0	0	0	15	1
04:00	0	31	4	0	2	1	0	0	1	0	0	0	0	39	4
05:00	0	111	15	2	1	0	0	1	0	0	0	0	0	130	4
06:00	0	144	23	3	5	0	0	2	0	0	0	0	0	177	10
07:00	2	185	21	0	6	2	0	0	0	0	0	0	0	216	8
08:00	0	139	29	3	5	1	0	0	0	0	0	0	0	177	9
09:00	2	130	26	1	4	1	0	0	0	0	0	0	0	164	6
10:00	0	160	29	1	9	0	0	2	1	0	0	0	0	202	13
11:00	1	162	34	5	5	2	0	2	0	0	0	0	0	211	14
12 PM	3	162	33	2	7	1	0	1	2	0	0	0	0	211	13
13:00	3	176	25	6	4	0	0	0	1	0	0	0	0	215	11
14:00	3	160	26	1	4	1	0	0	0	0	0	0	0	195	6
15:00	2	188	28	2	5	1	0	2	0	0	0	0	0	228	10
16:00	2	188	27	0	6	1	0	0	0	0	0	0	0	224	7
17:00	3	178	21	2	3	1	0	0	0	0	0	0	0	208	6
18:00	2	160	36	0	5	0	0	0	0	0	0	0	0	203	5
19:00	2	140	17	0	6	0	0	0	1	0	0	0	0	166	7
20:00	0	105	15	0	0	0	0	1	0	0	0	0	0	121	1
21:00	0	80	13	0	1	0	0	0	0	0	0	0	0	94	1
22:00	0	51	6	0	0	0	0	0	0	0	0	0	0	57	0
23:00	0	43	4	0	0	0	0	0	0	0	0	0	0	47	0
Total	25	2751	438	28	80	12	0	11	6	0	0	0	0	3351	137
Percent	0.7%	82.1%	13.1%	0.8%	2.4%	0.4%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		4.1%
AM Peak	07:00	07:00	11:00	11:00	10:00	07:00		06:00	04:00					07:00	11:00
Vol.	2	185	34	5	9	2		2	1					216	14
PM Peak	12:00	15:00	18:00	13:00	12:00	12:00		15:00	12:00					15:00	12:00
Vol.	3	188	36	6	7	1		2	2					228	13

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

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	Truck Total
09/19/1															
3	0	27	0	0	2	0	0	0	0	0	0	0	0	29	2
01:00	0	16	5	0	1	0	0	0	0	0	0	0	0	22	1
02:00	0	15	0	0	1	0	0	0	0	0	0	0	0	16	1
03:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15	0
04:00	0	37	4	0	0	0	0	0	1	0	0	0	0	42	1
05:00	1	105	21	2	4	1	0	0	0	0	0	0	0	134	7
06:00	0	110	25	2	9	1	0	0	0	0	0	0	0	147	12
07:00	2	160	27	0	2	3	0	0	0	0	0	0	0	194	5
08:00	0	157	27	3	4	1	0	0	0	0	0	0	0	192	8
09:00	0	163	22	0	1	1	0	0	1	0	0	0	1	189	4
10:00	0	130	28	0	4	3	0	1	1	0	0	0	0	167	9
11:00	2	160	29	0	9	4	0	0	0	0	0	0	0	204	13
12 PM	2	189	34	0	7	1	0	0	1	0	0	0	0	234	9
13:00	1	179	23	8	6	1	0	1	0	0	0	0	0	219	16
14:00	4	178	17	0	3	4	0	0	1	0	0	0	0	207	8
15:00	0	195	34	1	5	1	0	0	0	0	0	0	0	236	7
16:00	4	202	25	1	3	1	0	1	1	0	0	0	0	238	7
17:00	4	218	33	1	3	0	1	0	0	0	0	0	0	260	5
18:00	2	187	25	0	7	2	0	0	1	0	0	0	0	224	10
19:00	0	156	22	0	0	0	0	0	1	0	0	0	0	179	1
20:00	3	115	13	0	0	0	0	0	0	0	0	0	0	131	0
21:00	0	85	9	0	2	1	0	0	0	0	0	0	0	97	3
22:00	1	78	3	0	2	0	0	0	0	0	0	0	0	84	2
23:00	0	45	5	0	0	0	0	0	0	0	0	0	0	50	0
<b>Total</b>	<b>26</b>	<b>2920</b>	<b>433</b>	<b>18</b>	<b>75</b>	<b>25</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3510</b>	<b>131</b>
<b>Percent</b>	<b>0.7%</b>	<b>83.2%</b>	<b>12.3%</b>	<b>0.5%</b>	<b>2.1%</b>	<b>0.7%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.7%</b>
<b>AM Peak</b>	07:00	09:00	11:00	08:00	06:00	11:00		10:00	04:00				09:00	11:00	11:00
<b>Vol.</b>	2	163	29	3	9	4		1	1				1	204	13
<b>PM Peak</b>	14:00	17:00	12:00	13:00	12:00	14:00	17:00	13:00	12:00					17:00	13:00
<b>Vol.</b>	4	218	34	8	7	4	1	1	1					260	16
<b>Grand Total</b>	<b>51</b>	<b>5671</b>	<b>871</b>	<b>46</b>	<b>155</b>	<b>37</b>	<b>1</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6861</b>	<b>268</b>
<b>Percent</b>	<b>0.7%</b>	<b>82.7%</b>	<b>12.7%</b>	<b>0.7%</b>	<b>2.3%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.9%</b>

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**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	Truck Total
09/18/1															
3	0	59	4	0	0	0	0	0	0	0	0	0	0	63	0
01:00	0	38	4	0	0	0	0	0	0	0	0	0	0	42	0
02:00	0	35	2	0	1	0	0	0	0	0	0	0	0	38	1
03:00	0	23	5	0	1	0	0	0	0	0	0	0	0	29	1
04:00	0	45	8	0	3	1	0	0	2	0	0	0	0	59	6
05:00	0	138	18	2	1	0	0	1	0	0	0	0	0	160	4
06:00	2	218	31	5	7	0	0	2	1	0	0	0	0	266	15
07:00	13	306	49	1	12	3	0	0	2	0	0	0	0	386	18
08:00	2	300	52	4	11	1	0	0	1	1	0	0	0	372	18
09:00	8	285	66	3	13	2	0	0	1	0	0	0	0	378	19
10:00	2	305	58	3	12	2	0	2	1	0	0	0	0	385	20
11:00	3	327	70	6	11	2	0	2	0	0	0	0	0	421	21
12 PM	3	335	67	2	10	1	0	2	3	0	0	0	0	423	18
13:00	6	405	56	7	9	3	0	0	2	0	0	0	0	488	21
14:00	6	355	66	3	8	2	0	0	1	0	0	0	0	441	14
15:00	5	428	79	4	13	4	0	2	0	0	0	0	0	535	23
16:00	7	539	72	2	15	3	0	3	1	0	0	0	0	642	24
17:00	4	462	66	3	8	3	0	0	1	0	0	0	0	547	15
18:00	6	394	69	0	8	1	0	0	0	0	0	0	0	478	9
19:00	4	368	44	0	8	0	0	0	1	0	0	0	0	425	9
20:00	1	278	33	1	1	0	0	1	0	0	0	0	0	315	3
21:00	2	213	28	0	1	0	0	0	0	0	0	0	0	244	1
22:00	0	156	18	0	0	0	0	0	0	0	0	0	0	174	0
23:00	0	118	8	0	1	0	0	0	0	0	0	0	0	127	1
Total	74	6130	973	46	154	28	0	15	17	1	0	0	0	7438	261
Percent	1.0%	82.4%	13.1%	0.6%	2.1%	0.4%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.5%
AM Peak Vol.	07:00	11:00	11:00	11:00	09:00	07:00		06:00	04:00	08:00				11:00	11:00
PM Peak Vol.	16:00	16:00	15:00	13:00	16:00	15:00		16:00	12:00					16:00	16:00
	7	539	79	7	15	4		3	3					642	24

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19644  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, south of Forest Ave

**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	Truck Total
09/19/1															
3	0	73	5	0	2	0	0	0	0	0	0	0	0	80	2
01:00	0	33	11	0	1	1	0	0	0	0	0	0	0	46	2
02:00	0	40	3	0	1	0	0	0	1	0	0	0	0	45	2
03:00	0	24	4	0	1	0	0	0	0	0	0	0	0	29	1
04:00	0	52	8	0	0	0	0	0	1	0	0	0	0	61	1
05:00	1	139	24	2	4	1	0	0	0	0	0	0	0	171	7
06:00	5	178	40	2	13	1	0	1	1	0	0	0	0	241	18
07:00	14	259	44	1	6	6	0	0	1	0	0	0	0	331	14
08:00	1	310	45	4	12	1	0	0	0	0	0	0	0	373	17
09:00	1	299	50	0	5	3	0	0	2	0	0	0	1	361	11
10:00	0	298	61	0	10	6	0	1	1	0	0	0	0	377	18
11:00	4	353	68	0	15	5	0	1	0	0	0	0	0	446	21
12 PM	5	405	72	1	13	2	0	1	3	0	0	0	0	502	20
13:00	3	383	59	8	10	2	0	1	0	0	0	0	0	466	21
14:00	8	411	62	1	7	5	0	1	2	0	0	0	0	497	16
15:00	5	486	89	3	10	6	0	1	1	0	0	0	0	601	21
16:00	11	515	69	1	9	1	0	2	1	1	0	0	0	610	15
17:00	13	522	76	4	9	1	1	0	0	0	0	0	0	626	15
18:00	4	447	66	1	11	4	0	0	2	0	0	0	0	535	18
19:00	13	363	52	0	5	0	0	0	1	0	0	0	0	434	6
20:00	7	326	47	0	3	1	0	4	0	0	0	0	0	388	8
21:00	1	223	26	0	6	1	0	0	0	0	0	0	0	257	7
22:00	2	197	14	0	3	1	0	0	0	0	0	0	0	217	4
23:00	0	129	16	0	1	0	0	0	0	0	0	0	0	146	1
<b>Total</b>	98	6465	1011	28	157	48	1	13	17	1	0	0	1	7840	266
<b>Percent</b>	1.3%	82.5%	12.9%	0.4%	2.0%	0.6%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.4%
<b>AM Peak</b>	07:00	11:00	11:00	08:00	11:00	07:00		06:00	09:00				09:00	11:00	11:00
<b>Vol.</b>	14	353	68	4	15	6		1	2				1	446	21
<b>PM Peak</b>	17:00	17:00	15:00	13:00	12:00	15:00	17:00	20:00	12:00	16:00				17:00	13:00
<b>Vol.</b>	13	522	89	8	13	6	1	4	3	1				626	21
<b>Grand Total</b>	172	12595	1984	74	311	76	1	28	34	2	0	0	1	15278	527
<b>Percent</b>	1.1%	82.4%	13.0%	0.5%	2.0%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.4%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

Start Time	16-Sep-13		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	*	*	*	*	10	46	8	48	*	*	*	*	*	*	9	47
01:00	*	*	*	*	7	34	9	26	*	*	*	*	*	*	8	30
02:00	*	*	*	*	8	8	4	7	*	*	*	*	*	*	6	8
03:00	*	*	*	*	13	6	20	13	*	*	*	*	*	*	16	10
04:00	*	*	*	*	41	10	34	9	*	*	*	*	*	*	38	10
05:00	*	*	*	*	147	31	148	26	*	*	*	*	*	*	148	28
06:00	*	*	*	*	187	165	192	144	*	*	*	*	*	*	190	154
07:00	*	*	*	*	<b>269</b>	199	<b>254</b>	177	*	*	*	*	*	*	<b>262</b>	188
08:00	*	*	*	*	221	163	235	160	*	*	*	*	*	*	228	162
09:00	*	*	*	*	258	161	211	176	*	*	*	*	*	*	234	168
10:00	*	*	*	*	206	192	216	189	*	*	*	*	*	*	211	190
11:00	*	*	*	*	198	<b>212</b>	224	<b>234</b>	*	*	*	*	*	*	211	<b>223</b>
12:00 PM	*	*	*	*	204	236	221	231	*	*	*	*	*	*	212	234
01:00	*	*	*	*	201	245	222	218	*	*	*	*	*	*	212	232
02:00	*	*	*	*	<b>286</b>	215	<b>269</b>	241	*	*	*	*	*	*	<b>278</b>	228
03:00	*	*	*	*	276	299	255	275	*	*	*	*	*	*	266	287
04:00	*	*	*	*	222	<b>302</b>	240	299	*	*	*	*	*	*	231	300
05:00	*	*	*	*	235	290	249	<b>329</b>	*	*	*	*	*	*	242	<b>310</b>
06:00	*	*	*	*	223	272	254	296	*	*	*	*	*	*	238	284
07:00	*	*	*	*	174	278	227	278	*	*	*	*	*	*	200	278
08:00	*	*	*	*	117	217	170	216	*	*	*	*	*	*	144	216
09:00	*	*	*	*	80	164	69	164	*	*	*	*	*	*	74	164
10:00	*	*	*	*	42	124	56	122	*	*	*	*	*	*	49	123
11:00	*	*	*	*	24	87	46	98	*	*	*	*	*	*	35	92
Total Day	0	0	0	0	3649	3956	3833	3976	0	0	0	0	0	0	3742	3966
AM Peak	-	-	-	-	07:00	11:00	07:00	11:00	-	-	-	-	-	-	07:00	11:00
Vol.	-	-	-	-	269	212	254	234	-	-	-	-	-	-	262	223
PM Peak	-	-	-	-	14:00	16:00	14:00	17:00	-	-	-	-	-	-	14:00	17:00
Vol.	-	-	-	-	286	302	269	329	-	-	-	-	-	-	278	310

Comb. Total                      0                      0                      7605                      7809                      0                      0                      0                      7708

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

Start Time	18-Sep-13		NB		SB		Combined		19-Sep	NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		Thu	A.M.	P.M.	A.M.	P.M.	A.M.
12:00			4	55	15	54	19	109		2	58	10	49	12	107
12:15			4	43	9	49	13	92		3	54	16	74	19	128
12:30			1	58	8	69	9	127		2	60	17	52	19	112
12:45			1	48	14	64	15	112		1	49	5	56	6	105
01:00			4	53	13	71	17	124		5	56	6	54	11	110
01:15			1	43	9	58	10	101		0	61	7	53	7	114
01:30			0	51	8	56	8	107		1	53	9	51	10	104
01:45			2	54	4	60	6	114		3	52	4	60	7	112
02:00			5	<b>89</b>	5	51	10	140		0	<b>78</b>	2	59	2	137
02:15			0	<b>58</b>	1	41	1	99		3	<b>73</b>	3	48	6	121
02:30			0	<b>75</b>	2	60	2	135		0	<b>64</b>	0	62	0	126
02:45			3	<b>64</b>	0	63	3	127		1	<b>54</b>	2	72	3	126
03:00			0	69	2	66	2	<b>135</b>		5	57	3	58	8	115
03:15			5	72	1	<b>81</b>	6	<b>153</b>		3	47	3	77	6	124
03:30			3	67	2	<b>79</b>	5	<b>146</b>		5	80	6	62	11	142
03:45			5	68	1	<b>73</b>	6	<b>141</b>		7	71	1	78	8	149
04:00			6	44	4	<b>83</b>	10	127		6	55	1	82	7	137
04:15			8	53	1	79	9	132		7	59	2	67	9	126
04:30			9	67	3	70	12	137		12	59	2	75	14	134
04:45			18	58	2	70	20	128		9	67	4	75	13	142
05:00			22	53	4	73	26	126		27	67	1	63	28	<b>130</b>
05:15			30	63	7	76	37	139		34	71	5	76	39	<b>147</b>
05:30			40	71	11	77	51	148		37	52	11	<b>100</b>	48	<b>152</b>
05:45			55	48	9	64	64	112		50	59	9	<b>90</b>	59	<b>149</b>
06:00			52	54	10	63	62	117		43	57	14	<b>58</b>	57	115
06:15			40	61	20	77	60	138		56	65	13	<b>83</b>	69	148
06:30			40	57	<b>43</b>	74	<b>83</b>	131		40	68	36	87	76	155
06:45			55	51	<b>92</b>	58	<b>147</b>	109		53	64	81	68	<b>134</b>	132
07:00			<b>93</b>	51	<b>79</b>	70	<b>172</b>	121		<b>69</b>	56	93	74	<b>162</b>	130
07:15			<b>64</b>	46	<b>42</b>	70	<b>106</b>	116		<b>75</b>	58	17	78	<b>92</b>	136
07:30			<b>50</b>	38	33	69	83	107		<b>51</b>	58	31	58	<b>82</b>	116
07:45			<b>62</b>	39	45	69	107	108		<b>59</b>	55	36	68	95	123
08:00			52	36	38	66	90	102		68	63	33	66	101	129
08:15			62	35	36	61	98	96		60	58	46	48	106	106
08:30			54	21	43	44	97	65		49	36	42	49	91	85
08:45			53	25	46	46	99	71		58	13	39	53	97	66
09:00			64	18	45	41	109	59		54	18	44	43	98	61
09:15			68	13	47	50	115	63		38	18	34	38	72	56
09:30			55	32	35	37	90	69		63	20	48	36	111	56
09:45			71	17	34	36	105	53		56	13	50	47	106	60
10:00			47	11	38	36	85	47		66	13	41	33	107	46
10:15			62	11	38	29	100	40		46	16	57	31	103	47
10:30			48	16	56	25	104	41		49	14	46	30	95	44
10:45			49	4	60	34	109	38		55	13	45	28	100	41
11:00			47	6	46	20	93	26		62	21	<b>59</b>	30	121	51
11:15			53	6	56	26	109	32		51	8	<b>71</b>	18	122	26
11:30			58	7	60	24	118	31		63	11	<b>48</b>	31	111	42
11:45			40	5	50	17	90	22		48	6	<b>56</b>	19	104	25
Total			1565	2084	1227	2729	2792	4813		1555	2278	1209	2767	2764	5045
Day Total			3649		3956		7605			3833		3976		7809	
% Total			20.6%	27.4%	16.1%	35.9%				19.9%	29.2%	15.5%	35.4%		
Peak	-		07:00	02:00	06:30	03:15	06:30	03:00	-	07:00	02:00	11:00	05:30	06:45	05:00
Vol.	-		269	286	256	316	508	575	-	254	269	234	331	470	578
P.H.F.			0.723	0.803	0.696	0.952	0.738	0.940		0.847	0.862	0.629	0.828	0.725	0.951

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	56	56	*	*	*	56
01:00	*	*	41	35	*	*	*	38
02:00	*	*	16	11	*	*	*	14
03:00	*	*	19	33	*	*	*	26
04:00	*	*	51	43	*	*	*	47
05:00	*	*	178	174	*	*	*	176
06:00	*	*	352	336	*	*	*	344
07:00	*	*	<b>468</b>	431	*	*	*	<b>450</b>
08:00	*	*	384	395	*	*	*	390
09:00	*	*	419	387	*	*	*	403
10:00	*	*	398	405	*	*	*	402
11:00	*	*	410	<b>458</b>	*	*	*	434
12:00 PM	*	*	440	452	*	*	*	446
01:00	*	*	446	440	*	*	*	443
02:00	*	*	501	510	*	*	*	506
03:00	*	*	<b>575</b>	530	*	*	*	<b>552</b>
04:00	*	*	524	539	*	*	*	532
05:00	*	*	525	<b>578</b>	*	*	*	552
06:00	*	*	495	550	*	*	*	522
07:00	*	*	452	505	*	*	*	478
08:00	*	*	334	386	*	*	*	360
09:00	*	*	244	233	*	*	*	238
10:00	*	*	166	178	*	*	*	172
11:00	*	*	111	144	*	*	*	128
Total	0	0	7605	7809	0	0	0	7709
Percentage	0.0%	0.0%	98.7%	101.3%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	11:00	-	-	-	07:00
Vol.	-	-	468	458	-	-	-	450
PM Peak	-	-	15:00	17:00	-	-	-	15:00
Vol.	-	-	575	578	-	-	-	552



**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	0	0	3	4	1	1	1	0	0	0	0	0	0	0	10
01:00	0	0	1	1	5	0	0	0	0	0	0	0	0	0	0	7
02:00	2	1	1	4	0	0	0	0	0	0	0	0	0	0	0	8
03:00	0	0	0	2	6	5	0	0	0	0	0	0	0	0	0	13
04:00	0	0	4	10	16	9	2	0	0	0	0	0	0	0	0	41
05:00	4	2	21	45	50	18	7	0	0	0	0	0	0	0	0	147
06:00	2	7	23	70	57	21	6	0	0	1	0	0	0	0	0	187
07:00	15	16	40	88	84	20	5	1	0	0	0	0	0	0	0	269
08:00	4	4	26	78	82	22	5	0	0	0	0	0	0	0	0	221
09:00	3	4	48	105	76	18	4	0	0	0	0	0	0	0	0	258
10:00	7	5	31	88	58	14	2	1	0	0	0	0	0	0	0	206
11:00	5	9	20	82	71	9	1	1	0	0	0	0	0	0	0	198
12 PM	12	7	38	80	57	10	0	0	0	0	0	0	0	0	0	204
13:00	7	7	43	74	55	12	3	0	0	0	0	0	0	0	0	201
14:00	76	33	38	73	52	11	3	0	0	0	0	0	0	0	0	286
15:00	13	16	56	99	73	18	1	0	0	0	0	0	0	0	0	276
16:00	23	11	24	83	70	10	1	0	0	0	0	0	0	0	0	222
17:00	12	16	33	81	58	33	2	0	0	0	0	0	0	0	0	235
18:00	6	11	43	96	52	11	3	1	43	0	0	0	0	0	0	223
19:00	6	7	29	72	48	12	0	0	0	0	0	0	0	0	0	174
20:00	6	6	13	50	36	6	0	0	0	0	0	0	0	0	0	117
21:00	3	0	8	36	24	8	1	0	0	0	0	0	0	0	0	80
22:00	0	1	6	8	24	2	0	1	0	0	0	0	0	0	0	42
23:00	0	1	3	6	9	5	0	0	0	0	0	0	0	0	0	24
<b>Total</b>	<b>206</b>	<b>164</b>	<b>549</b>	<b>1334</b>	<b>1067</b>	<b>275</b>	<b>47</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3649</b>

Daily

15th Percentile :	18 MPH
50th Percentile :	27 MPH
85th Percentile :	33 MPH
95th Percentile :	37 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	2093
Percent in Pace :	57.4%
Number of Vehicles > 30 MPH :	1396
Percent of Vehicles > 30 MPH :	38.3%

**Old Colony Planning Council**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**NB**

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
09/19/13	1	0	2	1	4	0	0	0	0	0	0	0	0	0	8
01:00	0	0	1	3	4	1	0	0	0	0	0	0	0	0	9
02:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
03:00	1	0	1	8	7	2	1	0	0	0	0	0	0	0	20
04:00	0	0	1	10	9	11	3	0	0	0	0	0	0	0	34
05:00	0	2	20	45	48	29	4	0	0	0	0	0	0	0	148
06:00	7	5	28	73	61	15	2	1	0	0	0	0	0	0	192
07:00	31	18	34	91	62	17	1	0	0	0	0	0	0	0	254
08:00	4	2	20	94	73	40	2	0	0	0	0	0	0	0	235
09:00	6	9	26	81	68	18	3	0	0	0	0	0	0	0	211
10:00	9	3	31	97	59	16	1	0	0	0	0	0	0	0	216
11:00	7	8	53	87	56	12	0	1	0	0	0	0	0	0	224
12 PM	6	15	29	99	58	14	0	0	0	0	0	0	0	0	221
13:00	8	5	43	86	61	16	3	0	0	0	0	0	0	0	222
14:00	70	25	42	71	45	15	1	0	0	0	0	0	0	0	269
15:00	16	14	37	104	66	15	2	0	1	0	0	0	0	0	255
16:00	10	8	41	90	76	14	1	0	0	0	0	0	0	0	240
17:00	23	11	32	93	72	16	2	0	0	0	0	0	0	0	249
18:00	28	10	44	105	57	9	1	0	4	0	0	0	0	0	254
19:00	8	15	59	86	52	7	0	0	0	0	0	0	0	0	227
20:00	7	9	43	61	41	9	0	0	0	0	0	0	0	0	170
21:00	3	0	7	31	21	6	1	0	0	0	0	0	0	0	69
22:00	1	1	8	20	21	4	1	0	0	0	0	0	0	0	56
23:00	2	0	2	21	15	6	0	0	0	0	0	0	0	0	46
<b>Total</b>	<b>248</b>	<b>160</b>	<b>604</b>	<b>1459</b>	<b>1038</b>	<b>292</b>	<b>29</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3833</b>

Daily  
 15th Percentile : 17 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 2187  
 Percent in Pace : 57.1%  
 Number of Vehicles > 30 MPH : 1362  
 Percent of Vehicles > 30 MPH : 35.5%

<b>Grand Total</b>	<b>454</b>	<b>324</b>	<b>1153</b>	<b>2793</b>	<b>2105</b>	<b>567</b>	<b>76</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7482</b>
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Overall  
 15th Percentile : 18 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 4280  
 Percent in Pace : 57.2%  
 Number of Vehicles > 30 MPH : 2758  
 Percent of Vehicles > 30 MPH : 36.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**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
09/18/1															
3	0	2	4	21	14	5	0	0	0	0	0	0	0	0	46
01:00	0	4	2	6	15	5	2	0	0	0	0	0	0	0	34
02:00	0	0	0	2	5	1	0	0	0	0	0	0	0	0	8
03:00	0	0	1	2	3	0	0	0	0	0	0	0	0	0	6
04:00	0	0	2	3	4	1	0	0	0	0	0	0	0	0	10
05:00	0	0	1	15	12	2	0	1	0	0	0	0	0	0	31
06:00	4	5	34	81	30	11	0	0	0	0	0	0	0	0	165
07:00	8	5	39	85	54	8	0	0	0	0	0	0	0	0	199
08:00	1	2	29	60	54	15	2	0	0	0	0	0	0	0	163
09:00	7	4	35	67	39	8	1	0	0	0	0	0	0	0	161
10:00	4	6	46	83	43	10	0	0	0	0	0	0	0	0	192
11:00	6	7	54	93	45	7	0	0	0	0	0	0	0	0	212
12 PM	12	22	52	100	39	11	0	0	0	0	0	0	0	0	236
13:00	12	17	55	107	44	10	0	0	0	0	0	0	0	0	245
14:00	16	16	40	94	43	6	0	0	0	0	0	0	0	0	215
15:00	40	26	80	107	39	7	0	0	0	0	0	0	0	0	299
16:00	26	40	115	93	24	4	0	0	0	0	0	0	0	0	302
17:00	29	25	84	101	41	9	1	0	0	0	0	0	0	0	290
18:00	19	34	107	89	20	2	1	0	0	0	0	0	0	0	272
19:00	8	37	80	125	26	2	0	0	0	0	0	0	0	0	278
20:00	10	17	44	105	36	3	2	0	0	0	0	0	0	0	217
21:00	2	4	33	78	39	4	4	0	0	0	0	0	0	0	164
22:00	0	4	22	57	36	5	0	0	0	0	0	0	0	0	124
23:00	1	5	12	43	19	6	1	0	0	0	0	0	0	0	87
<b>Total</b>	<b>205</b>	<b>282</b>	<b>971</b>	<b>1617</b>	<b>724</b>	<b>142</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3956</b>

Daily

15th Percentile :	17 MPH
50th Percentile :	26 MPH
85th Percentile :	31 MPH
95th Percentile :	35 MPH

Mean Speed(Average) :	25 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	2311
Percent in Pace :	58.4%
Number of Vehicles > 30 MPH :	881
Percent of Vehicles > 30 MPH :	22.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**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
09/19/1															
3	1	5	3	19	17	3	0	0	0	0	0	0	0	0	48
01:00	0	3	0	8	9	6	0	0	0	0	0	0	0	0	26
02:00	0	0	0	3	4	0	0	0	0	0	0	0	0	0	7
03:00	0	1	0	6	6	0	0	0	0	0	0	0	0	0	13
04:00	0	0	1	4	2	1	1	0	0	0	0	0	0	0	9
05:00	0	0	0	17	5	3	1	0	0	0	0	0	0	0	26
06:00	3	7	29	70	30	5	0	0	0	0	0	0	0	0	144
07:00	14	9	38	58	54	4	0	0	0	0	0	0	0	0	177
08:00	7	2	24	68	49	9	1	0	0	0	0	0	0	0	160
09:00	5	1	31	75	59	4	1	0	0	0	0	0	0	0	176
10:00	10	7	44	75	49	4	0	0	0	0	0	0	0	0	189
11:00	15	14	61	97	40	7	0	0	0	0	0	0	0	0	234
12 PM	10	23	48	92	48	7	3	0	0	0	0	0	0	0	231
13:00	10	15	51	89	51	2	0	0	0	0	0	0	0	0	218
14:00	36	12	65	81	43	4	0	0	0	0	0	0	0	0	241
15:00	20	33	63	109	47	3	0	0	0	0	0	0	0	0	275
16:00	15	26	106	113	29	6	3	1	0	0	0	0	0	0	299
17:00	63	30	98	106	30	2	0	0	0	0	0	0	0	0	329
18:00	65	12	75	111	30	3	0	0	0	0	0	0	0	0	296
19:00	11	32	85	111	33	6	0	0	0	0	0	0	0	0	278
20:00	4	12	62	94	41	2	1	0	0	0	0	0	0	0	216
21:00	7	6	36	81	29	4	1	0	0	0	0	0	0	0	164
22:00	3	4	14	53	46	2	0	0	0	0	0	0	0	0	122
23:00	4	8	7	49	23	6	1	0	0	0	0	0	0	0	98
<b>Total</b>	<b>303</b>	<b>262</b>	<b>941</b>	<b>1589</b>	<b>774</b>	<b>93</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3976</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 2252  
 Percent in Pace : 56.6%  
 Number of Vehicles > 30 MPH : 881  
 Percent of Vehicles > 30 MPH : 22.2%

<b>Grand Total</b>	<b>508</b>	<b>544</b>	<b>1912</b>	<b>3206</b>	<b>1498</b>	<b>235</b>	<b>27</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7932</b>
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Overall

15th Percentile : 15 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 4562  
 Percent in Pace : 57.5%  
 Number of Vehicles > 30 MPH : 1762  
 Percent of Vehicles > 30 MPH : 22.2%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**NB, 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
09/18/1															
3	0	2	4	24	18	6	1	1	0	0	0	0	0	0	56
01:00	0	4	3	7	20	5	2	0	0	0	0	0	0	0	41
02:00	2	1	1	6	5	1	0	0	0	0	0	0	0	0	16
03:00	0	0	1	4	9	5	0	0	0	0	0	0	0	0	19
04:00	0	0	6	13	20	10	2	0	0	0	0	0	0	0	51
05:00	4	2	22	60	62	20	7	1	0	0	0	0	0	0	178
06:00	6	12	57	151	87	32	6	0	0	1	0	0	0	0	352
07:00	23	21	79	173	138	28	5	1	0	0	0	0	0	0	468
08:00	5	6	55	138	136	37	7	0	0	0	0	0	0	0	384
09:00	10	8	83	172	115	26	5	0	0	0	0	0	0	0	419
10:00	11	11	77	171	101	24	2	1	0	0	0	0	0	0	398
11:00	11	16	74	175	116	16	1	1	0	0	0	0	0	0	410
12 PM	24	29	90	180	96	21	0	0	0	0	0	0	0	0	440
13:00	19	24	98	181	99	22	3	0	0	0	0	0	0	0	446
14:00	92	49	78	167	95	17	3	0	0	0	0	0	0	0	501
15:00	53	42	136	206	112	25	1	0	0	0	0	0	0	0	575
16:00	49	51	139	176	94	14	1	0	0	0	0	0	0	0	524
17:00	41	41	117	182	99	42	3	0	0	0	0	0	0	0	525
18:00	25	45	150	185	72	13	4	1	0	0	0	0	0	0	495
19:00	14	44	109	197	74	14	0	0	0	0	0	0	0	0	452
20:00	16	23	57	155	72	9	2	0	0	0	0	0	0	0	334
21:00	5	4	41	114	63	12	5	0	0	0	0	0	0	0	244
22:00	0	5	28	65	60	7	0	1	0	0	0	0	0	0	166
23:00	1	6	15	49	28	11	1	0	0	0	0	0	0	0	111
<b>Total</b>	<b>411</b>	<b>446</b>	<b>1520</b>	<b>2951</b>	<b>1791</b>	<b>417</b>	<b>61</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7605</b>

Daily

15th Percentile :	17 MPH
50th Percentile :	26 MPH
85th Percentile :	32 MPH
95th Percentile :	36 MPH
Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	24-33 MPH
Number in Pace :	4320
Percent in Pace :	56.8%
Number of Vehicles > 30 MPH :	2277
Percent of Vehicles > 30 MPH :	29.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**NB, 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
09/19/1	3	2	5	5	20	21	3	0	0	0	0	0	0	0	56
01:00	0	3	1	11	13	7	0	0	0	0	0	0	0	0	35
02:00	0	0	0	5	6	0	0	0	0	0	0	0	0	0	11
03:00	1	1	1	14	13	2	1	0	0	0	0	0	0	0	33
04:00	0	0	2	14	11	12	4	0	0	0	0	0	0	0	43
05:00	0	2	20	62	53	32	5	0	0	0	0	0	0	0	174
06:00	10	12	57	143	91	20	2	1	0	0	0	0	0	0	336
07:00	45	27	72	149	116	21	1	0	0	0	0	0	0	0	431
08:00	11	4	44	162	122	49	3	0	0	0	0	0	0	0	395
09:00	11	10	57	156	127	22	4	0	0	0	0	0	0	0	387
10:00	19	10	75	172	108	20	1	0	0	0	0	0	0	0	405
11:00	22	22	114	184	96	19	0	1	0	0	0	0	0	0	458
12 PM	16	38	77	191	106	21	3	0	0	0	0	0	0	0	452
13:00	18	20	94	175	112	18	3	0	0	0	0	0	0	0	440
14:00	106	37	107	152	88	19	1	0	0	0	0	0	0	0	510
15:00	36	47	100	213	113	18	2	0	1	0	0	0	0	0	530
16:00	25	34	147	203	105	20	4	1	0	0	0	0	0	0	539
17:00	86	41	130	199	102	18	2	0	0	0	0	0	0	0	578
18:00	93	22	119	216	87	12	1	0	0	0	0	0	0	0	550
19:00	19	47	144	197	85	13	0	0	0	0	0	0	0	0	505
20:00	11	21	105	155	82	11	1	0	0	0	0	0	0	0	386
21:00	10	6	43	112	50	10	2	0	0	0	0	0	0	0	233
22:00	4	5	22	73	67	6	1	0	0	0	0	0	0	0	178
23:00	6	8	9	70	38	12	1	0	0	0	0	0	0	0	144
<b>Total</b>	<b>551</b>	<b>422</b>	<b>1545</b>	<b>3048</b>	<b>1812</b>	<b>385</b>	<b>42</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7809</b>

Daily  
 15th Percentile : 15 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 35 MPH  
  
 Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 4387  
 Percent in Pace : 56.2%  
 Number of Vehicles > 30 MPH : 2243  
 Percent of Vehicles > 30 MPH : 28.7%

<b>Grand Total</b>	<b>962</b>	<b>868</b>	<b>3065</b>	<b>5999</b>	<b>3603</b>	<b>802</b>	<b>103</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15414</b>
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Overall  
 15th Percentile : 16 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH  
  
 Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 8707  
 Percent in Pace : 56.5%  
 Number of Vehicles > 30 MPH : 4520  
 Percent of Vehicles > 30 MPH : 29.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

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	Truck Total
09/18/1															
3	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
01:00	0	2	3	0	2	0	0	0	0	0	0	0	0	7	2
02:00	1	5	2	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	8	5	0	0	0	0	0	0	0	0	0	0	13	0
04:00	0	25	14	0	2	0	0	0	0	0	0	0	0	41	2
05:00	0	106	30	1	10	0	0	0	0	0	0	0	0	147	11
06:00	0	122	43	10	10	0	0	2	0	0	0	0	0	187	22
07:00	1	190	57	4	15	1	0	0	0	0	0	0	0	268	20
08:00	2	155	50	1	8	0	0	4	0	0	0	0	0	220	13
09:00	0	185	56	1	11	3	0	1	1	0	0	0	0	258	17
10:00	0	160	36	1	7	0	0	1	0	0	0	0	0	205	9
11:00	3	154	32	1	6	0	0	2	0	0	0	0	0	198	9
12 PM	2	143	40	1	15	0	0	1	0	0	0	0	0	202	17
13:00	1	155	38	0	6	0	0	0	0	0	0	0	0	200	6
14:00	2	208	58	3	9	1	0	5	0	0	0	0	0	286	18
15:00	5	220	42	1	5	2	0	0	0	0	0	0	0	275	8
16:00	1	160	44	0	15	0	0	0	0	0	0	0	0	220	15
17:00	2	169	53	0	10	1	0	0	0	0	0	0	0	235	11
18:00	1	179	38	0	5	0	0	0	0	0	0	0	0	223	5
19:00	2	133	33	0	5	0	0	0	0	0	0	0	0	173	5
20:00	0	95	21	0	1	0	0	0	0	0	0	0	0	117	1
21:00	0	63	16	0	1	0	0	0	0	0	0	0	0	80	1
22:00	0	39	3	0	0	0	0	0	0	0	0	0	0	42	0
23:00	0	18	4	0	2	0	0	0	0	0	0	0	0	24	2
Total	23	2701	721	24	145	8	0	16	1	0	0	0	0	3639	194
Percent	0.6%	74.2%	19.8%	0.7%	4.0%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%		5.3%
AM Peak	11:00	07:00	07:00	06:00	07:00	09:00		08:00	09:00					07:00	06:00
Vol.	3	190	57	10	15	3		4	1					268	22
PM Peak	15:00	15:00	14:00	14:00	12:00	15:00		14:00						14:00	14:00
Vol.	5	220	58	3	15	2		5						286	18

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

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	Truck Total
09/19/1															
3	1	4	2	0	1	0	0	0	0	0	0	0	0	8	1
01:00	1	8	0	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	15	4	0	1	0	0	0	0	0	0	0	0	20	1
04:00	0	21	9	0	4	0	0	0	0	0	0	0	0	34	4
05:00	0	104	32	3	9	0	0	0	0	0	0	0	0	148	12
06:00	1	134	38	7	9	0	0	2	0	0	0	0	0	191	18
07:00	0	192	47	4	7	2	0	1	0	0	0	0	0	253	14
08:00	0	181	40	0	8	2	0	3	0	0	0	0	0	234	13
09:00	0	143	48	1	16	1	0	1	1	0	0	0	0	211	20
10:00	2	153	46	1	12	2	0	0	0	0	0	0	0	216	15
11:00	0	168	45	2	8	0	0	0	1	0	0	0	0	224	11
12 PM	1	162	45	1	11	0	0	0	0	0	0	0	0	220	12
13:00	1	168	42	0	10	1	0	0	0	0	0	0	0	222	11
14:00	1	210	43	4	7	3	0	0	0	0	0	0	0	268	14
15:00	2	198	47	0	7	0	0	0	0	0	0	0	0	254	7
16:00	0	193	41	0	4	0	0	0	1	0	0	0	0	239	5
17:00	3	197	45	0	3	0	0	1	0	0	0	0	0	249	4
18:00	2	197	44	0	10	0	0	1	0	0	0	0	0	254	11
19:00	1	173	48	0	3	0	0	1	0	0	0	0	0	226	4
20:00	2	134	29	0	4	0	0	1	0	0	0	0	0	170	5
21:00	0	55	13	0	1	0	0	0	0	0	0	0	0	69	1
22:00	0	48	8	0	0	0	0	0	0	0	0	0	0	56	0
23:00	0	41	5	0	0	0	0	0	0	0	0	0	0	46	0
<b>Total</b>	<b>18</b>	<b>2902</b>	<b>722</b>	<b>23</b>	<b>135</b>	<b>11</b>	<b>0</b>	<b>11</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3825</b>	<b>183</b>
<b>Percent</b>	<b>0.5%</b>	<b>75.9%</b>	<b>18.9%</b>	<b>0.6%</b>	<b>3.5%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.8%</b>
<b>AM Peak Vol.</b>	<b>2</b>	<b>192</b>	<b>48</b>	<b>7</b>	<b>16</b>	<b>2</b>		<b>3</b>	<b>1</b>					<b>253</b>	<b>20</b>
<b>PM Peak Vol.</b>	<b>3</b>	<b>210</b>	<b>48</b>	<b>4</b>	<b>11</b>	<b>3</b>		<b>1</b>	<b>1</b>					<b>268</b>	<b>14</b>
<b>Grand Total</b>	<b>41</b>	<b>5603</b>	<b>1443</b>	<b>47</b>	<b>280</b>	<b>19</b>	<b>0</b>	<b>27</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7464</b>	<b>377</b>
<b>Percent</b>	<b>0.5%</b>	<b>75.1%</b>	<b>19.3%</b>	<b>0.6%</b>	<b>3.8%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>5.1%</b>



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

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	Truck Total
09/18/1															
3	0	43	3	0	0	0	0	0	0	0	0	0	0	46	0
01:00	1	30	3	0	0	0	0	0	0	0	0	0	0	34	0
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
05:00	0	28	3	0	0	0	0	0	0	0	0	0	0	31	0
06:00	0	126	21	16	2	0	0	0	0	0	0	0	0	165	18
07:00	0	168	28	1	1	1	0	0	0	0	0	0	0	199	3
08:00	1	139	17	2	4	0	0	0	0	0	0	0	0	163	6
09:00	0	131	23	0	5	0	0	1	0	0	0	0	0	160	6
10:00	2	156	23	0	10	0	0	1	0	0	0	0	0	192	11
11:00	1	178	26	2	4	1	0	0	0	0	0	0	0	212	7
12 PM	1	200	26	1	6	0	0	2	0	0	0	0	0	236	9
13:00	3	208	28	0	4	1	0	1	0	0	0	0	0	245	6
14:00	4	181	25	1	2	0	0	1	0	0	0	0	0	214	4
15:00	1	262	24	1	7	1	0	0	1	0	0	0	0	297	10
16:00	0	258	33	3	4	2	0	1	0	0	0	0	0	301	10
17:00	3	245	33	1	4	1	0	2	0	0	0	0	0	289	8
18:00	1	243	21	0	4	2	0	1	0	0	0	0	0	272	7
19:00	0	242	29	1	3	1	0	1	0	0	0	0	0	277	6
20:00	3	192	19	0	2	0	0	1	0	0	0	0	0	217	3
21:00	0	148	13	0	3	0	0	0	0	0	0	0	0	164	3
22:00	1	116	6	0	1	0	0	0	0	0	0	0	0	124	1
23:00	0	81	5	0	1	0	0	0	0	0	0	0	0	87	1
Total	22	3395	413	29	67	10	0	12	1	0	0	0	0	3949	119
Percent	0.6%	86.0%	10.5%	0.7%	1.7%	0.3%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		3.0%
AM Peak	10:00	11:00	07:00	06:00	10:00	07:00		09:00						11:00	06:00
Vol.	2	178	28	16	10	1		1						212	18
PM Peak	14:00	15:00	16:00	16:00	15:00	16:00		12:00	15:00					16:00	15:00
Vol.	4	262	33	3	7	2		2	1					301	10

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

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	Truck Total
09/19/1															
3	2	42	3	0	1	0	0	0	0	0	0	0	0	48	1
01:00	0	24	2	0	0	0	0	0	0	0	0	0	0	26	0
02:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
03:00	0	13	0	0	0	0	0	0	0	0	0	0	0	13	0
04:00	0	7	1	0	0	1	0	0	0	0	0	0	0	9	1
05:00	0	20	6	0	0	0	0	0	0	0	0	0	0	26	0
06:00	0	112	16	15	1	0	0	0	0	0	0	0	0	144	16
07:00	0	152	16	2	4	1	0	2	0	0	0	0	0	177	9
08:00	1	130	23	1	5	0	0	0	0	0	0	0	0	160	6
09:00	0	149	22	0	4	0	0	1	0	0	0	0	0	176	5
10:00	1	151	25	1	8	2	0	1	0	0	0	0	0	189	12
11:00	1	199	22	1	7	0	0	4	0	0	0	0	0	234	12
12 PM	0	198	28	1	3	1	0	0	0	0	0	0	0	231	5
13:00	1	189	19	1	6	1	0	0	0	0	0	0	0	217	8
14:00	2	207	30	1	0	0	0	0	0	0	0	0	0	240	1
15:00	4	234	30	3	2	0	0	1	1	0	0	0	0	275	7
16:00	1	260	29	3	5	0	0	1	0	0	0	0	0	299	9
17:00	1	284	37	0	5	1	0	0	0	0	0	0	0	328	6
18:00	2	261	28	0	3	0	0	0	1	0	0	0	0	295	4
19:00	1	249	24	0	2	0	0	2	0	0	0	0	0	278	4
20:00	2	196	14	0	1	0	0	1	0	1	0	1	0	216	4
21:00	0	153	11	0	0	0	0	0	0	0	0	0	0	164	0
22:00	0	116	4	0	2	0	0	0	0	0	0	0	0	122	2
23:00	0	91	6	0	1	0	0	0	0	0	0	0	0	98	1
<b>Total</b>	<b>19</b>	<b>3442</b>	<b>398</b>	<b>29</b>	<b>60</b>	<b>7</b>	<b>0</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3972</b>	<b>113</b>
<b>Percent</b>	<b>0.5%</b>	<b>86.7%</b>	<b>10.0%</b>	<b>0.7%</b>	<b>1.5%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>2.8%</b>
<b>AM Peak Vol.</b>	<b>2</b>	<b>199</b>	<b>25</b>	<b>15</b>	<b>8</b>	<b>2</b>		<b>4</b>						<b>234</b>	<b>16</b>
<b>PM Peak Vol.</b>	<b>4</b>	<b>284</b>	<b>37</b>	<b>3</b>	<b>6</b>	<b>1</b>		<b>2</b>	<b>1</b>	<b>1</b>		<b>1</b>		<b>328</b>	<b>9</b>
<b>Grand Total</b>	<b>41</b>	<b>6837</b>	<b>811</b>	<b>58</b>	<b>127</b>	<b>17</b>	<b>0</b>	<b>25</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7921</b>	<b>232</b>
<b>Percent</b>	<b>0.5%</b>	<b>86.3%</b>	<b>10.2%</b>	<b>0.7%</b>	<b>1.6%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>2.9%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**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	Truck Total
09/18/1															
3	0	50	6	0	0	0	0	0	0	0	0	0	0	56	0
01:00	1	32	6	0	2	0	0	0	0	0	0	0	0	41	2
02:00	1	12	3	0	0	0	0	0	0	0	0	0	0	16	0
03:00	0	14	5	0	0	0	0	0	0	0	0	0	0	19	0
04:00	0	32	17	0	2	0	0	0	0	0	0	0	0	51	2
05:00	0	134	33	1	10	0	0	0	0	0	0	0	0	178	11
06:00	0	248	64	26	12	0	0	2	0	0	0	0	0	352	40
07:00	1	358	85	5	16	2	0	0	0	0	0	0	0	467	23
08:00	3	294	67	3	12	0	0	4	0	0	0	0	0	383	19
09:00	0	316	79	1	16	3	0	2	1	0	0	0	0	418	23
10:00	2	316	59	1	17	0	0	2	0	0	0	0	0	397	20
11:00	4	332	58	3	10	1	0	2	0	0	0	0	0	410	16
12 PM	3	343	66	2	21	0	0	3	0	0	0	0	0	438	26
13:00	4	363	66	0	10	1	0	1	0	0	0	0	0	445	12
14:00	6	389	83	4	11	1	0	6	0	0	0	0	0	500	22
15:00	6	482	66	2	12	3	0	0	1	0	0	0	0	572	18
16:00	1	418	77	3	19	2	0	1	0	0	0	0	0	521	25
17:00	5	414	86	1	14	2	0	2	0	0	0	0	0	524	19
18:00	2	422	59	0	9	2	0	1	0	0	0	0	0	495	12
19:00	2	375	62	1	8	1	0	1	0	0	0	0	0	450	11
20:00	3	287	40	0	3	0	0	1	0	0	0	0	0	334	4
21:00	0	211	29	0	4	0	0	0	0	0	0	0	0	244	4
22:00	1	155	9	0	1	0	0	0	0	0	0	0	0	166	1
23:00	0	99	9	0	3	0	0	0	0	0	0	0	0	111	3
<b>Total</b>	<b>45</b>	<b>6096</b>	<b>1134</b>	<b>53</b>	<b>212</b>	<b>18</b>	<b>0</b>	<b>28</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7588</b>	<b>313</b>
<b>Percent</b>	<b>0.6%</b>	<b>80.3%</b>	<b>14.9%</b>	<b>0.7%</b>	<b>2.8%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.1%</b>
<b>AM Peak Vol.</b>	<b>11:00</b>	<b>07:00</b>	<b>07:00</b>	<b>06:00</b>	<b>10:00</b>	<b>09:00</b>		<b>08:00</b>	<b>09:00</b>					<b>07:00</b>	<b>06:00</b>
	<b>4</b>	<b>358</b>	<b>85</b>	<b>26</b>	<b>17</b>	<b>3</b>		<b>4</b>	<b>1</b>					<b>467</b>	<b>40</b>
<b>PM Peak Vol.</b>	<b>14:00</b>	<b>15:00</b>	<b>17:00</b>	<b>14:00</b>	<b>12:00</b>	<b>15:00</b>		<b>14:00</b>	<b>15:00</b>					<b>15:00</b>	<b>12:00</b>
	<b>6</b>	<b>482</b>	<b>86</b>	<b>4</b>	<b>21</b>	<b>3</b>		<b>6</b>	<b>1</b>					<b>572</b>	<b>26</b>

**Old Colony Planning Council**  
**70 School Street**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 West St, north of Forest Ave

**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	Truck Total
09/19/1															
3	3	46	5	0	2	0	0	0	0	0	0	0	0	56	2
01:00	1	32	2	0	0	0	0	0	0	0	0	0	0	35	0
02:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	28	4	0	1	0	0	0	0	0	0	0	0	33	1
04:00	0	28	10	0	4	1	0	0	0	0	0	0	0	43	5
05:00	0	124	38	3	9	0	0	0	0	0	0	0	0	174	12
06:00	1	246	54	22	10	0	0	2	0	0	0	0	0	335	34
07:00	0	344	63	6	11	3	0	3	0	0	0	0	0	430	23
08:00	1	311	63	1	13	2	0	3	0	0	0	0	0	394	19
09:00	0	292	70	1	20	1	0	2	1	0	0	0	0	387	25
10:00	3	304	71	2	20	4	0	1	0	0	0	0	0	405	27
11:00	1	367	67	3	15	0	0	4	1	0	0	0	0	458	23
12 PM	1	360	73	2	14	1	0	0	0	0	0	0	0	451	17
13:00	2	357	61	1	16	2	0	0	0	0	0	0	0	439	19
14:00	3	417	73	5	7	3	0	0	0	0	0	0	0	508	15
15:00	6	432	77	3	9	0	0	1	1	0	0	0	0	529	14
16:00	1	453	70	3	9	0	0	1	1	0	0	0	0	538	14
17:00	4	481	82	0	8	1	0	1	0	0	0	0	0	577	10
18:00	4	458	72	0	13	0	0	1	1	0	0	0	0	549	15
19:00	2	422	72	0	5	0	0	3	0	0	0	0	0	504	8
20:00	4	330	43	0	5	0	0	2	0	1	0	1	0	386	9
21:00	0	208	24	0	1	0	0	0	0	0	0	0	0	233	1
22:00	0	164	12	0	2	0	0	0	0	0	0	0	0	178	2
23:00	0	132	11	0	1	0	0	0	0	0	0	0	0	144	1
<b>Total</b>	<b>37</b>	<b>6344</b>	<b>1120</b>	<b>52</b>	<b>195</b>	<b>18</b>	<b>0</b>	<b>24</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7797</b>	<b>296</b>
<b>Percent</b>	<b>0.5%</b>	<b>81.4%</b>	<b>14.4%</b>	<b>0.7%</b>	<b>2.5%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.8%</b>
<b>AM Peak Vol.</b>	<b>3</b>	<b>367</b>	<b>71</b>	<b>22</b>	<b>20</b>	<b>4</b>		<b>4</b>	<b>1</b>					<b>458</b>	<b>34</b>
<b>PM Peak Vol.</b>	<b>6</b>	<b>481</b>	<b>82</b>	<b>5</b>	<b>16</b>	<b>3</b>		<b>3</b>	<b>1</b>	<b>1</b>		<b>1</b>		<b>577</b>	<b>19</b>
<b>Grand Total</b>	<b>82</b>	<b>12440</b>	<b>2254</b>	<b>105</b>	<b>407</b>	<b>36</b>	<b>0</b>	<b>52</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>15385</b>	<b>609</b>
<b>Percent</b>	<b>0.5%</b>	<b>80.9%</b>	<b>14.7%</b>	<b>0.7%</b>	<b>2.6%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.0%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

Start Time	23-Sep-13		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	*	*	*	*	58	74	58	77	*	*	*	*	*	*	58	76
01:00	*	*	*	*	27	51	34	35	*	*	*	*	*	*	30	43
02:00	*	*	*	*	19	30	25	28	*	*	*	*	*	*	22	29
03:00	*	*	*	*	13	21	20	17	*	*	*	*	*	*	16	19
04:00	*	*	*	*	49	44	47	51	*	*	*	*	*	*	48	48
05:00	*	*	*	*	123	102	133	101	*	*	*	*	*	*	128	102
06:00	*	*	*	*	226	183	231	174	*	*	*	*	*	*	228	178
07:00	*	*	*	*	325	335	316	322	*	*	*	*	*	*	320	328
08:00	*	*	*	*	395	279	369	265	*	*	*	*	*	*	382	272
09:00	*	*	*	*	295	332	275	307	*	*	*	*	*	*	285	320
10:00	*	*	*	*	311	328	304	346	*	*	*	*	*	*	308	337
11:00	*	*	*	*	328	387	377	423	*	*	*	*	*	*	352	405
12:00 PM	*	*	*	*	319	397	363	424	*	*	*	*	*	*	341	410
01:00	*	*	*	*	353	419	314	412	*	*	*	*	*	*	334	416
02:00	*	*	*	*	383	447	382	422	*	*	*	*	*	*	382	434
03:00	*	*	*	*	348	493	392	463	*	*	*	*	*	*	370	478
04:00	*	*	*	*	408	495	398	533	*	*	*	*	*	*	403	514
05:00	*	*	*	*	452	547	401	511	*	*	*	*	*	*	426	529
06:00	*	*	*	*	402	477	378	450	*	*	*	*	*	*	390	464
07:00	*	*	*	*	307	413	314	436	*	*	*	*	*	*	310	424
08:00	*	*	*	*	234	324	258	314	*	*	*	*	*	*	246	319
09:00	*	*	*	*	202	261	192	282	*	*	*	*	*	*	197	272
10:00	*	*	*	*	144	184	139	202	*	*	*	*	*	*	142	193
11:00	*	*	*	*	72	133	107	150	*	*	*	*	*	*	90	142
Total Day	0	0	0	0	5793	6756	5827	6745	0	0	0	0	0	0	5808	6752
AM Peak	-	-	-	-	08:00	11:00	11:00	11:00	-	-	-	-	-	-	08:00	11:00
Vol.	-	-	-	-	395	387	377	423	-	-	-	-	-	-	382	405
PM Peak	-	-	-	-	17:00	17:00	17:00	16:00	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	-	-	452	547	401	533	-	-	-	-	-	-	426	529

Comb. Total                      0                      0                      12549                      12572                      0                      0                      0                      12560

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

Start Time	25-Sep-13		NB		SB		Combined		26-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			16	51	29	114	45	165		15	97	24	112	39	209	
12:15			24	96	17	92	41	188		12	83	15	98	27	181	
12:30			10	86	16	102	26	188		17	96	16	97	33	193	
12:45			8	86	12	89	20	175		14	87	22	117	36	204	
01:00			7	91	22	99	29	190		12	73	10	89	22	162	
01:15			8	91	10	127	18	218		7	75	6	109	13	184	
01:30			4	82	8	95	12	177		5	73	10	113	15	186	
01:45			8	89	11	98	19	187		10	93	9	101	19	194	
02:00			6	96	7	119	13	215		11	90	5	91	16	181	
02:15			5	86	7	93	12	179		8	103	15	106	23	209	
02:30			3	103	13	104	16	207		1	90	2	134	3	224	
02:45			5	98	3	131	8	229		5	99	6	91	11	190	
03:00			0	87	8	114	8	201		7	99	5	108	12	207	
03:15			4	89	6	129	10	218		2	93	3	115	5	208	
03:30			4	92	4	115	8	207		4	95	4	130	8	225	
03:45			5	80	3	135	8	215		7	105	5	110	12	215	
04:00			6	112	8	114	14	226		8	98	11	130	19	228	
04:15			13	93	8	124	21	217		8	101	9	127	17	228	
04:30			5	93	10	125	15	218		15	93	16	135	31	228	
04:45			25	110	18	132	43	242		16	106	15	141	31	247	
05:00			26	134	16	123	42	257		23	111	16	125	39	236	
05:15			26	98	18	150	44	248		31	96	20	134	51	230	
05:30			37	116	32	135	69	251		36	105	30	111	66	216	
05:45			34	104	36	139	70	243		43	89	35	141	78	230	
06:00			43	97	34	119	77	216		45	87	36	108	81	195	
06:15			53	97	38	116	91	213		46	101	24	126	70	227	
06:30			62	106	41	118	103	224		69	91	47	102	116	193	
06:45			68	102	70	124	138	226		71	99	67	114	138	213	
07:00			74	80	66	108	140	188		66	84	74	115	140	199	
07:15			78	79	86	104	164	183		58	83	80	114	138	197	
07:30			79	82	86	103	165	185		86	72	86	107	172	179	
07:45			94	66	97	98	191	164		106	75	82	100	188	175	
08:00			89	66	68	91	157	157		85	77	68	81	153	158	
08:15			103	57	53	69	156	126		94	56	53	92	147	148	
08:30			105	58	57	89	162	147		101	67	57	76	158	143	
08:45			98	53	101	75	199	128		89	58	87	65	176	123	
09:00			71	56	91	56	162	112		78	54	92	63	170	117	
09:15			76	52	81	81	157	133		71	53	74	82	145	135	
09:30			68	44	82	63	150	107		68	46	64	69	132	115	
09:45			80	50	78	61	158	111		58	39	77	68	135	107	
10:00			75	34	84	42	159	76		77	34	85	51	162	85	
10:15			74	41	72	59	146	100		79	39	85	56	164	95	
10:30			71	32	74	37	145	69		73	34	90	44	163	78	
10:45			91	37	98	46	189	83		75	32	86	51	161	83	
11:00			81	21	72	40	153	61		78	37	108	52	186	89	
11:15			82	20	107	33	189	53		101	36	93	37	194	73	
11:30			75	15	106	28	181	43		105	15	104	25	209	40	
11:45			90	16	102	32	192	48		93	19	118	36	211	55	
Total			2169	3624	2166	4590	4335	8214		2189	3638	2146	4599	4335	8237	
Day Total			5793		6756		12549			5827		6745		12572		
% Total			17.3%	28.9%	17.3%	36.6%				17.4%	28.9%	17.1%	36.6%			
Peak	-		08:00	04:45	11:00	05:00	11:00	05:00	-	07:45	04:45	11:00	04:30	11:00	04:30	
Vol.	-		395	458	387	547	715	999	-	386	418	423	535	800	941	
P.H.F.			0.940	0.854	0.904	0.912	0.931	0.972		0.910	0.941	0.896	0.949	0.948	0.952	

**Old Colony Planning Council**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	132	135	*	*	*	134
01:00	*	*	78	69	*	*	*	74
02:00	*	*	49	53	*	*	*	51
03:00	*	*	34	37	*	*	*	36
04:00	*	*	93	98	*	*	*	96
05:00	*	*	225	234	*	*	*	230
06:00	*	*	409	405	*	*	*	407
07:00	*	*	660	638	*	*	*	649
08:00	*	*	674	634	*	*	*	654
09:00	*	*	627	582	*	*	*	604
10:00	*	*	639	650	*	*	*	644
11:00	*	*	<b>715</b>	<b>800</b>	*	*	*	<b>758</b>
12:00 PM	*	*	716	787	*	*	*	752
01:00	*	*	772	726	*	*	*	749
02:00	*	*	830	804	*	*	*	817
03:00	*	*	841	855	*	*	*	848
04:00	*	*	903	<b>931</b>	*	*	*	917
05:00	*	*	<b>999</b>	912	*	*	*	<b>956</b>
06:00	*	*	879	828	*	*	*	854
07:00	*	*	720	750	*	*	*	735
08:00	*	*	558	572	*	*	*	565
09:00	*	*	463	474	*	*	*	468
10:00	*	*	328	341	*	*	*	334
11:00	*	*	205	257	*	*	*	231
Total	0	0	12549	12572	0	0	0	12563
Percentage	0.0%	0.0%	99.9%	100.1%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	715	800	-	-	-	758
PM Peak	-	-	17:00	16:00	-	-	-	17:00
Vol.	-	-	999	931	-	-	-	956

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**NB**

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
09/25/1															
3	0	3	4	17	20	11	3	0	0	0	0	0	0	0	58
01:00	0	0	2	15	8	2	0	0	0	0	0	0	0	0	27
02:00	0	0	3	4	9	3	0	0	0	0	0	0	0	0	19
03:00	0	2	0	3	4	1	3	0	0	0	0	0	0	0	13
04:00	0	1	3	7	12	18	6	1	1	0	0	0	0	0	49
05:00	6	4	9	28	36	29	8	3	0	0	0	0	0	0	123
06:00	10	14	32	60	70	33	6	1	0	0	0	0	0	0	226
07:00	28	15	49	104	106	21	1	1	0	0	0	0	0	0	325
08:00	24	23	63	153	98	31	3	0	0	0	0	0	0	0	395
09:00	18	18	28	96	94	38	3	0	0	0	0	0	0	0	295
10:00	28	16	38	103	101	22	2	1	0	0	0	0	0	0	311
11:00	37	22	59	89	100	20	1	0	0	0	0	0	0	0	328
12 PM	34	19	52	109	84	17	4	0	0	0	0	0	0	0	319
13:00	32	21	57	125	101	15	2	0	0	0	0	0	0	0	353
14:00	42	31	73	144	74	15	3	1	0	0	0	0	0	0	383
15:00	55	37	89	117	45	4	0	1	0	0	0	0	0	0	348
16:00	78	45	111	121	47	6	0	0	0	0	0	0	0	0	408
17:00	124	49	84	133	51	10	1	0	0	0	0	0	0	0	452
18:00	61	31	93	154	53	9	0	1	0	0	0	0	0	0	402
19:00	39	17	48	112	76	13	2	0	0	0	0	0	0	0	307
20:00	20	16	24	95	68	11	0	0	0	0	0	0	0	0	234
21:00	24	10	24	71	62	10	1	0	0	0	0	0	0	0	202
22:00	4	2	13	43	54	26	2	0	0	0	0	0	0	0	144
23:00	3	8	5	15	25	14	1	1	0	0	0	0	0	0	72
<b>Total</b>	<b>667</b>	<b>404</b>	<b>963</b>	<b>1918</b>	<b>1398</b>	<b>379</b>	<b>52</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5793</b>

Daily

15th Percentile :	11 MPH
50th Percentile :	26 MPH
85th Percentile :	33 MPH
95th Percentile :	36 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	2795
Percent in Pace :	48.2%
Number of Vehicles > 30 MPH :	1841
Percent of Vehicles > 30 MPH :	31.8%



**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**NB**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/26/13	1	1	5	18	20	10	2	1	0	0	0	0	0	0	58
01:00	1	1	1	11	15	4	0	1	0	0	0	0	0	0	34
02:00	0	0	2	6	8	8	1	0	0	0	0	0	0	0	25
03:00	0	1	0	1	4	9	2	1	2	0	0	0	0	0	20
04:00	2	1	1	3	13	17	7	2	1	0	0	0	0	0	47
05:00	7	0	9	36	48	27	3	1	2	0	0	0	0	0	133
06:00	6	11	27	81	78	22	4	2	0	0	0	0	0	0	231
07:00	33	26	38	125	76	15	3	0	0	0	0	0	0	0	316
08:00	30	24	57	106	118	32	2	0	0	0	0	0	0	0	369
09:00	28	15	35	92	68	30	6	1	0	0	0	0	0	0	275
10:00	24	10	35	117	95	20	3	0	0	0	0	0	0	0	304
11:00	45	23	82	148	64	12	3	0	0	0	0	0	0	0	377
12 PM	54	34	91	113	64	5	2	0	0	0	0	0	0	0	363
13:00	36	22	60	108	66	19	3	0	0	0	0	0	0	0	314
14:00	46	24	78	142	77	14	1	0	0	0	0	0	0	0	382
15:00	45	25	67	174	70	11	0	0	0	0	0	0	0	0	392
16:00	62	27	83	137	66	18	4	1	0	0	0	0	0	0	398
17:00	46	35	85	141	77	15	2	0	0	0	0	0	0	0	401
18:00	38	24	102	140	68	6	0	0	0	0	0	0	0	0	378
19:00	31	14	54	132	76	7	0	0	0	0	0	0	0	0	314
20:00	26	15	58	87	60	11	1	0	0	0	0	0	0	0	258
21:00	15	9	34	66	51	14	3	0	0	0	0	0	0	0	192
22:00	4	4	11	46	59	13	2	0	0	0	0	0	0	0	139
23:00	1	5	8	41	28	20	3	1	0	0	0	0	0	0	107
<b>Total</b>	<b>581</b>	<b>351</b>	<b>1023</b>	<b>2071</b>	<b>1369</b>	<b>359</b>	<b>57</b>	<b>11</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5827</b>

Daily

15th Percentile : 12 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 2975  
 Percent in Pace : 51.1%  
 Number of Vehicles > 30 MPH : 1801  
 Percent of Vehicles > 30 MPH : 30.9%

<b>Grand Total</b>	<b>1248</b>	<b>755</b>	<b>1986</b>	<b>3989</b>	<b>2767</b>	<b>738</b>	<b>109</b>	<b>22</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11620</b>
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Overall

15th Percentile : 11 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 5761  
 Percent in Pace : 49.6%  
 Number of Vehicles > 30 MPH : 3642  
 Percent of Vehicles > 30 MPH : 31.3%

**Old Colony Planning Council**  
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Community: Brockton  
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 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**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
09/25/1															
3	0	2	5	16	30	18	2	1	0	0	0	0	0	0	74
01:00	0	5	9	13	13	10	0	1	0	0	0	0	0	0	51
02:00	0	0	3	7	10	8	1	0	1	0	0	0	0	0	30
03:00	0	1	3	3	5	4	5	0	0	0	0	0	0	0	21
04:00	0	2	2	8	13	14	3	2	0	0	0	0	0	0	44
05:00	4	1	12	25	36	14	6	3	0	1	0	0	0	0	102
06:00	5	7	20	49	66	29	5	2	0	0	0	0	0	0	183
07:00	16	19	49	124	81	44	1	1	0	0	0	0	0	0	335
08:00	14	7	29	92	91	35	11	0	0	0	0	0	0	0	279
09:00	17	9	43	112	111	35	4	0	1	0	0	0	0	0	332
10:00	19	10	38	106	107	43	4	1	0	0	0	0	0	0	328
11:00	26	19	73	113	117	36	3	0	0	0	0	0	0	0	387
12 PM	55	16	63	117	118	26	2	0	0	0	0	0	0	0	397
13:00	31	21	74	144	103	34	10	0	2	0	0	0	0	0	419
14:00	46	26	78	126	130	37	4	0	0	0	0	0	0	0	447
15:00	53	54	139	169	66	10	0	2	0	0	0	0	0	0	493
16:00	60	27	121	186	84	16	1	0	0	0	0	0	0	0	495
17:00	63	59	159	175	80	9	2	0	0	0	0	0	0	0	547
18:00	50	53	109	168	81	12	4	0	0	0	0	0	0	0	477
19:00	33	31	105	156	76	11	1	0	0	0	0	0	0	0	413
20:00	16	17	58	126	86	18	3	0	0	0	0	0	0	0	324
21:00	16	10	40	93	82	19	1	0	0	0	0	0	0	0	261
22:00	5	5	19	56	68	26	5	0	0	0	0	0	0	0	184
23:00	0	1	11	27	53	28	11	2	0	0	0	0	0	0	133
<b>Total</b>	<b>529</b>	<b>402</b>	<b>1262</b>	<b>2211</b>	<b>1707</b>	<b>536</b>	<b>89</b>	<b>15</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6756</b>

Daily

15th Percentile :	14 MPH
50th Percentile :	26 MPH
85th Percentile :	33 MPH
95th Percentile :	37 MPH

Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	3428
Percent in Pace :	50.7%
Number of Vehicles > 30 MPH :	2352
Percent of Vehicles > 30 MPH :	34.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**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
09/26/13	1	3	10	13	27	17	6	0	0	0	0	0	0	0	77
01:00	0	0	3	9	9	11	3	0	0	0	0	0	0	0	35
02:00	0	1	1	6	11	7	1	1	0	0	0	0	0	0	28
03:00	0	0	1	1	4	9	2	0	0	0	0	0	0	0	17
04:00	0	2	2	8	19	15	5	0	0	0	0	0	0	0	51
05:00	2	1	10	24	34	16	11	0	2	1	0	0	0	0	101
06:00	5	6	27	42	60	28	5	1	0	0	0	0	0	0	174
07:00	22	14	51	108	92	33	2	0	0	0	0	0	0	0	322
08:00	26	10	46	68	82	29	1	3	0	0	0	0	0	0	265
09:00	19	14	49	93	102	28	1	1	0	0	0	0	0	0	307
10:00	21	16	63	103	101	35	7	0	0	0	0	0	0	0	346
11:00	36	44	92	152	89	8	2	0	0	0	0	0	0	0	423
12 PM	41	41	82	158	82	17	3	0	0	0	0	0	0	0	424
13:00	48	25	79	134	105	18	2	1	0	0	0	0	0	0	412
14:00	36	18	88	138	116	22	3	1	0	0	0	0	0	0	422
15:00	32	30	96	150	124	28	3	0	0	0	0	0	0	0	463
16:00	53	41	86	217	112	21	3	0	0	0	0	0	0	0	533
17:00	51	38	108	186	100	26	0	1	1	0	0	0	0	0	511
18:00	61	38	121	148	75	6	1	0	0	0	0	0	0	0	450
19:00	32	23	87	171	101	21	1	0	0	0	0	0	0	0	436
20:00	52	11	69	101	63	17	1	0	0	0	0	0	0	0	314
21:00	14	18	27	113	93	14	3	0	0	0	0	0	0	0	282
22:00	6	5	24	78	64	19	4	1	1	0	0	0	0	0	202
23:00	1	2	11	43	52	34	7	0	0	0	0	0	0	0	150
<b>Total</b>	<b>559</b>	<b>401</b>	<b>1233</b>	<b>2264</b>	<b>1717</b>	<b>479</b>	<b>77</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6745</b>

Daily  
 15th Percentile : 14 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 3461  
 Percent in Pace : 51.3%  
 Number of Vehicles > 30 MPH : 2288  
 Percent of Vehicles > 30 MPH : 33.9%

<b>Grand Total</b>	<b>1088</b>	<b>803</b>	<b>2495</b>	<b>4475</b>	<b>3424</b>	<b>1015</b>	<b>166</b>	<b>25</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13501</b>
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Overall  
 15th Percentile : 14 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 6889  
 Percent in Pace : 51.0%  
 Number of Vehicles > 30 MPH : 4640  
 Percent of Vehicles > 30 MPH : 34.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**NB, 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
09/25/1															
3	0	5	9	33	50	29	5	1	0	0	0	0	0	0	132
01:00	0	5	11	28	21	12	0	1	0	0	0	0	0	0	78
02:00	0	0	6	11	19	11	1	0	1	0	0	0	0	0	49
03:00	0	3	3	6	9	5	8	0	0	0	0	0	0	0	34
04:00	0	3	5	15	25	32	9	3	1	0	0	0	0	0	93
05:00	10	5	21	53	72	43	14	6	0	1	0	0	0	0	225
06:00	15	21	52	109	136	62	11	3	0	0	0	0	0	0	409
07:00	44	34	98	228	187	65	2	2	0	0	0	0	0	0	660
08:00	38	30	92	245	189	66	14	0	0	0	0	0	0	0	674
09:00	35	27	71	208	205	73	7	0	1	0	0	0	0	0	627
10:00	47	26	76	209	208	65	6	2	0	0	0	0	0	0	639
11:00	63	41	132	202	217	56	4	0	0	0	0	0	0	0	715
12 PM	89	35	115	226	202	43	6	0	0	0	0	0	0	0	716
13:00	63	42	131	269	204	49	12	0	2	0	0	0	0	0	772
14:00	88	57	151	270	204	52	7	1	0	0	0	0	0	0	830
15:00	108	91	228	286	111	14	0	3	0	0	0	0	0	0	841
16:00	138	72	232	307	131	22	1	0	0	0	0	0	0	0	903
17:00	187	108	243	308	131	19	3	0	0	0	0	0	0	0	999
18:00	111	84	202	322	134	21	4	1	0	0	0	0	0	0	879
19:00	72	48	153	268	152	24	3	0	0	0	0	0	0	0	720
20:00	36	33	82	221	154	29	3	0	0	0	0	0	0	0	558
21:00	40	20	64	164	144	29	2	0	0	0	0	0	0	0	463
22:00	9	7	32	99	122	52	7	0	0	0	0	0	0	0	328
23:00	3	9	16	42	78	42	12	3	0	0	0	0	0	0	205
<b>Total</b>	<b>1196</b>	<b>806</b>	<b>2225</b>	<b>4129</b>	<b>3105</b>	<b>915</b>	<b>141</b>	<b>26</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12549</b>

Daily

15th Percentile :	12 MPH
50th Percentile :	26 MPH
85th Percentile :	33 MPH
95th Percentile :	37 MPH

Mean Speed(Average) :	25 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	6220
Percent in Pace :	49.6%
Number of Vehicles > 30 MPH :	4193
Percent of Vehicles > 30 MPH :	33.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**NB, 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
09/26/1															
3	2	4	15	31	47	27	8	1	0	0	0	0	0	0	135
01:00	1	1	4	20	24	15	3	1	0	0	0	0	0	0	69
02:00	0	1	3	12	19	15	2	1	0	0	0	0	0	0	53
03:00	0	1	1	2	8	18	4	1	2	0	0	0	0	0	37
04:00	2	3	3	11	32	32	12	2	1	0	0	0	0	0	98
05:00	9	1	19	60	82	43	14	1	4	1	0	0	0	0	234
06:00	11	17	54	123	138	50	9	3	0	0	0	0	0	0	405
07:00	55	40	89	233	168	48	5	0	0	0	0	0	0	0	638
08:00	56	34	103	174	200	61	3	3	0	0	0	0	0	0	634
09:00	47	29	84	185	170	58	7	2	0	0	0	0	0	0	582
10:00	45	26	98	220	196	55	10	0	0	0	0	0	0	0	650
11:00	81	67	174	300	153	20	5	0	0	0	0	0	0	0	800
12 PM	95	75	173	271	146	22	5	0	0	0	0	0	0	0	787
13:00	84	47	139	242	171	37	5	1	0	0	0	0	0	0	726
14:00	82	42	166	280	193	36	4	1	0	0	0	0	0	0	804
15:00	77	55	163	324	194	39	3	0	0	0	0	0	0	0	855
16:00	115	68	169	354	178	39	7	1	0	0	0	0	0	0	931
17:00	97	73	193	327	177	41	2	1	1	0	0	0	0	0	912
18:00	99	62	223	288	143	12	1	0	0	0	0	0	0	0	828
19:00	63	37	141	303	177	28	1	0	0	0	0	0	0	0	750
20:00	78	26	127	188	123	28	2	0	0	0	0	0	0	0	572
21:00	29	27	61	179	144	28	6	0	0	0	0	0	0	0	474
22:00	10	9	35	124	123	32	6	1	1	0	0	0	0	0	341
23:00	2	7	19	84	80	54	10	1	0	0	0	0	0	0	257
<b>Total</b>	<b>1140</b>	<b>752</b>	<b>2256</b>	<b>4335</b>	<b>3086</b>	<b>838</b>	<b>134</b>	<b>21</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12572</b>

Daily

15th Percentile : 13 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 6430  
 Percent in Pace : 51.1%  
 Number of Vehicles > 30 MPH : 4089  
 Percent of Vehicles > 30 MPH : 32.5%

<b>Grand Total</b>	<b>2336</b>	<b>1558</b>	<b>4481</b>	<b>8464</b>	<b>6191</b>	<b>1753</b>	<b>275</b>	<b>47</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25121</b>
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Overall

15th Percentile : 12 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 12644  
 Percent in Pace : 50.3%  
 Number of Vehicles > 30 MPH : 8282  
 Percent of Vehicles > 30 MPH : 33.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

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	Truck Total
09/25/1	3	0	49	9	0	0	0	0	0	0	0	0	0	58	0
01:00	0	24	3	0	0	0	0	0	0	0	0	0	0	27	0
02:00	0	16	3	0	0	0	0	0	0	0	0	0	0	19	0
03:00	0	9	3	0	0	1	0	0	0	0	0	0	0	13	1
04:00	0	39	8	0	1	0	0	0	1	0	0	0	0	49	2
05:00	0	89	31	0	1	0	0	2	0	0	0	0	0	123	3
06:00	1	167	47	6	4	0	0	0	0	0	0	0	0	225	10
07:00	1	245	59	4	12	1	0	2	0	0	0	0	0	324	19
08:00	6	301	76	3	7	0	0	2	0	0	0	0	0	395	12
09:00	4	217	58	3	11	1	0	1	0	0	0	0	0	295	16
10:00	3	232	55	9	11	0	0	0	0	0	0	0	0	310	20
11:00	6	263	44	3	6	1	0	3	0	0	0	0	0	326	13
12 PM	1	253	49	0	13	1	0	0	0	0	0	0	0	317	14
13:00	6	263	61	4	10	4	0	2	0	0	0	0	0	350	20
14:00	5	284	71	8	11	1	0	2	0	0	0	0	0	382	22
15:00	4	259	64	5	12	1	0	0	0	0	0	0	0	345	18
16:00	6	310	76	2	7	3	0	1	0	0	0	0	0	405	13
17:00	5	351	75	1	9	3	0	3	0	0	0	0	0	447	16
18:00	5	321	63	1	7	2	0	1	0	0	0	0	0	400	11
19:00	6	245	43	2	6	1	0	1	0	0	0	0	0	304	10
20:00	0	182	42	2	6	0	0	1	0	0	0	0	0	233	9
21:00	3	165	31	0	0	1	0	0	0	0	0	0	0	200	1
22:00	1	123	18	0	2	0	0	0	0	0	0	0	0	144	2
23:00	1	61	8	0	2	0	0	0	0	0	0	0	0	72	2
<b>Total</b>	<b>64</b>	<b>4468</b>	<b>997</b>	<b>53</b>	<b>138</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5763</b>	<b>234</b>
<b>Percent</b>	<b>1.1%</b>	<b>77.5%</b>	<b>17.3%</b>	<b>0.9%</b>	<b>2.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.1%</b>
<b>AM Peak</b>	<b>08:00</b>	<b>08:00</b>	<b>08:00</b>	<b>10:00</b>	<b>07:00</b>	<b>03:00</b>		<b>11:00</b>	<b>04:00</b>					<b>08:00</b>	<b>10:00</b>
<b>Vol.</b>	<b>6</b>	<b>301</b>	<b>76</b>	<b>9</b>	<b>12</b>	<b>1</b>		<b>3</b>	<b>1</b>					<b>395</b>	<b>20</b>
<b>PM Peak</b>	<b>13:00</b>	<b>17:00</b>	<b>16:00</b>	<b>14:00</b>	<b>12:00</b>	<b>13:00</b>		<b>17:00</b>						<b>17:00</b>	<b>14:00</b>
<b>Vol.</b>	<b>6</b>	<b>351</b>	<b>76</b>	<b>8</b>	<b>13</b>	<b>4</b>		<b>3</b>						<b>447</b>	<b>22</b>



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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

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	Truck Total
09/25/1															
3	0	65	6	0	3	0	0	0	0	0	0	0	0	74	3
01:00	0	44	6	0	1	0	0	0	0	0	0	0	0	51	1
02:00	0	22	6	0	2	0	0	0	0	0	0	0	0	30	2
03:00	0	19	2	0	0	0	0	0	0	0	0	0	0	21	0
04:00	0	33	9	1	1	0	0	0	0	0	0	0	0	44	2
05:00	0	72	25	0	4	1	0	0	0	0	0	0	0	102	5
06:00	0	125	47	2	4	1	0	1	1	0	0	0	0	181	9
07:00	1	241	71	10	8	0	0	2	0	0	0	0	0	333	20
08:00	1	185	68	8	14	1	0	2	0	0	0	0	0	279	25
09:00	1	232	76	7	15	0	0	0	0	1	0	0	0	332	23
10:00	1	242	61	3	15	1	0	3	0	0	1	0	0	327	23
11:00	3	276	77	4	22	2	0	1	0	0	0	0	0	385	29
12 PM	5	296	67	2	22	1	0	2	0	0	0	0	0	395	27
13:00	7	306	85	2	16	3	0	0	0	0	0	0	0	419	21
14:00	3	329	81	6	20	1	0	4	2	0	0	0	0	446	33
15:00	3	348	113	12	13	1	0	0	0	0	1	0	0	491	27
16:00	4	363	93	5	21	2	0	3	1	0	0	0	0	492	32
17:00	7	401	104	5	19	5	0	2	0	0	0	0	0	543	31
18:00	7	353	90	8	12	3	0	1	0	0	0	0	0	474	24
19:00	3	294	99	1	11	1	0	3	0	0	0	0	0	412	16
20:00	2	254	55	1	9	0	0	3	0	0	0	0	0	324	13
21:00	4	197	45	3	9	1	0	0	0	1	0	0	0	260	14
22:00	0	150	29	0	4	0	0	0	0	0	0	0	0	183	4
23:00	0	111	21	0	0	1	0	0	0	0	0	0	0	133	1
Total	52	4958	1336	80	245	25	0	27	4	2	2	0	0	6731	385
Percent	0.8%	73.7%	19.8%	1.2%	3.6%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.7%
AM Peak	11:00	11:00	11:00	07:00	11:00	11:00		10:00	06:00	09:00	10:00			11:00	11:00
Vol.	3	276	77	10	22	2		3	1	1	1			385	29
PM Peak	13:00	17:00	15:00	15:00	12:00	17:00		14:00	14:00	21:00	15:00			17:00	14:00
Vol.	7	401	113	12	22	5		4	2	1	1			543	33



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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

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	Truck Total
09/26/1															
3	0	60	9	0	7	1	0	0	0	0	0	0	0	77	8
01:00	0	27	7	0	1	0	0	0	0	0	0	0	0	35	1
02:00	0	24	4	0	0	0	0	0	0	0	0	0	0	28	0
03:00	0	15	2	0	0	0	0	0	0	0	0	0	0	17	0
04:00	0	39	10	0	2	0	0	0	0	0	0	0	0	51	2
05:00	0	68	26	0	5	1	0	0	0	0	0	0	0	100	6
06:00	1	115	48	1	8	0	0	0	1	0	0	0	0	174	10
07:00	0	226	68	9	13	3	0	1	0	0	0	0	0	320	26
08:00	3	168	67	5	15	2	0	3	0	0	0	0	0	263	25
09:00	1	200	84	3	13	2	0	2	1	0	0	0	0	306	21
10:00	1	242	68	5	25	2	0	1	0	0	0	0	0	344	33
11:00	5	311	79	3	19	3	0	1	0	0	0	0	0	421	26
12 PM	5	298	89	4	20	6	0	1	0	0	0	0	0	423	31
13:00	2	294	88	5	16	3	0	3	0	0	0	0	0	411	27
14:00	7	300	93	4	12	0	0	2	1	0	0	0	0	419	19
15:00	1	334	96	2	22	3	0	3	0	0	0	0	0	461	30
16:00	5	410	95	2	17	2	0	1	0	0	0	0	0	532	22
17:00	6	376	100	2	19	4	0	2	0	0	0	0	0	509	27
18:00	3	335	83	5	12	6	0	3	0	0	0	0	0	447	26
19:00	4	346	72	2	9	2	0	0	0	0	0	0	0	435	13
20:00	11	238	50	2	6	3	0	1	0	0	0	0	0	311	12
21:00	3	229	44	2	2	0	0	1	0	0	0	0	0	281	5
22:00	1	181	20	0	0	0	0	0	0	0	0	0	0	202	0
23:00	0	121	26	0	3	0	0	0	0	0	0	0	0	150	3
Total	59	4957	1328	56	246	43	0	25	3	0	0	0	0	6717	373
Percent	0.9%	73.8%	19.8%	0.8%	3.7%	0.6%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak	11:00	11:00	09:00	07:00	10:00	07:00		08:00	06:00					11:00	10:00
Vol.	5	311	84	9	25	3		3	1					421	33
PM Peak	20:00	16:00	17:00	13:00	15:00	12:00		13:00	14:00					16:00	12:00
Vol.	11	410	100	5	22	6		3	1					532	31
Grand Total	111	9915	2664	136	491	68	0	52	7	2	2	0	0	13448	758
Percent	0.8%	73.7%	19.8%	1.0%	3.7%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Forest Ave

**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	Truck Total
09/25/1															
3	0	114	15	0	3	0	0	0	0	0	0	0	0	132	3
01:00	0	68	9	0	1	0	0	0	0	0	0	0	0	78	1
02:00	0	38	9	0	2	0	0	0	0	0	0	0	0	49	2
03:00	0	28	5	0	0	1	0	0	0	0	0	0	0	34	1
04:00	0	72	17	1	2	0	0	0	1	0	0	0	0	93	4
05:00	0	161	56	0	5	1	0	2	0	0	0	0	0	225	8
06:00	1	292	94	8	8	1	0	1	1	0	0	0	0	406	19
07:00	2	486	130	14	20	1	0	4	0	0	0	0	0	657	39
08:00	7	486	144	11	21	1	0	4	0	0	0	0	0	674	37
09:00	5	449	134	10	26	1	0	1	0	1	0	0	0	627	39
10:00	4	474	116	12	26	1	0	3	0	0	1	0	0	637	43
11:00	9	539	121	7	28	3	0	4	0	0	0	0	0	711	42
12 PM	6	549	116	2	35	2	0	2	0	0	0	0	0	712	41
13:00	13	569	146	6	26	7	0	2	0	0	0	0	0	769	41
14:00	8	613	152	14	31	2	0	6	2	0	0	0	0	828	55
15:00	7	607	177	17	25	2	0	0	0	0	1	0	0	836	45
16:00	10	673	169	7	28	5	0	4	1	0	0	0	0	897	45
17:00	12	752	179	6	28	8	0	5	0	0	0	0	0	990	47
18:00	12	674	153	9	19	5	0	2	0	0	0	0	0	874	35
19:00	9	539	142	3	17	2	0	4	0	0	0	0	0	716	26
20:00	2	436	97	3	15	0	0	4	0	0	0	0	0	557	22
21:00	7	362	76	3	9	2	0	0	0	1	0	0	0	460	15
22:00	1	273	47	0	6	0	0	0	0	0	0	0	0	327	6
23:00	1	172	29	0	2	1	0	0	0	0	0	0	0	205	3
Total	116	9426	2333	133	383	46	0	48	5	2	2	0	0	12494	619
Percent	0.9%	75.4%	18.7%	1.1%	3.1%	0.4%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak	11:00	11:00	08:00	07:00	11:00	11:00		07:00	04:00	09:00	10:00			11:00	10:00
Vol.	9	539	144	14	28	3		4	1	1	1			711	43
PM Peak	13:00	17:00	17:00	15:00	12:00	17:00		14:00	14:00	21:00	15:00			17:00	14:00
Vol.	13	752	179	17	35	8		6	2	1	1			990	55



**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

Start Time	23-Sep-13		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	*	*	*	*	47	72	38	54	*	*	*	*	*	*	42	63
01:00	*	*	*	*	13	46	21	26	*	*	*	*	*	*	17	36
02:00	*	*	*	*	12	24	19	25	*	*	*	*	*	*	16	24
03:00	*	*	*	*	10	14	14	21	*	*	*	*	*	*	12	18
04:00	*	*	*	*	29	42	25	33	*	*	*	*	*	*	27	38
05:00	*	*	*	*	73	88	88	73	*	*	*	*	*	*	80	80
06:00	*	*	*	*	137	149	136	149	*	*	*	*	*	*	136	149
07:00	*	*	*	*	235	237	221	214	*	*	*	*	*	*	228	226
08:00	*	*	*	*	326	221	317	217	*	*	*	*	*	*	322	219
09:00	*	*	*	*	247	256	216	291	*	*	*	*	*	*	232	274
10:00	*	*	*	*	217	300	224	301	*	*	*	*	*	*	220	300
11:00	*	*	*	*	249	348	287	346	*	*	*	*	*	*	268	347
12:00 PM	*	*	*	*	281	358	285	382	*	*	*	*	*	*	283	370
01:00	*	*	*	*	282	329	270	360	*	*	*	*	*	*	276	344
02:00	*	*	*	*	263	365	281	316	*	*	*	*	*	*	272	340
03:00	*	*	*	*	274	387	269	361	*	*	*	*	*	*	272	374
04:00	*	*	*	*	283	411	283	429	*	*	*	*	*	*	283	420
05:00	*	*	*	*	274	420	260	377	*	*	*	*	*	*	267	398
06:00	*	*	*	*	240	387	229	378	*	*	*	*	*	*	234	382
07:00	*	*	*	*	217	315	199	330	*	*	*	*	*	*	208	322
08:00	*	*	*	*	120	249	157	248	*	*	*	*	*	*	138	248
09:00	*	*	*	*	113	194	106	190	*	*	*	*	*	*	110	192
10:00	*	*	*	*	90	143	93	160	*	*	*	*	*	*	92	152
11:00	*	*	*	*	51	106	63	116	*	*	*	*	*	*	57	111
Total Day	0	0	0	0	4083	5461	4101	5397	0	0	0	0	0	0	4092	5427
AM Peak	-	-	-	-	08:00	11:00	08:00	11:00	-	-	-	-	-	-	08:00	11:00
Vol.	-	-	-	-	326	348	317	346	-	-	-	-	-	-	322	347
PM Peak	-	-	-	-	16:00	17:00	12:00	16:00	-	-	-	-	-	-	12:00	16:00
Vol.	-	-	-	-	283	420	285	429	-	-	-	-	-	-	283	420

Comb. Total	0	0	9544	9498	0	0	0	9519
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

Start Time	25-Sep-13 Wed		NB		SB		Combined		26-Sep Thu		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.	A.M.	P.M.
12:00	16	65	21	79	37	144	11	83	15	99	26	182				
12:15	20	89	24	78	44	167	8	62	10	78	18	140				
12:30	6	61	13	106	19	167	10	71	16	91	26	162				
12:45	5	66	14	95	19	161	9	69	13	114	22	183				
01:00	1	71	16	78	17	149	6	64	8	86	14	150				
01:15	4	57	16	87	20	144	5	69	6	92	11	161				
01:30	5	77	5	73	10	150	5	67	6	93	11	160				
01:45	3	77	9	91	12	168	5	70	6	89	11	159				
02:00	5	64	6	90	11	154	9	82	7	66	16	148				
02:15	4	56	4	89	8	145	3	68	9	92	12	160				
02:30	2	70	11	78	13	148	5	67	4	81	9	148				
02:45	1	73	3	108	4	181	2	64	5	77	7	141				
03:00	1	75	4	93	5	168	3	67	4	91	7	158				
03:15	2	67	5	92	7	159	1	68	6	88	7	156				
03:30	5	59	4	99	9	158	4	67	4	97	8	164				
03:45	2	73	1	103	3	176	6	67	7	85	13	152				
04:00	4	68	5	109	9	177	2	68	6	99	8	167				
04:15	8	73	11	91	19	164	8	<b>75</b>	7	<b>119</b>	15	<b>194</b>				
04:30	2	<b>65</b>	8	108	10	<b>173</b>	10	<b>73</b>	8	<b>114</b>	18	<b>187</b>				
04:45	15	<b>77</b>	18	103	33	<b>180</b>	5	<b>67</b>	12	<b>97</b>	17	<b>164</b>				
05:00	9	<b>68</b>	12	<b>102</b>	21	<b>170</b>	16	<b>76</b>	14	<b>102</b>	30	<b>178</b>				
05:15	21	<b>82</b>	14	<b>103</b>	35	<b>185</b>	20	74	13	90	33	164				
05:30	23	60	35	<b>106</b>	58	166	25	49	22	86	47	135				
05:45	20	64	27	<b>109</b>	47	173	27	61	24	99	51	160				
06:00	28	66	24	88	52	154	21	59	30	102	51	161				
06:15	33	51	38	93	71	144	39	49	30	101	69	150				
06:30	32	73	37	99	69	172	38	62	40	79	78	141				
06:45	44	50	50	107	94	157	38	59	49	96	87	155				
07:00	53	70	63	83	116	153	43	55	45	95	88	150				
07:15	54	50	66	72	120	122	59	51	60	89	119	140				
07:30	69	49	46	86	115	135	48	50	54	75	102	125				
07:45	59	48	62	74	121	122	71	43	55	71	126	114				
08:00	66	37	55	70	121	107	57	38	55	64	112	102				
08:15	<b>87</b>	31	49	47	136	78	<b>93</b>	47	56	68	149	115				
08:30	<b>100</b>	32	38	77	138	109	<b>89</b>	38	45	66	134	104				
08:45	<b>73</b>	20	79	55	152	75	<b>78</b>	34	61	50	139	84				
09:00	<b>75</b>	26	80	40	155	66	<b>59</b>	37	78	56	137	93				
09:15	66	28	56	66	122	94	44	21	66	49	110	70				
09:30	49	29	55	49	104	78	60	28	62	49	122	77				
09:45	57	30	65	39	122	69	53	20	85	36	138	56				
10:00	54	27	64	33	118	60	56	27	71	37	127	64				
10:15	54	22	84	47	138	69	62	21	78	34	140	55				
10:30	51	22	71	29	122	51	52	22	78	39	130	61				
10:45	58	19	81	34	139	53	54	23	74	50	128	73				
11:00	57	15	<b>81</b>	30	<b>138</b>	45	67	20	<b>78</b>	42	<b>145</b>	62				
11:15	76	14	<b>76</b>	32	<b>152</b>	46	73	26	<b>83</b>	24	<b>156</b>	50				
11:30	58	12	<b>106</b>	24	<b>164</b>	36	71	11	<b>99</b>	24	<b>170</b>	35				
11:45	58	10	<b>85</b>	20	<b>143</b>	30	76	6	<b>86</b>	26	<b>162</b>	32				
Total	1595	2488	1797	3664	3392	6152	1606	2495	1750	3647	3356	6142				
Day Total	4083		5461		9544		4101		5397		9498					
% Total	16.7%	26.1%	18.8%	38.4%			16.9%	26.3%	18.4%	38.4%						
Peak	-	08:15	04:30	11:00	05:00	11:00	04:30	-	08:15	04:15	11:00	04:15	11:00	04:15		
Vol.	-	335	292	348	420	597	708	-	319	291	346	432	633	723		
P.H.F.		0.838	0.890	0.821	0.963	0.910	0.957		0.858	0.887	0.874	0.908	0.931	0.932		

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	119	92	*	*	*	106
01:00	*	*	59	47	*	*	*	53
02:00	*	*	36	44	*	*	*	40
03:00	*	*	24	35	*	*	*	30
04:00	*	*	71	58	*	*	*	64
05:00	*	*	161	161	*	*	*	161
06:00	*	*	286	285	*	*	*	286
07:00	*	*	472	435	*	*	*	454
08:00	*	*	547	534	*	*	*	540
09:00	*	*	503	507	*	*	*	505
10:00	*	*	517	525	*	*	*	521
11:00	*	*	<b>597</b>	<b>633</b>	*	*	*	<b>615</b>
12:00 PM	*	*	639	667	*	*	*	653
01:00	*	*	611	630	*	*	*	620
02:00	*	*	628	597	*	*	*	612
03:00	*	*	661	630	*	*	*	646
04:00	*	*	<b>694</b>	<b>712</b>	*	*	*	<b>703</b>
05:00	*	*	694	637	*	*	*	666
06:00	*	*	627	607	*	*	*	617
07:00	*	*	532	529	*	*	*	530
08:00	*	*	369	405	*	*	*	387
09:00	*	*	307	296	*	*	*	302
10:00	*	*	233	253	*	*	*	243
11:00	*	*	157	179	*	*	*	168
Total	0	0	9544	9498	0	0	0	9522
Percentage	0.0%	0.0%	100.2%	99.7%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	597	633	-	-	-	615
PM Peak	-	-	16:00	16:00	-	-	-	16:00
Vol.	-	-	694	712	-	-	-	703

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/25/1																
3	0	1	10	19	15	2	0	0	0	0	0	0	0	0	0	47
01:00	1	0	1	5	5	1	0	0	0	0	0	0	0	0	0	13
02:00	0	0	2	7	3	0	0	0	0	0	0	0	0	0	0	12
03:00	0	0	0	4	3	1	2	0	0	0	0	0	0	0	0	10
04:00	0	0	2	6	11	6	4	0	0	0	0	0	0	0	0	29
05:00	0	1	9	26	19	14	4	0	0	0	0	0	0	0	0	73
06:00	2	4	17	35	52	20	7	0	0	0	0	0	0	0	0	137
07:00	15	8	40	97	58	15	2	0	0	0	0	0	0	0	0	235
08:00	61	34	88	102	36	4	1	0	0	0	0	0	0	0	0	326
09:00	17	27	61	85	43	13	1	0	0	0	0	0	0	0	0	247
10:00	14	15	38	87	56	6	1	0	0	0	0	0	0	0	0	217
11:00	22	16	55	88	61	6	1	0	0	0	0	0	0	0	0	249
12 PM	31	20	73	113	34	9	1	0	0	0	0	0	0	0	0	281
13:00	61	46	63	66	36	9	0	0	0	1	0	0	0	0	0	282
14:00	35	24	66	90	44	4	0	0	0	0	0	0	0	0	0	263
15:00	50	38	72	80	31	3	0	0	0	0	0	0	0	0	0	274
16:00	42	46	106	70	17	2	0	0	0	0	0	0	0	0	0	283
17:00	47	31	63	102	26	5	0	0	0	0	0	0	0	0	0	274
18:00	24	29	54	90	33	9	1	0	0	0	0	0	0	0	0	240
19:00	14	11	70	73	43	5	1	0	0	0	0	0	0	0	0	217
20:00	6	1	23	56	29	4	1	0	0	0	0	0	0	0	0	120
21:00	5	5	18	47	31	3	4	0	0	0	0	0	0	0	0	113
22:00	1	3	9	30	39	8	0	0	0	0	0	0	0	0	0	90
23:00	1	3	5	15	23	2	1	1	0	0	0	0	0	0	0	51
<b>Total</b>	<b>449</b>	<b>363</b>	<b>945</b>	<b>1393</b>	<b>748</b>	<b>151</b>	<b>32</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4083</b>

Daily

15th Percentile :	11 MPH
50th Percentile :	24 MPH
85th Percentile :	31 MPH
95th Percentile :	35 MPH

Mean Speed(Average) :	23 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	1995
Percent in Pace :	48.9%
Number of Vehicles > 30 MPH :	933
Percent of Vehicles > 30 MPH :	22.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/26/13	0	1	8	13	11	4	1	0	0	0	0	0	0	0	0	38
01:00	0	0	2	10	5	3	1	0	0	0	0	0	0	0	0	21
02:00	0	0	2	6	9	1	1	0	0	0	0	0	0	0	0	19
03:00	1	0	0	4	4	4	1	0	0	0	0	0	0	0	0	14
04:00	0	0	2	5	13	3	1	1	0	0	0	0	0	0	0	25
05:00	2	1	15	22	23	18	7	0	0	0	0	0	0	0	0	88
06:00	11	3	16	41	44	20	1	0	0	0	0	0	0	0	0	136
07:00	6	14	34	92	64	11	0	0	0	0	0	0	0	0	0	221
08:00	64	42	80	87	39	5	0	0	0	0	0	0	0	0	0	317
09:00	14	11	43	82	51	13	2	0	0	0	0	0	0	0	0	216
10:00	20	11	59	81	49	3	1	0	0	0	0	0	0	0	0	224
11:00	33	18	85	110	32	9	0	0	0	0	0	0	0	0	0	287
12 PM	48	45	92	79	17	3	1	0	0	0	0	0	0	0	0	285
13:00	27	23	91	78	46	5	0	0	0	0	0	0	0	0	0	270
14:00	31	39	71	97	40	3	0	0	0	0	0	0	0	0	0	281
15:00	38	22	54	118	34	3	0	0	0	0	0	0	0	0	0	269
16:00	49	51	100	63	20	0	0	0	0	0	0	0	0	0	0	283
17:00	47	22	53	94	36	7	1	0	0	0	0	0	0	0	0	260
18:00	16	6	57	98	45	7	0	0	0	0	0	0	0	0	0	229
19:00	11	7	59	83	33	4	2	0	0	0	0	0	0	0	0	199
20:00	4	7	27	77	37	5	0	0	0	0	0	0	0	0	0	157
21:00	6	0	11	45	38	5	1	0	0	0	0	0	0	0	0	106
22:00	7	5	19	34	20	4	4	0	0	0	0	0	0	0	0	93
23:00	3	2	10	19	20	6	3	0	0	0	0	0	0	0	0	63
<b>Total</b>	<b>438</b>	<b>330</b>	<b>990</b>	<b>1438</b>	<b>730</b>	<b>146</b>	<b>28</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4101</b>

Daily

15th Percentile : 11 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 2065  
 Percent in Pace : 50.4%  
 Number of Vehicles > 30 MPH : 905  
 Percent of Vehicles > 30 MPH : 22.1%

<b>Grand Total</b>	<b>887</b>	<b>693</b>	<b>1935</b>	<b>2831</b>	<b>1478</b>	<b>297</b>	<b>60</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8184</b>
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Overall

15th Percentile : 11 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 35 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 4059  
 Percent in Pace : 49.6%  
 Number of Vehicles > 30 MPH : 1838  
 Percent of Vehicles > 30 MPH : 22.5%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**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
09/25/1															
3	0	0	4	19	36	12	1	0	0	0	0	0	0	0	72
01:00	0	0	4	17	17	5	3	0	0	0	0	0	0	0	46
02:00	0	1	0	5	12	5	1	0	0	0	0	0	0	0	24
03:00	1	0	1	2	3	5	2	0	0	0	0	0	0	0	14
04:00	1	0	1	11	14	10	3	2	0	0	0	0	0	0	42
05:00	0	0	3	30	34	18	2	1	0	0	0	0	0	0	88
06:00	3	0	10	44	65	22	4	1	0	0	0	0	0	0	149
07:00	11	5	22	86	86	20	6	0	0	0	1	0	0	0	237
08:00	12	7	48	94	47	10	2	0	1	0	0	0	0	0	221
09:00	15	15	45	93	69	18	1	0	0	0	0	0	0	0	256
10:00	15	12	53	121	78	17	3	1	0	0	0	0	0	0	300
11:00	15	18	71	136	93	13	2	0	0	0	0	0	0	0	348
12 PM	13	12	89	156	68	18	2	0	0	0	0	0	0	0	358
13:00	18	15	61	138	81	15	0	0	1	0	0	0	0	0	329
14:00	37	46	72	111	78	20	1	0	0	0	0	0	0	0	365
15:00	32	27	142	138	41	7	0	0	0	0	0	0	0	0	387
16:00	50	47	144	112	51	5	2	0	0	0	0	0	0	0	411
17:00	21	21	140	171	54	12	1	0	0	0	0	0	0	0	420
18:00	14	22	103	163	72	12	1	0	0	0	0	0	0	0	387
19:00	15	12	79	126	73	8	2	0	0	0	0	0	0	0	315
20:00	7	2	54	92	70	23	1	0	0	0	0	0	0	0	249
21:00	5	1	30	85	56	15	1	0	0	1	0	0	0	0	194
22:00	0	2	14	49	59	16	3	0	0	0	0	0	0	0	143
23:00	2	1	12	31	48	11	1	0	0	0	0	0	0	0	106
<b>Total</b>	<b>287</b>	<b>266</b>	<b>1202</b>	<b>2030</b>	<b>1305</b>	<b>317</b>	<b>45</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5461</b>

Daily

15th Percentile :	18 MPH
50th Percentile :	26 MPH
85th Percentile :	33 MPH
95th Percentile :	36 MPH
Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	24-33 MPH
Number in Pace :	3089
Percent in Pace :	56.6%
Number of Vehicles > 30 MPH :	1676
Percent of Vehicles > 30 MPH :	30.7%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**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
09/26/13	0	0	9	11	25	8	1	0	0	0	0	0	0	0	54
01:00	1	1	2	6	12	4	0	0	0	0	0	0	0	0	26
02:00	0	0	0	3	16	4	0	2	0	0	0	0	0	0	25
03:00	0	0	1	5	9	5	1	0	0	0	0	0	0	0	21
04:00	1	0	0	6	17	7	2	0	0	0	0	0	0	0	33
05:00	0	0	3	18	29	19	4	0	0	0	0	0	0	0	73
06:00	5	6	15	46	57	18	2	0	0	0	0	0	0	0	149
07:00	9	3	22	82	76	16	4	2	0	0	0	0	0	0	214
08:00	14	13	49	85	45	10	1	0	0	0	0	0	0	0	217
09:00	9	19	62	111	74	14	2	0	0	0	0	0	0	0	291
10:00	12	7	61	131	66	22	1	1	0	0	0	0	0	0	301
11:00	12	28	86	151	57	11	1	0	0	0	0	0	0	0	346
12 PM	22	8	128	154	57	9	3	1	0	0	0	0	0	0	382
13:00	25	10	67	157	76	23	2	0	0	0	0	0	0	0	360
14:00	32	18	54	118	67	26	1	0	0	0	0	0	0	0	316
15:00	18	17	85	157	64	19	1	0	0	0	0	0	0	0	361
16:00	44	104	148	93	38	1	0	0	0	1	0	0	0	0	429
17:00	26	23	100	154	61	12	1	0	0	0	0	0	0	0	377
18:00	16	35	85	163	69	9	1	0	0	0	0	0	0	0	378
19:00	18	6	94	136	61	14	1	0	0	0	0	0	0	0	330
20:00	5	5	41	108	68	17	2	2	0	0	0	0	0	0	248
21:00	1	3	25	79	57	21	3	1	0	0	0	0	0	0	190
22:00	3	0	12	63	51	25	3	2	1	0	0	0	0	0	160
23:00	1	0	6	30	58	15	4	2	0	0	0	0	0	0	116
<b>Total</b>	<b>274</b>	<b>306</b>	<b>1155</b>	<b>2067</b>	<b>1210</b>	<b>329</b>	<b>41</b>	<b>13</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5397</b>

Daily

15th Percentile : 18 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 3045  
 Percent in Pace : 56.4%  
 Number of Vehicles > 30 MPH : 1595  
 Percent of Vehicles > 30 MPH : 29.6%

<b>Grand Total</b>	<b>561</b>	<b>572</b>	<b>2357</b>	<b>4097</b>	<b>2515</b>	<b>646</b>	<b>86</b>	<b>18</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10858</b>
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Overall

15th Percentile : 18 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 33 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 26 MPH  
 10 MPH Pace Speed : 24-33 MPH  
 Number in Pace : 6134  
 Percent in Pace : 56.5%  
 Number of Vehicles > 30 MPH : 3271  
 Percent of Vehicles > 30 MPH : 30.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB, SB**

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/25/1																
3	0	1	14	38	51	14	1	0	0	0	0	0	0	0	0	119
01:00	1	0	5	22	22	6	3	0	0	0	0	0	0	0	0	59
02:00	0	1	2	12	15	5	1	0	0	0	0	0	0	0	0	36
03:00	1	0	1	6	6	6	4	0	0	0	0	0	0	0	0	24
04:00	1	0	3	17	25	16	7	2	0	0	0	0	0	0	0	71
05:00	0	1	12	56	53	32	6	1	0	0	0	0	0	0	0	161
06:00	5	4	27	79	117	42	11	1	0	0	0	0	0	0	0	286
07:00	26	13	62	183	144	35	8	0	0	0	1	0	0	0	0	472
08:00	73	41	136	196	83	14	3	0	1	0	0	0	0	0	0	547
09:00	32	42	106	178	112	31	2	0	0	0	0	0	0	0	0	503
10:00	29	27	91	208	134	23	4	1	0	0	0	0	0	0	0	517
11:00	37	34	126	224	154	19	3	0	0	0	0	0	0	0	0	597
12 PM	44	32	162	269	102	27	3	0	0	0	0	0	0	0	0	639
13:00	79	61	124	204	117	24	0	0	1	1	0	0	0	0	0	611
14:00	72	70	138	201	122	24	1	0	0	0	0	0	0	0	0	628
15:00	82	65	214	218	72	10	0	0	0	0	0	0	0	0	0	661
16:00	92	93	250	182	68	7	2	0	0	0	0	0	0	0	0	694
17:00	68	52	203	273	80	17	1	0	0	0	0	0	0	0	0	694
18:00	38	51	157	253	105	21	2	0	0	0	0	0	0	0	0	627
19:00	29	23	149	199	116	13	3	0	0	0	0	0	0	0	0	532
20:00	13	3	77	148	99	27	2	0	0	0	0	0	0	0	0	369
21:00	10	6	48	132	87	18	5	0	0	1	0	0	0	0	0	307
22:00	1	5	23	79	98	24	3	0	0	0	0	0	0	0	0	233
23:00	3	4	17	46	71	13	2	1	0	0	0	0	0	0	0	157
Total	736	629	2147	3423	2053	468	77	6	2	2	1	0	0	0	0	9544

Daily

15th Percentile :	14 MPH
50th Percentile :	26 MPH
85th Percentile :	32 MPH
95th Percentile :	36 MPH
Mean Speed(Average) :	25 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	5054
Percent in Pace :	53.0%
Number of Vehicles > 30 MPH :	2609
Percent of Vehicles > 30 MPH :	27.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB, SB**

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/26/13	0	1	17	24	36	12	2	0	0	0	0	0	0	0	0	92
01:00	1	1	4	16	17	7	1	0	0	0	0	0	0	0	0	47
02:00	0	0	2	9	25	5	1	2	0	0	0	0	0	0	0	44
03:00	1	0	1	9	13	9	2	0	0	0	0	0	0	0	0	35
04:00	1	0	2	11	30	10	3	1	0	0	0	0	0	0	0	58
05:00	2	1	18	40	52	37	11	0	0	0	0	0	0	0	0	161
06:00	16	9	31	87	101	38	3	0	0	0	0	0	0	0	0	285
07:00	15	17	56	174	140	27	4	2	0	0	0	0	0	0	0	435
08:00	78	55	129	172	84	15	1	0	0	0	0	0	0	0	0	534
09:00	23	30	105	193	125	27	4	0	0	0	0	0	0	0	0	507
10:00	32	18	120	212	115	25	2	1	0	0	0	0	0	0	0	525
11:00	45	46	171	261	89	20	1	0	0	0	0	0	0	0	0	633
12 PM	70	53	220	233	74	12	4	1	0	0	0	0	0	0	0	667
13:00	52	33	158	235	122	28	2	0	0	0	0	0	0	0	0	630
14:00	63	57	125	215	107	29	1	0	0	0	0	0	0	0	0	597
15:00	56	39	139	275	98	22	1	0	0	0	0	0	0	0	0	630
16:00	93	155	248	156	58	1	0	0	0	1	0	0	0	0	0	712
17:00	73	45	153	248	97	19	2	0	0	0	0	0	0	0	0	637
18:00	32	41	142	261	114	16	1	0	0	0	0	0	0	0	0	607
19:00	29	13	153	219	94	18	3	0	0	0	0	0	0	0	0	529
20:00	9	12	68	185	105	22	2	2	0	0	0	0	0	0	0	405
21:00	7	3	36	124	95	26	4	1	0	0	0	0	0	0	0	296
22:00	10	5	31	97	71	29	7	2	1	0	0	0	0	0	0	253
23:00	4	2	16	49	78	21	7	2	0	0	0	0	0	0	0	179
<b>Total</b>	<b>712</b>	<b>636</b>	<b>2145</b>	<b>3505</b>	<b>1940</b>	<b>475</b>	<b>69</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9498</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 5092  
 Percent in Pace : 53.6%  
 Number of Vehicles > 30 MPH : 2500  
 Percent of Vehicles > 30 MPH : 26.3%

<b>Grand Total</b>	<b>1448</b>	<b>1265</b>	<b>4292</b>	<b>6928</b>	<b>3993</b>	<b>943</b>	<b>146</b>	<b>20</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19042</b>
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Overall

15th Percentile : 14 MPH  
 50th Percentile : 26 MPH  
 85th Percentile : 32 MPH  
 95th Percentile : 36 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 10146  
 Percent in Pace : 53.3%  
 Number of Vehicles > 30 MPH : 5109  
 Percent of Vehicles > 30 MPH : 26.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/25/1	3	0	41	6	0	0	0	0	0	0	0	0	0	0	47	0
01:00	0	11	1	0	0	0	0	0	0	0	0	0	0	1	13	0
02:00	0	8	4	0	0	0	0	0	0	0	0	0	0	0	12	0
03:00	0	7	2	1	0	0	0	0	0	0	0	0	0	0	10	1
04:00	0	25	4	0	0	0	0	0	0	0	0	0	0	0	29	0
05:00	0	56	16	0	1	0	0	0	0	0	0	0	0	0	73	1
06:00	1	96	32	0	6	0	0	0	0	0	0	0	0	2	137	6
07:00	1	169	44	3	6	1	0	1	0	0	0	0	0	10	235	11
08:00	0	224	65	3	8	1	0	1	0	0	0	0	0	24	326	13
09:00	1	171	53	4	4	2	0	1	0	0	0	0	0	11	247	11
10:00	2	160	38	0	5	0	0	0	0	0	0	0	0	12	217	5
11:00	3	183	37	1	9	0	0	1	0	0	0	0	0	15	249	11
12 PM	2	213	40	0	5	1	0	1	0	0	0	0	0	19	281	7
13:00	4	188	44	3	11	0	0	0	0	0	0	0	0	32	282	14
14:00	0	184	39	3	11	1	0	1	0	0	0	0	0	24	263	16
15:00	1	187	42	5	9	1	0	1	0	0	0	0	0	28	274	16
16:00	1	221	31	3	8	1	0	0	0	0	0	0	0	18	283	12
17:00	2	201	38	1	7	1	0	0	0	0	0	0	0	24	274	9
18:00	2	177	37	1	3	0	0	2	0	0	0	0	0	18	240	6
19:00	1	152	45	2	5	0	0	0	0	0	0	0	0	12	217	7
20:00	0	90	17	2	3	1	0	1	0	0	0	0	0	6	120	7
21:00	0	93	16	0	0	0	0	0	0	0	0	0	0	4	113	0
22:00	0	75	14	0	0	0	0	0	0	0	0	0	0	1	90	0
23:00	1	43	4	0	2	0	0	0	0	0	0	0	0	1	51	2
<b>Total</b>	<b>22</b>	<b>2975</b>	<b>669</b>	<b>32</b>	<b>103</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>262</b>	<b>4083</b>	<b>155</b>
<b>Percent</b>	<b>0.5%</b>	<b>72.9%</b>	<b>16.4%</b>	<b>0.8%</b>	<b>2.5%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.4%</b>		<b>3.8%</b>
<b>AM Peak</b>	<b>11:00</b>	<b>08:00</b>	<b>08:00</b>	<b>09:00</b>	<b>11:00</b>	<b>09:00</b>		<b>07:00</b>						<b>08:00</b>	<b>08:00</b>	<b>08:00</b>
<b>Vol.</b>	<b>3</b>	<b>224</b>	<b>65</b>	<b>4</b>	<b>9</b>	<b>2</b>		<b>1</b>						<b>24</b>	<b>326</b>	<b>13</b>
<b>PM Peak</b>	<b>13:00</b>	<b>16:00</b>	<b>19:00</b>	<b>15:00</b>	<b>13:00</b>	<b>12:00</b>		<b>18:00</b>						<b>13:00</b>	<b>16:00</b>	<b>14:00</b>
<b>Vol.</b>	<b>4</b>	<b>221</b>	<b>45</b>	<b>5</b>	<b>11</b>	<b>1</b>		<b>2</b>						<b>32</b>	<b>283</b>	<b>16</b>

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 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/26/1	3	0	31	5	0	1	0	0	1	0	0	0	0	0	38	2
01:00	0	19	2	0	0	0	0	0	0	0	0	0	0	0	21	0
02:00	0	18	1	0	0	0	0	0	0	0	0	0	0	0	19	0
03:00	0	10	0	1	3	0	0	0	0	0	0	0	0	0	14	4
04:00	1	17	5	0	1	1	0	0	0	0	0	0	0	0	25	2
05:00	0	67	16	0	4	0	0	0	0	0	0	0	0	1	88	4
06:00	0	86	36	1	5	0	0	0	0	0	0	0	0	8	136	6
07:00	1	165	37	2	8	2	0	1	0	0	0	0	0	5	221	13
08:00	2	229	47	1	10	1	0	1	0	0	0	0	0	26	317	13
09:00	1	154	37	1	10	0	0	1	0	0	0	0	0	12	216	12
10:00	1	164	30	1	6	3	0	2	0	0	0	0	0	17	224	12
11:00	3	199	51	3	7	1	0	0	1	0	0	0	0	22	287	12
12 PM	2	202	37	5	8	1	0	1	0	0	0	0	0	29	285	15
13:00	5	192	43	1	12	0	0	1	0	0	0	0	0	16	270	14
14:00	2	209	37	3	6	3	0	3	0	0	0	0	0	18	281	15
15:00	2	200	36	2	6	1	0	0	0	0	0	0	0	22	269	9
16:00	1	211	30	1	9	0	0	0	0	0	0	0	0	31	283	10
17:00	3	182	34	1	9	0	0	0	0	0	0	0	0	31	260	10
18:00	1	169	40	0	3	0	0	1	0	0	0	0	0	15	229	4
19:00	1	157	30	1	1	0	0	0	0	0	0	0	0	9	199	2
20:00	1	127	22	1	2	0	0	0	0	0	0	0	0	4	157	3
21:00	1	89	7	0	3	0	0	0	1	0	0	0	0	5	106	4
22:00	1	71	13	1	0	0	0	0	0	0	0	0	0	7	93	1
23:00	0	48	11	0	0	0	0	1	0	0	0	0	0	3	63	1
<b>Total</b>	<b>29</b>	<b>3016</b>	<b>607</b>	<b>26</b>	<b>114</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>281</b>	<b>4101</b>	<b>168</b>
<b>Percent</b>	<b>0.7%</b>	<b>73.5%</b>	<b>14.8%</b>	<b>0.6%</b>	<b>2.8%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.9%</b>		<b>4.1%</b>
<b>AM Peak Vol.</b>	<b>3</b>	<b>229</b>	<b>51</b>	<b>3</b>	<b>10</b>	<b>3</b>		<b>2</b>	<b>1</b>					<b>26</b>	<b>317</b>	<b>13</b>
<b>PM Peak Vol.</b>	<b>5</b>	<b>211</b>	<b>43</b>	<b>5</b>	<b>12</b>	<b>3</b>		<b>3</b>	<b>1</b>					<b>31</b>	<b>285</b>	<b>15</b>
<b>Grand Total</b>	<b>51</b>	<b>5991</b>	<b>1276</b>	<b>58</b>	<b>217</b>	<b>23</b>	<b>0</b>	<b>23</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>543</b>	<b>8184</b>	<b>323</b>
<b>Percent</b>	<b>0.6%</b>	<b>73.2%</b>	<b>15.6%</b>	<b>0.7%</b>	<b>2.7%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>6.6%</b>		<b>3.9%</b>

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Community: Brockton  
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 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
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 Warren Ave, south of Belmont St (123)

SB

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/25/1	3	0	59	11	0	2	0	0	0	0	0	0	0	0	72	2
01:00	0	35	11	0	0	0	0	0	0	0	0	0	0	0	46	0
02:00	0	15	7	0	2	0	0	0	0	0	0	0	0	0	24	2
03:00	0	8	6	0	0	0	0	0	0	0	0	0	0	0	14	0
04:00	0	26	11	0	5	0	0	0	0	0	0	0	0	0	42	5
05:00	0	55	26	2	4	0	0	1	0	0	0	0	0	0	88	7
06:00	0	100	37	3	5	1	0	0	0	0	0	0	0	3	149	9
07:00	1	149	62	4	10	2	0	0	0	0	0	0	0	9	237	16
08:00	3	130	57	8	12	2	0	1	0	0	0	0	0	8	221	23
09:00	2	159	65	6	7	2	0	0	0	0	0	0	0	15	256	15
10:00	1	183	74	4	26	1	0	2	0	0	0	0	0	9	300	33
11:00	0	227	71	5	27	1	0	3	0	1	0	0	0	13	348	37
12 PM	0	240	73	3	25	1	0	3	0	0	0	0	0	13	358	32
13:00	2	222	65	2	16	3	0	3	0	0	0	0	0	16	329	24
14:00	5	232	74	7	17	1	0	2	0	0	0	0	0	27	365	27
15:00	0	256	81	5	13	3	0	5	0	0	0	0	0	24	387	26
16:00	4	284	65	8	17	0	0	5	0	0	0	0	0	28	411	30
17:00	1	284	87	5	18	2	0	5	0	1	0	0	0	17	420	31
18:00	5	273	75	1	15	0	0	5	0	0	0	0	0	13	387	21
19:00	3	210	70	1	9	3	0	3	0	0	0	0	0	16	315	16
20:00	1	165	68	1	6	0	0	1	0	0	0	0	0	7	249	8
21:00	1	146	39	1	5	0	0	0	0	0	0	0	0	2	194	6
22:00	0	102	40	0	0	0	0	0	1	0	0	0	0	0	143	1
23:00	0	78	22	0	3	1	0	0	0	0	0	0	0	2	106	4
Total	29	3638	1197	66	244	23	0	39	1	2	0	0	0	222	5461	375
Percent	0.5%	66.6%	21.9%	1.2%	4.5%	0.4%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%		6.9%
AM Peak Vol.	08:00	11:00	10:00	08:00	11:00	07:00		11:00		11:00				09:00	11:00	11:00
PM Peak Vol.	14:00	16:00	17:00	16:00	12:00	13:00		15:00	22:00	17:00				16:00	17:00	12:00
	5	284	87	8	25	3		5	1	1				28	420	32

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**SB**

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09/26/1	3	0	35	16	0	3	0	0	0	0	0	0	0	0	54	3
01:00	1	19	4	0	1	0	0	0	0	0	0	0	0	1	26	1
02:00	0	15	9	0	1	0	0	0	0	0	0	0	0	0	25	1
03:00	0	14	6	0	1	0	0	0	0	0	0	0	0	0	21	1
04:00	0	19	11	0	2	0	0	0	0	0	0	0	0	1	33	2
05:00	0	49	16	0	6	2	0	0	0	0	0	0	0	0	73	8
06:00	1	91	40	4	8	0	0	1	0	0	0	0	0	4	149	13
07:00	2	125	57	5	12	0	0	4	0	0	0	0	0	9	214	21
08:00	3	116	53	10	18	3	0	1	0	0	0	0	0	13	217	32
09:00	3	170	78	6	18	4	0	3	0	0	0	0	0	9	291	31
10:00	2	203	59	2	19	4	0	1	0	0	0	0	0	11	301	26
11:00	5	234	71	1	19	3	0	3	0	0	0	0	0	10	346	26
12 PM	2	242	96	5	16	1	0	4	0	0	0	0	0	16	382	26
13:00	3	217	95	3	20	1	1	3	0	0	0	0	0	17	360	28
14:00	4	198	63	6	15	2	0	2	0	1	0	0	0	25	316	26
15:00	1	250	73	3	12	2	0	4	0	0	0	0	0	16	361	21
16:00	5	275	104	3	15	1	0	1	0	0	0	0	0	25	429	20
17:00	5	253	81	2	12	3	0	2	0	0	0	0	0	19	377	19
18:00	0	270	80	3	11	2	0	1	0	0	0	0	0	11	378	17
19:00	1	245	61	1	12	1	0	0	0	0	0	0	0	9	330	14
20:00	3	183	44	1	9	0	0	2	1	0	0	0	0	5	248	13
21:00	1	140	43	2	1	0	0	2	0	0	0	0	0	1	190	5
22:00	0	123	31	1	1	1	0	0	0	0	0	0	0	3	160	3
23:00	0	89	23	0	3	0	0	0	0	0	0	0	0	1	116	3
<b>Total</b>	<b>42</b>	<b>3575</b>	<b>1214</b>	<b>58</b>	<b>235</b>	<b>30</b>	<b>1</b>	<b>34</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>206</b>	<b>5397</b>	<b>360</b>
<b>Percent</b>	<b>0.8%</b>	<b>66.2%</b>	<b>22.5%</b>	<b>1.1%</b>	<b>4.4%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>3.8%</b>		<b>6.7%</b>
<b>AM Peak</b>	11:00	11:00	09:00	08:00	10:00	09:00		07:00						08:00	11:00	08:00
<b>Vol.</b>	5	234	78	10	19	4		4						13	346	32
<b>PM Peak</b>	16:00	16:00	16:00	14:00	13:00	17:00	13:00	12:00	20:00	14:00				14:00	16:00	13:00
<b>Vol.</b>	5	275	104	6	20	3	1	4	1	1				25	429	28
<b>Grand Total</b>	71	7213	2411	124	479	53	1	73	2	3	0	0	0	428	10858	735
<b>Percent</b>	0.7%	66.4%	22.2%	1.1%	4.4%	0.5%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%		6.8%



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09/25/1	3	0	100	17	0	2	0	0	0	0	0	0	0	0	119	2
01:00	0	46	12	0	0	0	0	0	0	0	0	0	0	1	59	0
02:00	0	23	11	0	2	0	0	0	0	0	0	0	0	0	36	2
03:00	0	15	8	1	0	0	0	0	0	0	0	0	0	0	24	1
04:00	0	51	15	0	5	0	0	0	0	0	0	0	0	0	71	5
05:00	0	111	42	2	5	0	0	1	0	0	0	0	0	0	161	8
06:00	1	196	69	3	11	1	0	0	0	0	0	0	0	5	286	15
07:00	2	318	106	7	16	3	0	1	0	0	0	0	0	19	472	27
08:00	3	354	122	11	20	3	0	2	0	0	0	0	0	32	547	36
09:00	3	330	118	10	11	4	0	1	0	0	0	0	0	26	503	26
10:00	3	343	112	4	31	1	0	2	0	0	0	0	0	21	517	38
11:00	3	410	108	6	36	1	0	4	0	1	0	0	0	28	597	48
12 PM	2	453	113	3	30	2	0	4	0	0	0	0	0	32	639	39
13:00	6	410	109	5	27	3	0	3	0	0	0	0	0	48	611	38
14:00	5	416	113	10	28	2	0	3	0	0	0	0	0	51	628	43
15:00	1	443	123	10	22	4	0	6	0	0	0	0	0	52	661	42
16:00	5	505	96	11	25	1	0	5	0	0	0	0	0	46	694	42
17:00	3	485	125	6	25	3	0	5	0	1	0	0	0	41	694	40
18:00	7	450	112	2	18	0	0	7	0	0	0	0	0	31	627	27
19:00	4	362	115	3	14	3	0	3	0	0	0	0	0	28	532	23
20:00	1	255	85	3	9	1	0	2	0	0	0	0	0	13	369	15
21:00	1	239	55	1	5	0	0	0	0	0	0	0	0	6	307	6
22:00	0	177	54	0	0	0	0	0	1	0	0	0	0	1	233	1
23:00	1	121	26	0	5	1	0	0	0	0	0	0	0	3	157	6
<b>Total</b>	<b>51</b>	<b>6613</b>	<b>1866</b>	<b>98</b>	<b>347</b>	<b>33</b>	<b>0</b>	<b>49</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>484</b>	<b>9544</b>	<b>530</b>
<b>Percent</b>	<b>0.5%</b>	<b>69.3%</b>	<b>19.6%</b>	<b>1.0%</b>	<b>3.6%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.1%</b>		<b>5.6%</b>
<b>AM Peak Vol.</b>	08:00	11:00	08:00	08:00	11:00	09:00		11:00		11:00				08:00	11:00	11:00
<b>PM Peak Vol.</b>	18:00	16:00	17:00	16:00	12:00	15:00		18:00	22:00	17:00				15:00	16:00	14:00
	3	410	122	11	36	4		4		1				32	597	48
	7	505	125	11	30	4		7	1	1				52	694	43

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19645  
 Layout: L6 Basic (2')

Station ID: 7018  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Warren Ave, south of Belmont St (123)

**NB, SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/26/1																
3	0	66	21	0	4	0	0	1	0	0	0	0	0	0	92	5
01:00	1	38	6	0	1	0	0	0	0	0	0	0	0	1	47	1
02:00	0	33	10	0	1	0	0	0	0	0	0	0	0	0	44	1
03:00	0	24	6	1	4	0	0	0	0	0	0	0	0	0	35	5
04:00	1	36	16	0	3	1	0	0	0	0	0	0	0	1	58	4
05:00	0	116	32	0	10	2	0	0	0	0	0	0	0	1	161	12
06:00	1	177	76	5	13	0	0	1	0	0	0	0	0	12	285	19
07:00	3	290	94	7	20	2	0	5	0	0	0	0	0	14	435	34
08:00	5	345	100	11	28	4	0	2	0	0	0	0	0	39	534	45
09:00	4	324	115	7	28	4	0	4	0	0	0	0	0	21	507	43
10:00	3	367	89	3	25	7	0	3	0	0	0	0	0	28	525	38
11:00	8	433	122	4	26	4	0	3	1	0	0	0	0	32	633	38
12 PM	4	444	133	10	24	2	0	5	0	0	0	0	0	45	667	41
13:00	8	409	138	4	32	1	1	4	0	0	0	0	0	33	630	42
14:00	6	407	100	9	21	5	0	5	0	1	0	0	0	43	597	41
15:00	3	450	109	5	18	3	0	4	0	0	0	0	0	38	630	30
16:00	6	486	134	4	24	1	0	1	0	0	0	0	0	56	712	30
17:00	8	435	115	3	21	3	0	2	0	0	0	0	0	50	637	29
18:00	1	439	120	3	14	2	0	2	0	0	0	0	0	26	607	21
19:00	2	402	91	2	13	1	0	0	0	0	0	0	0	18	529	16
20:00	4	310	66	2	11	0	0	2	1	0	0	0	0	9	405	16
21:00	2	229	50	2	4	0	0	2	1	0	0	0	0	6	296	9
22:00	1	194	44	2	1	1	0	0	0	0	0	0	0	10	253	4
23:00	0	137	34	0	3	0	0	1	0	0	0	0	0	4	179	4
<b>Total</b>	<b>71</b>	<b>6591</b>	<b>1821</b>	<b>84</b>	<b>349</b>	<b>43</b>	<b>1</b>	<b>47</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>487</b>	<b>9498</b>	<b>528</b>
<b>Percent</b>	<b>0.7%</b>	<b>69.4%</b>	<b>19.2%</b>	<b>0.9%</b>	<b>3.7%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.1%</b>		<b>5.6%</b>
<b>AM Peak Vol.</b>	<b>8</b>	<b>433</b>	<b>122</b>	<b>11</b>	<b>28</b>	<b>7</b>		<b>5</b>	<b>1</b>					<b>39</b>	<b>633</b>	<b>45</b>
<b>PM Peak Vol.</b>	<b>8</b>	<b>486</b>	<b>138</b>	<b>10</b>	<b>32</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>1</b>				<b>56</b>	<b>712</b>	<b>42</b>
<b>Grand Total</b>	<b>122</b>	<b>13204</b>	<b>3687</b>	<b>182</b>	<b>696</b>	<b>76</b>	<b>1</b>	<b>96</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>971</b>	<b>19042</b>	<b>1058</b>
<b>Percent</b>	<b>0.6%</b>	<b>69.3%</b>	<b>19.4%</b>	<b>1.0%</b>	<b>3.7%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.1%</b>		<b>5.6%</b>

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

Start Time	23-Sep-13		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	*	*	*	*	13	14	13	13	*	*	*	*	*	*	13	14
01:00	*	*	*	*	7	5	6	9	*	*	*	*	*	*	6	7
02:00	*	*	*	*	2	5	6	9	*	*	*	*	*	*	4	7
03:00	*	*	*	*	6	3	5	1	*	*	*	*	*	*	6	2
04:00	*	*	*	*	17	7	10	11	*	*	*	*	*	*	14	9
05:00	*	*	*	*	30	12	35	14	*	*	*	*	*	*	32	13
06:00	*	*	*	*	102	44	106	46	*	*	*	*	*	*	104	45
07:00	*	*	*	*	<b>117</b>	<b>84</b>	<b>116</b>	<b>77</b>	*	*	*	*	*	*	<b>116</b>	<b>80</b>
08:00	*	*	*	*	105	68	92	71	*	*	*	*	*	*	98	70
09:00	*	*	*	*	66	72	61	53	*	*	*	*	*	*	64	62
10:00	*	*	*	*	69	61	72	68	*	*	*	*	*	*	70	64
11:00	*	*	*	*	73	70	77	71	*	*	*	*	*	*	75	70
12:00 PM	*	*	*	*	71	85	89	91	*	*	*	*	*	*	80	88
01:00	*	*	*	*	95	94	68	87	*	*	*	*	*	*	82	90
02:00	*	*	*	*	100	98	98	83	*	*	*	*	*	*	99	90
03:00	*	*	*	*	110	<b>135</b>	107	107	*	*	*	*	*	*	108	<b>121</b>
04:00	*	*	*	*	114	124	102	103	*	*	*	*	*	*	108	114
05:00	*	*	*	*	104	124	97	<b>118</b>	*	*	*	*	*	*	100	121
06:00	*	*	*	*	<b>119</b>	108	<b>109</b>	113	*	*	*	*	*	*	<b>114</b>	110
07:00	*	*	*	*	90	96	90	113	*	*	*	*	*	*	90	104
08:00	*	*	*	*	61	76	51	74	*	*	*	*	*	*	56	75
09:00	*	*	*	*	50	58	50	59	*	*	*	*	*	*	50	58
10:00	*	*	*	*	34	45	39	41	*	*	*	*	*	*	36	43
11:00	*	*	*	*	21	31	38	41	*	*	*	*	*	*	30	36
Total Day	0	0	0	0	1576	1519	1537	1473	0	0	0	0	0	0	1555	1493
AM Peak	-	-	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	117	84	116	77	-	-	-	-	-	-	116	80
PM Peak	-	-	-	-	18:00	15:00	18:00	17:00	-	-	-	-	-	-	18:00	15:00
Vol.	-	-	-	-	119	135	109	118	-	-	-	-	-	-	114	121

Comb. Total	0	0	3095	3010	0	0	0	3048
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

Start Time	25-Sep-13		NB		SB		Combined		26-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			4	22	4	29	8	51			5	19	4	16	9	35
12:15			5	19	3	22	8	41			1	23	4	25	5	48
12:30			2	17	5	20	7	37			5	20	4	25	9	45
12:45			2	13	2	14	4	27			2	27	1	25	3	52
01:00			2	29	0	19	2	48			1	19	5	24	6	43
01:15			4	30	2	26	6	56			4	19	1	20	5	39
01:30			1	16	2	29	3	45			1	15	0	21	1	36
01:45			0	20	1	20	1	40			0	15	3	22	3	37
02:00			2	22	1	23	3	45			2	21	4	18	6	39
02:15			0	30	2	23	2	53			2	34	2	23	4	57
02:30			0	25	1	21	1	46			1	20	1	20	2	40
02:45			0	23	1	31	1	54			1	23	2	22	3	45
03:00			1	19	2	26	3	45			1	23	0	29	1	52
03:15			0	<b>36</b>	0	<b>34</b>	0	<b>70</b>			0	27	1	25	1	52
03:30			3	<b>24</b>	0	<b>42</b>	3	<b>66</b>			2	26	0	30	2	56
03:45			2	<b>31</b>	1	<b>33</b>	3	<b>64</b>			2	31	0	23	2	54
04:00			2	<b>32</b>	2	26	4	<b>58</b>			2	23	0	24	2	47
04:15			4	25	1	31	5	56			2	29	4	23	6	52
04:30			6	29	2	41	8	70			3	28	5	32	8	60
04:45			5	28	2	26	7	54			3	22	2	24	5	46
05:00			8	25	4	30	12	55			6	26	3	28	9	54
05:15			5	31	1	31	6	62			7	20	4	26	11	46
05:30			9	26	4	27	13	53			11	29	3	<b>34</b>	14	<b>63</b>
05:45			8	22	3	36	11	58			11	22	4	<b>30</b>	15	<b>52</b>
06:00			23	31	8	33	31	64			18	29	7	<b>39</b>	25	<b>68</b>
06:15			17	29	6	23	23	52			22	22	3	<b>29</b>	25	<b>51</b>
06:30			24	30	9	30	33	60			23	<b>28</b>	9	23	32	51
06:45			<b>38</b>	29	21	22	<b>59</b>	51			<b>43</b>	<b>30</b>	<b>27</b>	22	<b>70</b>	52
07:00			<b>34</b>	25	21	26	<b>55</b>	51			<b>28</b>	<b>29</b>	<b>23</b>	22	<b>51</b>	51
07:15			<b>25</b>	31	22	22	<b>47</b>	53			<b>25</b>	<b>25</b>	<b>16</b>	30	<b>41</b>	55
07:30			<b>28</b>	14	24	20	<b>52</b>	34			<b>31</b>	14	<b>22</b>	34	<b>53</b>	48
07:45			30	20	17	28	47	48			32	22	16	27	48	49
08:00			27	14	19	15	46	29			19	11	19	10	38	21
08:15			20	16	8	16	28	32			27	12	16	26	43	38
08:30			29	15	15	16	44	31			23	14	18	18	41	32
08:45			29	16	<b>26</b>	29	55	45			23	14	18	20	41	34
09:00			20	13	<b>23</b>	16	43	29			20	10	19	13	39	23
09:15			18	15	<b>18</b>	18	36	33			12	12	10	20	22	32
09:30			16	14	<b>22</b>	14	38	28			15	14	12	17	27	31
09:45			12	8	9	10	21	18			14	14	12	9	26	23
10:00			19	13	14	17	33	30			20	13	14	11	34	24
10:15			13	9	14	7	27	16			19	10	15	10	34	20
10:30			17	6	19	10	36	16			13	11	21	11	34	22
10:45			20	6	14	11	34	17			20	5	18	9	38	14
11:00			21	9	21	7	42	16			22	9	10	16	32	25
11:15			17	5	19	6	36	11			16	13	14	7	30	20
11:30			22	4	14	10	36	14			18	12	22	8	40	20
11:45			13	3	16	8	29	11			21	4	25	10	46	14
Total			607	969	445	1074	1052	2043			599	938	443	1030	1042	1968
Day Total			1576		1519		3095				1537		1473		3010	
% Total			19.6%	31.3%	14.4%	34.7%					19.9%	31.2%	14.7%	34.2%		
Peak	-		06:45	03:15	08:45	03:00	06:45	03:15	-		06:45	06:30	06:45	05:30	06:45	05:30
Vol.	-		125	123	89	135	213	258	-		127	112	88	132	215	234
P.H.F.			0.822	0.854	0.856	0.804	0.903	0.921			0.738	0.933	0.815	0.846	0.768	0.860

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	27	26	*	*	*	26
01:00	*	*	12	15	*	*	*	14
02:00	*	*	7	15	*	*	*	11
03:00	*	*	9	6	*	*	*	8
04:00	*	*	24	21	*	*	*	22
05:00	*	*	42	49	*	*	*	46
06:00	*	*	146	152	*	*	*	149
07:00	*	*	<b>201</b>	<b>193</b>	*	*	*	<b>197</b>
08:00	*	*	173	163	*	*	*	168
09:00	*	*	138	114	*	*	*	126
10:00	*	*	130	140	*	*	*	135
11:00	*	*	143	148	*	*	*	146
12:00 PM	*	*	156	180	*	*	*	168
01:00	*	*	189	155	*	*	*	172
02:00	*	*	198	181	*	*	*	190
03:00	*	*	<b>245</b>	214	*	*	*	<b>230</b>
04:00	*	*	238	205	*	*	*	222
05:00	*	*	228	215	*	*	*	222
06:00	*	*	227	<b>222</b>	*	*	*	224
07:00	*	*	186	203	*	*	*	194
08:00	*	*	137	125	*	*	*	131
09:00	*	*	108	109	*	*	*	108
10:00	*	*	79	80	*	*	*	80
11:00	*	*	52	79	*	*	*	66
Total	0	0	3095	3010	0	0	0	3055
Percentage	0.0%	0.0%	101.3%	98.5%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	07:00
Vol.	-	-	201	193	-	-	-	197
PM Peak	-	-	15:00	18:00	-	-	-	15:00
Vol.	-	-	245	222	-	-	-	230

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/25/1																
3	0	0	1	2	3	4	3	0	0	0	0	0	0	0	0	13
01:00	0	0	0	4	1	2	0	0	0	0	0	0	0	0	0	7
02:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	2	3	0	0	0	0	0	0	0	0	6
04:00	2	1	1	4	4	3	1	0	1	0	0	0	0	0	0	17
05:00	0	0	3	12	9	5	1	0	0	0	0	0	0	0	0	30
06:00	3	1	4	22	36	24	10	2	0	0	0	0	0	0	0	102
07:00	1	4	6	26	38	32	8	2	0	0	0	0	0	0	0	117
08:00	0	2	3	29	36	28	7	0	0	0	0	0	0	0	0	105
09:00	0	0	3	8	31	16	6	2	0	0	0	0	0	0	0	66
10:00	1	1	7	17	25	15	3	0	0	0	0	0	0	0	0	69
11:00	1	0	6	19	29	8	8	2	0	0	0	0	0	0	0	73
12 PM	2	2	3	14	28	18	3	0	1	0	0	0	0	0	0	71
13:00	3	6	7	23	36	14	4	2	0	0	0	0	0	0	0	95
14:00	4	2	15	33	29	12	5	0	0	0	0	0	0	0	0	100
15:00	7	5	12	36	39	8	3	0	0	0	0	0	0	0	0	110
16:00	0	4	12	32	46	14	5	1	0	0	0	0	0	0	0	114
17:00	2	2	14	30	33	15	7	1	0	0	0	0	0	0	0	104
18:00	3	4	15	41	38	15	3	0	0	0	0	0	0	0	0	119
19:00	3	2	15	32	23	10	4	1	0	0	0	0	0	0	0	90
20:00	3	0	7	16	20	13	2	0	0	0	0	0	0	0	0	61
21:00	1	2	5	17	17	4	2	1	0	0	1	0	0	0	0	50
22:00	4	1	1	10	11	6	1	0	0	0	0	0	0	0	0	34
23:00	1	2	2	6	5	3	0	1	0	0	0	0	0	0	1	21
<b>Total</b>	<b>41</b>	<b>41</b>	<b>142</b>	<b>434</b>	<b>537</b>	<b>271</b>	<b>90</b>	<b>16</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1576</b>

Daily  
     15th Percentile : 23 MPH  
     50th Percentile : 30 MPH  
     85th Percentile : 37 MPH  
     95th Percentile : 41 MPH  
  
     Mean Speed(Average) : 31 MPH  
     10 MPH Pace Speed : 27-36 MPH  
     Number in Pace : 886  
     Percent in Pace : 56.3%  
     Number of Vehicles > 30 MPH : 918  
     Percent of Vehicles > 30 MPH : 58.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/26/13																
01:00	1	0	0	5	4	3	0	0	0	0	0	0	0	0	0	13
02:00	1	0	0	2	2	1	0	0	0	0	0	0	0	0	0	6
03:00	0	0	2	1	2	1	0	0	0	0	0	0	0	0	0	6
04:00	0	0	0	0	0	1	3	0	1	0	0	0	0	0	0	5
05:00	1	1	3	1	1	2	1	0	0	0	0	0	0	0	0	10
06:00	0	1	1	14	9	7	3	0	0	0	0	0	0	0	0	35
07:00	3	0	8	33	38	21	3	0	0	0	0	0	0	0	0	106
08:00	1	5	8	27	52	19	4	0	0	0	0	0	0	0	0	116
09:00	3	6	14	16	35	17	1	0	0	0	0	0	0	0	0	92
10:00	1	1	2	22	13	14	6	2	0	0	0	0	0	0	0	61
11:00	2	4	8	22	16	14	4	0	2	0	0	0	0	0	0	72
12 PM	0	1	6	21	28	13	7	0	1	0	0	0	0	0	0	77
13:00	1	2	11	21	29	15	9	1	0	0	0	0	0	0	0	89
14:00	2	0	3	23	24	12	4	0	0	0	0	0	0	0	0	68
15:00	1	3	6	30	29	22	7	0	0	0	0	0	0	0	0	98
16:00	2	3	5	31	44	16	4	2	0	0	0	0	0	0	0	107
17:00	1	4	11	32	34	17	3	0	0	0	0	0	0	0	0	102
18:00	1	3	10	32	35	13	2	1	0	0	0	0	0	0	0	97
19:00	2	0	6	40	42	16	2	1	0	0	0	0	0	0	0	109
20:00	0	6	11	27	31	13	2	0	0	0	0	0	0	0	0	90
21:00	4	0	4	11	19	9	3	1	0	0	0	0	0	0	0	51
22:00	3	0	9	8	19	9	1	1	0	0	0	0	0	0	0	50
23:00	0	2	4	12	12	8	0	1	0	0	0	0	0	0	0	39
<b>Total</b>	<b>31</b>	<b>44</b>	<b>134</b>	<b>441</b>	<b>531</b>	<b>269</b>	<b>73</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1537</b>

Daily  
 15th Percentile : 23 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 41 MPH  
  
 Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 888  
 Percent in Pace : 57.8%  
 Number of Vehicles > 30 MPH : 887  
 Percent of Vehicles > 30 MPH : 57.7%

<b>Grand Total</b>	<b>72</b>	<b>85</b>	<b>276</b>	<b>875</b>	<b>1068</b>	<b>540</b>	<b>163</b>	<b>26</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3113</b>
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Overall  
 15th Percentile : 23 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 41 MPH  
  
 Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 1774  
 Percent in Pace : 57.0%  
 Number of Vehicles > 30 MPH : 1805  
 Percent of Vehicles > 30 MPH : 58.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**SB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/25/1																
3	0	0	3	6	0	2	3	0	0	0	0	0	0	0	0	14
01:00	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	5
02:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5
03:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
04:00	0	1	2	1	0	3	0	0	0	0	0	0	0	0	0	7
05:00	0	1	2	6	1	1	1	0	0	0	0	0	0	0	0	12
06:00	1	1	9	12	13	5	3	0	0	0	0	0	0	0	0	44
07:00	2	4	5	22	31	16	4	0	0	0	0	0	0	0	0	84
08:00	1	0	12	27	22	3	3	0	0	0	0	0	0	0	0	68
09:00	2	2	5	17	29	9	8	0	0	0	0	0	0	0	0	72
10:00	1	2	9	15	22	10	2	0	0	0	0	0	0	0	0	61
11:00	2	0	6	32	21	7	1	1	0	0	0	0	0	0	0	70
12 PM	2	4	10	28	29	10	1	1	0	0	0	0	0	0	0	85
13:00	2	3	10	35	31	12	1	0	0	0	0	0	0	0	0	94
14:00	2	6	14	31	36	8	1	0	0	0	0	0	0	0	0	98
15:00	5	9	25	56	25	12	3	0	0	0	0	0	0	0	0	135
16:00	1	13	18	44	35	10	2	0	1	0	0	0	0	0	0	124
17:00	0	1	19	51	38	14	0	1	0	0	0	0	0	0	0	124
18:00	0	4	23	40	33	6	2	0	0	0	0	0	0	0	0	108
19:00	6	7	18	41	20	2	1	1	0	0	0	0	0	0	0	96
20:00	3	2	14	29	23	4	1	0	0	0	0	0	0	0	0	76
21:00	3	1	6	24	18	5	0	1	0	0	0	0	0	0	0	58
22:00	0	2	9	11	17	2	4	0	0	0	0	0	0	0	0	45
23:00	1	1	4	9	8	7	1	0	0	0	0	0	0	0	0	31
<b>Total</b>	<b>34</b>	<b>64</b>	<b>223</b>	<b>539</b>	<b>456</b>	<b>153</b>	<b>44</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1519</b>

Daily

15th Percentile :	21 MPH
50th Percentile :	28 MPH
85th Percentile :	35 MPH
95th Percentile :	39 MPH

Mean Speed(Average) :	29 MPH
10 MPH Pace Speed :	25-34 MPH
Number in Pace :	889
Percent in Pace :	58.5%
Number of Vehicles > 30 MPH :	659
Percent of Vehicles > 30 MPH :	43.4%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**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
09/26/13															
01:00	1	1	1	4	3	1	2	0	0	0	0	0	0	0	13
02:00	0	0	2	5	1	1	0	0	0	0	0	0	0	0	9
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	1	2	5	2	0	1	0	0	0	0	0	0	11
05:00	0	1	2	4	5	2	0	0	0	0	0	0	0	0	14
06:00	1	2	6	22	10	4	1	0	0	0	0	0	0	0	46
07:00	4	2	11	24	28	6	2	0	0	0	0	0	0	0	77
08:00	1	1	19	23	22	3	1	0	1	0	0	0	0	0	71
09:00	1	5	7	21	15	4	0	0	0	0	0	0	0	0	53
10:00	1	4	5	33	17	6	2	0	0	0	0	0	0	0	68
11:00	1	3	9	24	22	11	1	0	0	0	0	0	0	0	71
12 PM	5	6	7	28	29	12	3	0	1	0	0	0	0	0	91
13:00	5	2	9	38	27	4	2	0	0	0	0	0	0	0	87
14:00	1	1	11	31	31	8	0	0	0	0	0	0	0	0	83
15:00	4	3	13	35	32	16	4	0	0	0	0	0	0	0	107
16:00	2	5	10	37	36	10	3	0	0	0	0	0	0	0	103
17:00	4	2	21	41	36	13	1	0	0	0	0	0	0	0	118
18:00	2	4	8	54	33	10	0	1	1	0	0	0	0	0	113
19:00	2	3	20	52	25	10	1	0	0	0	0	0	0	0	113
20:00	3	5	10	26	20	9	1	0	0	0	0	0	0	0	74
21:00	1	1	11	26	17	3	0	0	0	0	0	0	0	0	59
22:00	0	3	6	11	17	2	1	1	0	0	0	0	0	0	41
23:00	0	1	5	14	13	5	3	0	0	0	0	0	0	0	41
<b>Total</b>	<b>40</b>	<b>55</b>	<b>195</b>	<b>558</b>	<b>447</b>	<b>142</b>	<b>30</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1473</b>

Daily

15th Percentile : 21 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 892  
 Percent in Pace : 60.6%  
 Number of Vehicles > 30 MPH : 625  
 Percent of Vehicles > 30 MPH : 42.4%

<b>Grand Total</b>	<b>74</b>	<b>119</b>	<b>418</b>	<b>1097</b>	<b>903</b>	<b>295</b>	<b>74</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2992</b>
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Overall

15th Percentile : 21 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 1781  
 Percent in Pace : 59.5%  
 Number of Vehicles > 30 MPH : 1284  
 Percent of Vehicles > 30 MPH : 42.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**NB, SB**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/25/1															
3	0	0	4	8	3	6	6	0	0	0	0	0	0	0	27
01:00	0	0	0	5	2	4	1	0	0	0	0	0	0	0	12
02:00	0	0	0	0	2	2	2	1	0	0	0	0	0	0	7
03:00	0	0	0	2	1	3	3	0	0	0	0	0	0	0	9
04:00	2	2	3	5	4	6	1	0	1	0	0	0	0	0	24
05:00	0	1	5	18	10	6	2	0	0	0	0	0	0	0	42
06:00	4	2	13	34	49	29	13	2	0	0	0	0	0	0	146
07:00	3	8	11	48	69	48	12	2	0	0	0	0	0	0	201
08:00	1	2	15	56	58	31	10	0	0	0	0	0	0	0	173
09:00	2	2	8	25	60	25	14	2	0	0	0	0	0	0	138
10:00	2	3	16	32	47	25	5	0	0	0	0	0	0	0	130
11:00	3	0	12	51	50	15	9	3	0	0	0	0	0	0	143
12 PM	4	6	13	42	57	28	4	1	1	0	0	0	0	0	156
13:00	5	9	17	58	67	26	5	2	0	0	0	0	0	0	189
14:00	6	8	29	64	65	20	6	0	0	0	0	0	0	0	198
15:00	12	14	37	92	64	20	6	0	0	0	0	0	0	0	245
16:00	1	17	30	76	81	24	7	1	1	0	0	0	0	0	238
17:00	2	3	33	81	71	29	7	2	0	0	0	0	0	0	228
18:00	3	8	38	81	71	21	5	0	0	0	0	0	0	0	227
19:00	9	9	33	73	43	12	5	2	0	0	0	0	0	0	186
20:00	6	2	21	45	43	17	3	0	0	0	0	0	0	0	137
21:00	4	3	11	41	35	9	2	2	0	0	1	0	0	0	108
22:00	4	3	10	21	28	8	5	0	0	0	0	0	0	0	79
23:00	2	3	6	15	13	10	1	1	0	0	0	0	0	1	52
<b>Total</b>	<b>75</b>	<b>105</b>	<b>365</b>	<b>973</b>	<b>993</b>	<b>424</b>	<b>134</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3095</b>

Daily

- 15th Percentile : 22 MPH
- 50th Percentile : 29 MPH
- 85th Percentile : 36 MPH
- 95th Percentile : 40 MPH

Mean Speed(Average) : 30 MPH

- 10 MPH Pace Speed : 26-35 MPH
- Number in Pace : 1761
- Percent in Pace : 56.9%
- Number of Vehicles > 30 MPH : 1577
- Percent of Vehicles > 30 MPH : 51.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**NB, SB**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/26/1															
3	2	1	1	9	7	4	2	0	0	0	0	0	0	0	26
01:00	2	0	1	5	5	1	1	0	0	0	0	0	0	0	15
02:00	0	0	4	6	3	2	0	0	0	0	0	0	0	0	15
03:00	0	0	0	0	0	1	4	0	1	0	0	0	0	0	6
04:00	1	1	4	3	6	4	1	1	0	0	0	0	0	0	21
05:00	0	2	3	18	14	9	3	0	0	0	0	0	0	0	49
06:00	4	2	14	55	48	25	4	0	0	0	0	0	0	0	152
07:00	5	7	19	51	80	25	6	0	0	0	0	0	0	0	193
08:00	4	7	33	39	57	20	2	0	1	0	0	0	0	0	163
09:00	2	6	9	43	28	18	6	2	0	0	0	0	0	0	114
10:00	3	8	13	55	33	20	6	0	2	0	0	0	0	0	140
11:00	1	4	15	45	50	24	8	0	1	0	0	0	0	0	148
12 PM	6	8	18	49	58	27	12	1	1	0	0	0	0	0	180
13:00	7	2	12	61	51	16	6	0	0	0	0	0	0	0	155
14:00	2	4	17	61	60	30	7	0	0	0	0	0	0	0	181
15:00	6	6	18	66	76	32	8	2	0	0	0	0	0	0	214
16:00	3	9	21	69	70	27	6	0	0	0	0	0	0	0	205
17:00	5	5	31	73	71	26	3	1	0	0	0	0	0	0	215
18:00	4	4	14	94	75	26	2	2	1	0	0	0	0	0	222
19:00	2	9	31	79	56	23	3	0	0	0	0	0	0	0	203
20:00	7	5	14	37	39	18	4	1	0	0	0	0	0	0	125
21:00	4	1	20	34	36	12	1	1	0	0	0	0	0	0	109
22:00	0	5	10	23	29	10	1	2	0	0	0	0	0	0	80
23:00	1	3	7	24	26	11	7	0	0	0	0	0	0	0	79
<b>Total</b>	<b>71</b>	<b>99</b>	<b>329</b>	<b>999</b>	<b>978</b>	<b>411</b>	<b>103</b>	<b>13</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3010</b>

Daily  
 15th Percentile : 22 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 1766  
 Percent in Pace : 58.7%  
 Number of Vehicles > 30 MPH : 1512  
 Percent of Vehicles > 30 MPH : 50.2%

Grand Total	146	204	694	1972	1971	835	237	34	10	0	1	0	0	1	6105
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Overall  
 15th Percentile : 22 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 3527  
 Percent in Pace : 57.8%  
 Number of Vehicles > 30 MPH : 3089  
 Percent of Vehicles > 30 MPH : 50.6%









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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19651  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Manomet St, north of Forest Ave

**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	Truck Total
09/25/1															
3	0	26	1	0	0	0	0	0	0	0	0	0	0	27	0
01:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0
02:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
03:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9	0
04:00	0	17	5	1	1	0	0	0	0	0	0	0	0	24	2
05:00	0	33	8	0	1	0	0	0	0	0	0	0	0	42	1
06:00	1	107	30	2	6	0	0	0	0	0	0	0	0	146	8
07:00	0	155	38	2	5	1	0	0	0	0	0	0	0	201	8
08:00	0	130	31	4	5	1	0	2	0	0	0	0	0	173	12
09:00	0	119	16	0	3	0	0	0	0	0	0	0	0	138	3
10:00	0	106	20	0	4	0	0	0	0	0	0	0	0	130	4
11:00	0	112	29	0	2	0	0	0	0	0	0	0	0	143	2
12 PM	1	111	39	0	3	1	0	1	0	0	0	0	0	156	5
13:00	0	157	27	1	4	0	0	0	0	0	0	0	0	189	5
14:00	0	152	35	3	8	0	0	0	0	0	0	0	0	198	11
15:00	2	189	42	5	6	1	0	0	0	0	0	0	0	245	12
16:00	1	184	49	0	4	0	0	0	0	0	0	0	0	238	4
17:00	1	194	29	0	4	0	0	0	0	0	0	0	0	228	4
18:00	1	188	31	0	6	0	0	1	0	0	0	0	0	227	7
19:00	1	157	25	0	3	0	0	0	0	0	0	0	0	186	3
20:00	0	122	14	0	1	0	0	0	0	0	0	0	0	137	1
21:00	1	93	13	0	0	1	0	0	0	0	0	0	0	108	1
22:00	0	70	9	0	0	0	0	0	0	0	0	0	0	79	0
23:00	0	46	6	0	0	0	0	0	0	0	0	0	0	52	0
Total	9	2492	501	18	66	5	0	4	0	0	0	0	0	3095	93
Percent	0.3%	80.5%	16.2%	0.6%	2.1%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		3.0%
AM Peak	06:00	07:00	07:00	08:00	06:00	07:00		08:00						07:00	08:00
Vol.	1	155	38	4	6	1		2						201	12
PM Peak	15:00	17:00	16:00	15:00	14:00	12:00		12:00						15:00	15:00
Vol.	2	194	49	5	8	1		1						245	12





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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

Start Time	23-Sep-13		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	*	*	*	*	77	66	72	49	*	*	*	*	*	*	74	58
01:00	*	*	*	*	44	35	67	43	*	*	*	*	*	*	56	39
02:00	*	*	*	*	22	21	39	30	*	*	*	*	*	*	30	26
03:00	*	*	*	*	31	27	40	27	*	*	*	*	*	*	36	27
04:00	*	*	*	*	56	36	60	37	*	*	*	*	*	*	58	36
05:00	*	*	*	*	157	82	171	89	*	*	*	*	*	*	164	86
06:00	*	*	*	*	386	163	368	164	*	*	*	*	*	*	377	164
07:00	*	*	*	*	455	294	487	284	*	*	*	*	*	*	471	289
08:00	*	*	*	*	589	297	592	258	*	*	*	*	*	*	590	278
09:00	*	*	*	*	477	310	475	325	*	*	*	*	*	*	476	318
10:00	*	*	*	*	490	370	490	370	*	*	*	*	*	*	490	370
11:00	*	*	*	*	485	420	527	385	*	*	*	*	*	*	506	402
12:00 PM	*	*	*	*	528	465	482	483	*	*	*	*	*	*	505	474
01:00	*	*	*	*	526	439	521	421	*	*	*	*	*	*	524	430
02:00	*	*	*	*	509	476	527	436	*	*	*	*	*	*	518	456
03:00	*	*	*	*	549	490	512	518	*	*	*	*	*	*	530	504
04:00	*	*	*	*	492	555	493	541	*	*	*	*	*	*	492	548
05:00	*	*	*	*	452	507	497	544	*	*	*	*	*	*	474	526
06:00	*	*	*	*	472	443	501	498	*	*	*	*	*	*	486	470
07:00	*	*	*	*	399	408	414	394	*	*	*	*	*	*	406	401
08:00	*	*	*	*	297	283	347	321	*	*	*	*	*	*	322	302
09:00	*	*	*	*	233	213	277	230	*	*	*	*	*	*	255	222
10:00	*	*	*	*	189	166	206	176	*	*	*	*	*	*	198	171
11:00	*	*	*	*	142	104	142	154	*	*	*	*	*	*	142	129
Total Day	0	0	0	0	8057	6670	8307	6777	0	0	0	0	0	0	8180	6726
AM Peak	-	-	-	-	08:00	11:00	08:00	11:00	-	-	-	-	-	-	08:00	11:00
Vol.	-	-	-	-	589	420	592	385	-	-	-	-	-	-	590	402
PM Peak	-	-	-	-	15:00	16:00	14:00	17:00	-	-	-	-	-	-	15:00	16:00
Vol.	-	-	-	-	549	555	527	544	-	-	-	-	-	-	530	548

Comb. Total                      0                      0                      14727                      15084                      0                      0                      0                      14906

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

Start Time	25-Sep-13		NB		SB		Combined		26-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			17	140	23	120	40	260		19	117	13	122	32	239	
12:15			27	147	20	106	47	253		20	125	17	130	37	255	
12:30			18	116	13	112	31	228		17	124	8	116	25	240	
12:45			15	125	10	127	25	252		16	116	11	115	27	231	
01:00			12	127	16	114	28	241		15	118	8	110	23	228	
01:15			11	127	8	119	19	246		21	124	15	110	36	234	
01:30			13	134	4	101	17	235		13	134	8	100	21	234	
01:45			8	138	7	105	15	243		18	145	12	101	30	246	
02:00			5	116	5	123	10	239		7	125	7	107	14	232	
02:15			4	124	6	117	10	241		16	119	9	101	25	220	
02:30			7	148	2	117	9	265		6	147	5	112	11	259	
02:45			6	121	8	119	14	240		10	136	9	116	19	252	
03:00			5	137	4	126	9	263		5	148	5	131	10	279	
03:15			7	119	4	119	11	238		13	111	7	129	20	240	
03:30			10	146	10	118	20	264		12	126	8	129	20	255	
03:45			9	147	9	127	18	274		10	127	7	129	17	256	
04:00			5	127	6	151	11	278		7	109	4	144	11	253	
04:15			11	127	7	119	18	246		18	122	7	147	25	269	
04:30			18	124	10	155	28	279		19	122	14	139	33	261	
04:45			22	114	13	130	35	244		16	140	12	111	28	251	
05:00			26	75	18	123	44	198		25	116	12	147	37	263	
05:15			40	97	14	109	54	206		39	126	15	141	54	267	
05:30			33	149	21	147	54	296		53	135	32	128	85	263	
05:45			58	131	29	128	87	259		54	120	30	128	84	248	
06:00			58	122	37	133	95	255		57	141	27	123	84	264	
06:15			88	122	40	99	128	221		88	128	42	133	130	261	
06:30			124	112	41	109	165	221		106	110	30	117	136	227	
06:45			116	116	45	102	161	218		117	122	65	125	182	247	
07:00			100	110	59	114	159	224		110	131	66	95	176	226	
07:15			103	103	72	101	175	204		103	93	65	101	168	194	
07:30			118	92	81	105	199	197		125	98	70	107	195	205	
07:45			134	94	82	88	216	182		149	92	83	91	232	183	
08:00			165	84	80	83	245	167		147	100	68	108	215	208	
08:15			159	78	66	75	225	153		174	83	51	75	225	158	
08:30			134	68	69	63	203	131		144	82	72	76	216	158	
08:45			131	67	82	62	213	129		127	82	67	62	194	144	
09:00			122	62	78	60	200	122		113	79	92	79	205	158	
09:15			129	64	80	49	209	113		123	64	80	47	203	111	
09:30			111	56	67	65	178	121		109	61	78	52	187	113	
09:45			115	51	85	39	200	90		130	73	75	52	205	125	
10:00			113	64	78	52	191	116		107	56	104	48	211	104	
10:15			113	49	97	44	210	93		118	63	71	48	189	111	
10:30			129	38	97	35	226	73		129	44	100	40	229	84	
10:45			135	38	98	35	233	73		136	43	95	40	231	83	
11:00			127	37	107	30	234	67		129	27	95	42	224	69	
11:15			102	34	100	29	202	63		116	45	90	42	206	87	
11:30			117	35	121	22	238	57		136	35	112	36	248	71	
11:45			139	36	92	23	231	59		146	35	88	34	234	69	
Total			3269	4788	2121	4549	5390	9337		3388	4919	2061	4716	5449	9635	
Day Total			8057		6670		14727			8307		6777		15084		
% Total			22.2%	32.5%	14.4%	30.9%				22.5%	32.6%	13.7%	31.3%			
Peak	-		07:45	03:00	10:45	04:00	10:45	03:45	-	07:45	02:15	10:45	03:45	11:00	04:15	
Vol.	-		592	549	426	555	907	1077	-	614	550	392	559	912	1044	
P.H.F.			0.897	0.927	0.880	0.895	0.953	0.965		0.882	0.929	0.875	0.951	0.919	0.970	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	143	121	*	*	*	132
01:00	*	*	79	110	*	*	*	94
02:00	*	*	43	69	*	*	*	56
03:00	*	*	58	67	*	*	*	62
04:00	*	*	92	97	*	*	*	94
05:00	*	*	239	260	*	*	*	250
06:00	*	*	549	532	*	*	*	540
07:00	*	*	749	771	*	*	*	760
08:00	*	*	886	850	*	*	*	868
09:00	*	*	787	800	*	*	*	794
10:00	*	*	860	860	*	*	*	860
11:00	*	*	<b>905</b>	<b>912</b>	*	*	*	<b>908</b>
12:00 PM	*	*	993	965	*	*	*	979
01:00	*	*	965	942	*	*	*	954
02:00	*	*	985	963	*	*	*	974
03:00	*	*	1039	1030	*	*	*	1034
04:00	*	*	<b>1047</b>	1034	*	*	*	<b>1040</b>
05:00	*	*	959	<b>1041</b>	*	*	*	1000
06:00	*	*	915	999	*	*	*	957
07:00	*	*	807	808	*	*	*	808
08:00	*	*	580	668	*	*	*	624
09:00	*	*	446	507	*	*	*	476
10:00	*	*	355	382	*	*	*	368
11:00	*	*	246	296	*	*	*	271
Total	0	0	14727	15084	0	0	0	14903
Percentage	0.0%	0.0%	98.8%	101.2%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	905	912	-	-	-	908
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	1047	1041	-	-	-	1040

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB**

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
09/25/13															
3	5	2	10	21	33	6	0	0	0	0	0	0	0	0	77
01:00	3	2	5	13	14	5	2	0	0	0	0	0	0	0	44
02:00	0	0	4	9	7	2	0	0	0	0	0	0	0	0	22
03:00	1	0	5	5	11	6	3	0	0	0	0	0	0	0	31
04:00	3	1	6	15	25	5	1	0	0	0	0	0	0	0	56
05:00	3	0	5	70	52	25	2	0	0	0	0	0	0	0	157
06:00	22	5	47	178	112	20	2	0	0	0	0	0	0	0	386
07:00	42	8	91	191	111	11	1	0	0	0	0	0	0	0	455
08:00	72	17	168	239	78	14	1	0	0	0	0	0	0	0	589
09:00	52	15	119	219	67	5	0	0	0	0	0	0	0	0	477
10:00	58	17	199	172	43	1	0	0	0	0	0	0	0	0	490
11:00	75	48	169	160	32	0	1	0	0	0	0	0	0	0	485
12 PM	82	79	238	108	19	2	0	0	0	0	0	0	0	0	528
13:00	75	54	202	164	29	2	0	0	0	0	0	0	0	0	526
14:00	92	68	214	112	21	2	0	0	0	0	0	0	0	0	509
15:00	114	86	219	112	18	0	0	0	0	0	0	0	0	0	549
16:00	99	81	200	97	15	0	0	0	0	0	0	0	0	0	492
17:00	109	109	152	72	10	0	0	0	0	0	0	0	0	0	452
18:00	80	53	186	132	17	4	0	0	0	0	0	0	0	0	472
19:00	81	37	121	140	20	0	0	0	0	0	0	0	0	0	399
20:00	45	10	88	112	32	9	1	0	0	0	0	0	0	0	297
21:00	27	12	35	100	52	6	1	0	0	0	0	0	0	0	233
22:00	17	5	25	100	35	6	0	1	0	0	0	0	0	0	189
23:00	12	3	17	52	52	5	1	0	0	0	0	0	0	0	142
<b>Total</b>	<b>1169</b>	<b>712</b>	<b>2525</b>	<b>2593</b>	<b>905</b>	<b>136</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8057</b>

Daily

15th Percentile :	9 MPH
50th Percentile :	22 MPH
85th Percentile :	29 MPH
95th Percentile :	33 MPH
Mean Speed(Average) :	22 MPH
10 MPH Pace Speed :	21-30 MPH
Number in Pace :	4049
Percent in Pace :	50.3%
Number of Vehicles > 30 MPH :	1058
Percent of Vehicles > 30 MPH :	13.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB**

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
09/26/13	9	0	6	23	28	5	1	0	0	0	0	0	0	0	72
01:00	5	4	8	23	22	5	0	0	0	0	0	0	0	0	67
02:00	5	0	7	10	12	4	1	0	0	0	0	0	0	0	39
03:00	0	1	4	14	11	10	0	0	0	0	0	0	0	0	40
04:00	7	2	8	18	17	8	0	0	0	0	0	0	0	0	60
05:00	18	2	24	64	47	13	3	0	0	0	0	0	0	0	171
06:00	34	9	64	135	105	20	1	0	0	0	0	0	0	0	368
07:00	78	43	104	184	72	6	0	0	0	0	0	0	0	0	487
08:00	78	45	170	222	73	4	0	0	0	0	0	0	0	0	592
09:00	69	22	141	197	45	1	0	0	0	0	0	0	0	0	475
10:00	72	36	191	163	26	2	0	0	0	0	0	0	0	0	490
11:00	94	57	203	153	20	0	0	0	0	0	0	0	0	0	527
12 PM	86	51	184	140	16	5	0	0	0	0	0	0	0	0	482
13:00	65	77	215	149	14	1	0	0	0	0	0	0	0	0	521
14:00	115	63	214	123	10	2	0	0	0	0	0	0	0	0	527
15:00	98	50	199	147	17	1	0	0	0	0	0	0	0	0	512
16:00	94	46	202	126	23	2	0	0	0	0	0	0	0	0	493
17:00	102	55	173	140	25	2	0	0	0	0	0	0	0	0	497
18:00	94	74	205	115	11	1	1	0	0	0	0	0	0	0	501
19:00	58	32	133	156	32	2	0	0	1	0	0	0	0	0	414
20:00	59	28	90	134	34	2	0	0	0	0	0	0	0	0	347
21:00	32	12	66	109	51	6	1	0	0	0	0	0	0	0	277
22:00	22	5	32	81	55	9	1	1	0	0	0	0	0	0	206
23:00	7	4	13	62	43	11	2	0	0	0	0	0	0	0	142
<b>Total</b>	<b>1301</b>	<b>718</b>	<b>2656</b>	<b>2688</b>	<b>809</b>	<b>122</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8307</b>

Daily

15th Percentile : 9 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 32 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 4181  
 Percent in Pace : 50.3%  
 Number of Vehicles > 30 MPH : 944  
 Percent of Vehicles > 30 MPH : 11.4%

<b>Grand Total</b>	<b>2470</b>	<b>1430</b>	<b>5181</b>	<b>5281</b>	<b>1714</b>	<b>258</b>	<b>27</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16364</b>
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Overall

15th Percentile : 9 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 8230  
 Percent in Pace : 50.3%  
 Number of Vehicles > 30 MPH : 2002  
 Percent of Vehicles > 30 MPH : 12.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**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
09/25/1															
3	2	1	13	24	19	5	2	0	0	0	0	0	0	0	66
01:00	2	0	2	14	10	6	1	0	0	0	0	0	0	0	35
02:00	2	0	1	4	9	5	0	0	0	0	0	0	0	0	21
03:00	1	0	1	6	12	5	2	0	0	0	0	0	0	0	27
04:00	9	1	2	3	12	7	2	0	0	0	0	0	0	0	36
05:00	19	1	6	17	19	15	4	1	0	0	0	0	0	0	82
06:00	42	8	11	44	42	15	1	0	0	0	0	0	0	0	163
07:00	48	23	45	98	64	13	3	0	0	0	0	0	0	0	294
08:00	57	11	51	92	74	11	1	0	0	0	0	0	0	0	297
09:00	50	11	54	118	62	12	2	1	0	0	0	0	0	0	310
10:00	67	22	101	114	58	8	0	0	0	0	0	0	0	0	370
11:00	64	31	104	140	68	11	2	0	0	0	0	0	0	0	420
12 PM	83	41	133	149	54	2	2	1	0	0	0	0	0	0	465
13:00	64	27	129	145	70	4	0	0	0	0	0	0	0	0	439
14:00	108	50	116	149	50	3	0	0	0	0	0	0	0	0	476
15:00	120	49	141	133	42	5	0	0	0	0	0	0	0	0	490
16:00	135	86	180	116	33	5	0	0	0	0	0	0	0	0	555
17:00	254	59	100	79	14	0	0	0	0	1	0	0	0	0	507
18:00	88	55	139	121	38	2	0	0	0	0	0	0	0	0	443
19:00	73	34	148	106	41	5	1	0	0	0	0	0	0	0	408
20:00	35	25	57	108	45	12	1	0	0	0	0	0	0	0	283
21:00	31	11	39	77	45	9	1	0	0	0	0	0	0	0	213
22:00	25	6	22	50	46	11	3	1	2	0	0	0	0	0	166
23:00	12	5	15	31	32	8	0	1	0	0	0	0	0	0	104
<b>Total</b>	<b>1391</b>	<b>557</b>	<b>1610</b>	<b>1938</b>	<b>959</b>	<b>179</b>	<b>28</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6670</b>

Daily

15th Percentile :	7 MPH
50th Percentile :	22 MPH
85th Percentile :	30 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	21 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	2761
Percent in Pace :	41.4%
Number of Vehicles > 30 MPH :	1174
Percent of Vehicles > 30 MPH :	17.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**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
09/26/1															
3	3	1	3	23	13	4	2	0	0	0	0	0	0	0	49
01:00	5	3	7	15	8	3	0	2	0	0	0	0	0	0	43
02:00	6	0	2	7	8	5	0	1	1	0	0	0	0	0	30
03:00	2	0	0	4	14	5	1	1	0	0	0	0	0	0	27
04:00	8	2	2	6	8	7	4	0	0	0	0	0	0	0	37
05:00	25	3	7	26	15	8	5	0	0	0	0	0	0	0	89
06:00	37	6	17	48	40	14	2	0	0	0	0	0	0	0	164
07:00	57	15	57	90	52	12	1	0	0	0	0	0	0	0	284
08:00	46	8	32	98	60	13	1	0	0	0	0	0	0	0	258
09:00	54	15	65	115	60	15	1	0	0	0	0	0	0	0	325
10:00	51	23	88	142	61	5	0	0	0	0	0	0	0	0	370
11:00	103	42	114	92	33	1	0	0	0	0	0	0	0	0	385
12 PM	91	60	140	152	37	3	0	0	0	0	0	0	0	0	483
13:00	74	41	113	138	50	4	1	0	0	0	0	0	0	0	421
14:00	83	26	141	129	46	9	2	0	0	0	0	0	0	0	436
15:00	113	62	145	145	47	4	2	0	0	0	0	0	0	0	518
16:00	140	43	145	164	39	8	2	0	0	0	0	0	0	0	541
17:00	143	66	154	127	49	5	0	0	0	0	0	0	0	0	544
18:00	96	60	148	144	45	5	0	0	0	0	0	0	0	0	498
19:00	77	34	88	148	41	6	0	0	0	0	0	0	0	0	394
20:00	57	16	59	114	54	19	2	0	0	0	0	0	0	0	321
21:00	30	16	33	76	62	11	2	0	0	0	0	0	0	0	230
22:00	12	7	21	72	48	13	1	0	2	0	0	0	0	0	176
23:00	17	3	14	42	53	20	4	1	0	0	0	0	0	0	154
<b>Total</b>	<b>1330</b>	<b>552</b>	<b>1595</b>	<b>2117</b>	<b>943</b>	<b>199</b>	<b>33</b>	<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6777</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 2916  
 Percent in Pace : 43.0%  
 Number of Vehicles > 30 MPH : 1183  
 Percent of Vehicles > 30 MPH : 17.5%

<b>Grand Total</b>	<b>2721</b>	<b>1109</b>	<b>3205</b>	<b>4055</b>	<b>1902</b>	<b>378</b>	<b>61</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13447</b>
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Overall

15th Percentile : 7 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 5676  
 Percent in Pace : 42.2%  
 Number of Vehicles > 30 MPH : 2357  
 Percent of Vehicles > 30 MPH : 17.5%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB, 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
09/25/1															
3	7	3	23	45	52	11	2	0	0	0	0	0	0	0	143
01:00	5	2	7	27	24	11	3	0	0	0	0	0	0	0	79
02:00	2	0	5	13	16	7	0	0	0	0	0	0	0	0	43
03:00	2	0	6	11	23	11	5	0	0	0	0	0	0	0	58
04:00	12	2	8	18	37	12	3	0	0	0	0	0	0	0	92
05:00	22	1	11	87	71	40	6	1	0	0	0	0	0	0	239
06:00	64	13	58	222	154	35	3	0	0	0	0	0	0	0	549
07:00	90	31	136	289	175	24	4	0	0	0	0	0	0	0	749
08:00	129	28	219	331	152	25	2	0	0	0	0	0	0	0	886
09:00	102	26	173	337	129	17	2	1	0	0	0	0	0	0	787
10:00	125	39	300	286	101	9	0	0	0	0	0	0	0	0	860
11:00	139	79	273	300	100	11	3	0	0	0	0	0	0	0	905
12 PM	165	120	371	257	73	4	2	1	0	0	0	0	0	0	993
13:00	139	81	331	309	99	6	0	0	0	0	0	0	0	0	965
14:00	200	118	330	261	71	5	0	0	0	0	0	0	0	0	985
15:00	234	135	360	245	60	5	0	0	0	0	0	0	0	0	1039
16:00	234	167	380	213	48	5	0	0	0	0	0	0	0	0	1047
17:00	363	168	252	151	24	0	0	0	0	1	0	0	0	0	959
18:00	168	108	325	253	55	6	0	0	0	0	0	0	0	0	915
19:00	154	71	269	246	61	5	1	0	0	0	0	0	0	0	807
20:00	80	35	145	220	77	21	2	0	0	0	0	0	0	0	580
21:00	58	23	74	177	97	15	2	0	0	0	0	0	0	0	446
22:00	42	11	47	150	81	17	3	2	2	0	0	0	0	0	355
23:00	24	8	32	83	84	13	1	1	0	0	0	0	0	0	246
<b>Total</b>	<b>2560</b>	<b>1269</b>	<b>4135</b>	<b>4531</b>	<b>1864</b>	<b>315</b>	<b>44</b>	<b>6</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14727</b>

Daily

15th Percentile :	8 MPH
50th Percentile :	22 MPH
85th Percentile :	29 MPH
95th Percentile :	33 MPH
Mean Speed(Average) :	21 MPH
10 MPH Pace Speed :	21-30 MPH
Number in Pace :	6769
Percent in Pace :	46.0%
Number of Vehicles > 30 MPH :	2232
Percent of Vehicles > 30 MPH :	15.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB, 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
09/26/13															
01:00	12	1	9	46	41	9	3	0	0	0	0	0	0	0	121
02:00	10	7	15	38	30	8	0	2	0	0	0	0	0	0	110
03:00	11	0	9	17	20	9	1	1	1	0	0	0	0	0	69
04:00	2	1	4	18	25	15	1	1	0	0	0	0	0	0	67
05:00	15	4	10	24	25	15	4	0	0	0	0	0	0	0	97
06:00	43	5	31	90	62	21	8	0	0	0	0	0	0	0	260
07:00	71	15	81	183	145	34	3	0	0	0	0	0	0	0	532
08:00	135	58	161	274	124	18	1	0	0	0	0	0	0	0	771
09:00	124	53	202	320	133	17	1	0	0	0	0	0	0	0	850
10:00	123	37	206	312	105	16	1	0	0	0	0	0	0	0	800
11:00	123	59	279	305	87	7	0	0	0	0	0	0	0	0	860
12 PM	197	99	317	245	53	1	0	0	0	0	0	0	0	0	912
13:00	177	111	324	292	53	8	0	0	0	0	0	0	0	0	965
14:00	139	118	328	287	64	5	1	0	0	0	0	0	0	0	942
15:00	198	89	355	252	56	11	2	0	0	0	0	0	0	0	963
16:00	211	112	344	292	64	5	2	0	0	0	0	0	0	0	1030
17:00	234	89	347	290	62	10	2	0	0	0	0	0	0	0	1034
18:00	245	121	327	267	74	7	0	0	0	0	0	0	0	0	1041
19:00	190	134	353	259	56	6	1	0	0	0	0	0	0	0	999
20:00	135	66	221	304	73	8	0	0	1	0	0	0	0	0	808
21:00	116	44	149	248	88	21	2	0	0	0	0	0	0	0	668
22:00	62	28	99	185	113	17	3	0	0	0	0	0	0	0	507
23:00	34	12	53	153	103	22	2	1	2	0	0	0	0	0	382
Total	24	7	27	104	96	31	6	1	0	0	0	0	0	0	296
<b>Total</b>	<b>2631</b>	<b>1270</b>	<b>4251</b>	<b>4805</b>	<b>1752</b>	<b>321</b>	<b>44</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15084</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 7051  
 Percent in Pace : 46.7%  
 Number of Vehicles > 30 MPH : 2127  
 Percent of Vehicles > 30 MPH : 14.1%

<b>Grand Total</b>	<b>5191</b>	<b>2539</b>	<b>8386</b>	<b>9336</b>	<b>3616</b>	<b>636</b>	<b>88</b>	<b>12</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29811</b>
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Overall

15th Percentile : 8 MPH  
 50th Percentile : 22 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 21 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 13820  
 Percent in Pace : 46.4%  
 Number of Vehicles > 30 MPH : 4359  
 Percent of Vehicles > 30 MPH : 14.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/25/1																
3	4	60	6	0	1	0	0	0	1	0	0	0	0	5	77	2
01:00	0	36	3	0	2	0	0	0	0	0	0	0	0	3	44	2
02:00	0	19	2	0	1	0	0	0	0	0	0	0	0	0	22	1
03:00	0	20	7	0	2	0	0	0	1	0	0	0	0	1	31	3
04:00	1	41	10	1	1	0	0	0	0	0	0	0	0	2	56	2
05:00	1	122	25	3	3	0	0	0	0	0	0	0	0	3	157	6
06:00	0	257	68	20	15	0	0	2	2	0	0	0	0	22	386	39
07:00	6	314	67	3	22	2	0	2	0	0	0	0	0	39	455	29
08:00	27	395	71	6	10	4	0	2	4	0	0	0	0	70	589	26
09:00	15	316	62	7	23	2	0	1	0	0	0	0	0	51	477	33
10:00	16	334	55	8	20	5	2	1	1	1	1	0	0	46	490	39
11:00	10	310	75	4	16	3	0	3	2	0	0	0	0	62	485	28
12 PM	14	387	45	4	6	3	1	1	1	0	0	0	0	66	528	16
13:00	12	387	46	1	11	3	0	2	0	1	0	0	0	63	526	18
14:00	12	342	56	5	10	2	0	1	3	0	0	0	0	78	509	21
15:00	14	379	42	2	8	5	0	0	0	0	0	0	0	99	549	15
16:00	17	328	43	1	13	4	0	1	0	0	0	0	0	85	492	19
17:00	17	312	30	0	2	0	0	1	0	0	0	0	0	90	452	3
18:00	22	317	45	0	4	1	0	1	1	0	0	0	0	81	472	7
19:00	30	252	32	0	7	2	0	0	0	0	0	0	0	76	399	9
20:00	15	211	25	0	0	0	0	1	0	0	0	0	0	45	297	1
21:00	23	165	10	2	3	2	0	0	0	0	0	0	0	28	233	7
22:00	7	150	9	1	2	0	0	0	0	0	0	0	0	20	189	3
23:00	3	116	8	1	0	0	0	0	0	0	0	0	0	14	142	1
Total	266	5570	842	69	182	38	3	19	16	2	1	0	0	1049	8057	330
Percent	3.3%	69.1%	10.5%	0.9%	2.3%	0.5%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	13.0%		4.1%
AM Peak	08:00	08:00	11:00	06:00	09:00	10:00	10:00	11:00	08:00	10:00	10:00			08:00	08:00	06:00
Vol.	27	395	75	20	23	5	2	3	4	1	1			70	589	39
PM Peak	19:00	12:00	14:00	14:00	16:00	15:00	12:00	13:00	14:00	13:00				15:00	15:00	14:00
Vol.	30	387	56	5	13	5	1	2	3	1				99	549	21

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total	
09/26/1	3	2	56	3	0	3	1	0	0	0	0	0	0	0	7	72	4
01:00	1	53	4	0	4	0	0	0	0	0	0	0	0	5	67	4	
02:00	1	31	3	0	0	0	0	0	0	0	0	0	0	4	39	0	
03:00	2	27	8	1	1	0	0	0	1	0	0	0	0	0	40	3	
04:00	4	37	7	1	3	1	0	0	0	0	0	0	0	7	60	5	
05:00	9	111	23	4	7	0	1	0	0	0	0	0	0	16	171	12	
06:00	19	223	59	18	10	2	0	0	0	0	0	0	1	36	368	31	
07:00	16	291	79	1	19	2	0	4	2	0	0	0	1	72	487	29	
08:00	29	376	78	3	18	2	1	0	1	0	0	0	1	83	592	26	
09:00	25	307	53	1	16	3	0	0	1	0	0	0	0	69	475	21	
10:00	11	340	52	4	15	4	0	5	0	0	0	0	0	59	490	28	
11:00	19	342	64	4	14	1	0	3	1	1	0	0	0	78	527	24	
12 PM	25	313	56	2	12	4	0	2	1	0	0	0	0	67	482	21	
13:00	9	377	58	6	10	4	0	3	2	0	0	0	0	52	521	25	
14:00	11	375	51	2	15	0	1	0	1	0	0	0	0	71	527	19	
15:00	14	363	50	0	8	0	0	1	0	0	0	0	0	76	512	9	
16:00	29	322	37	1	7	4	0	2	1	0	0	0	0	90	493	15	
17:00	30	319	45	1	5	5	0	0	2	0	0	0	0	90	497	13	
18:00	31	337	37	0	2	1	0	4	1	0	0	0	0	88	501	8	
19:00	20	298	32	0	7	3	0	1	0	0	0	0	0	53	414	11	
20:00	16	242	20	0	4	2	0	0	0	0	0	0	0	63	347	6	
21:00	17	202	17	1	4	1	0	0	0	0	0	0	0	35	277	6	
22:00	7	160	17	0	0	0	0	0	0	0	0	0	0	22	206	0	
23:00	3	119	12	1	0	0	0	0	0	0	0	0	0	7	142	1	
Total	350	5621	865	51	184	40	3	25	14	1	0	0	3	1150	8307	321	
Percent	4.2%	67.7%	10.4%	0.6%	2.2%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	13.8%		3.9%	
AM Peak	08:00	08:00	07:00	06:00	07:00	10:00	05:00	10:00	07:00	11:00			06:00	08:00	08:00	06:00	
Vol.	29	376	79	18	19	4	1	5	2	1			1	83	592	31	
PM Peak	18:00	13:00	13:00	13:00	14:00	17:00	14:00	18:00	13:00					16:00	14:00	13:00	
Vol.	31	377	58	6	15	5	1	4	2					90	527	25	
Grand Total	616	11191	1707	120	366	78	6	44	30	3	1	0	3	2199	16364	651	
Percent	3.8%	68.4%	10.4%	0.7%	2.2%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	13.4%		4.0%	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

SB

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total	
09/25/1	3	1	51	10	1	1	0	0	0	0	0	0	0	0	2	66	2
01:00	1	32	1	0	0	0	0	0	0	0	0	0	0	1	35	0	
02:00	0	11	5	1	1	0	0	1	0	0	0	0	0	2	21	3	
03:00	0	22	3	0	1	0	0	0	0	0	0	0	0	1	27	1	
04:00	2	25	1	0	1	0	0	0	0	0	0	0	0	7	36	1	
05:00	1	46	15	0	0	0	0	2	0	0	0	0	0	18	82	2	
06:00	1	84	25	3	9	0	0	0	0	0	0	0	0	41	163	12	
07:00	7	171	49	6	7	4	0	3	2	0	0	0	0	45	294	22	
08:00	11	163	53	6	9	4	0	1	0	0	0	0	0	50	297	20	
09:00	9	166	60	9	13	3	0	0	1	0	0	0	0	49	310	26	
10:00	17	208	60	5	17	3	0	0	0	0	0	0	0	60	370	25	
11:00	14	261	66	4	12	5	0	1	0	0	0	0	0	57	420	22	
12 PM	19	272	78	3	16	7	0	3	1	0	0	0	0	66	465	30	
13:00	13	281	64	5	17	2	0	1	0	0	0	0	0	56	439	25	
14:00	14	286	58	5	21	0	0	1	0	0	0	0	0	91	476	27	
15:00	27	298	51	4	13	4	0	1	1	0	0	0	0	91	490	23	
16:00	29	339	70	3	13	8	0	3	0	0	0	0	0	90	555	27	
17:00	35	271	45	2	12	3	0	3	0	0	0	1	0	135	507	21	
18:00	12	300	51	1	9	3	0	0	1	0	0	0	0	66	443	14	
19:00	23	271	53	3	4	2	0	0	0	0	0	0	0	52	408	9	
20:00	12	203	36	1	0	0	0	1	0	0	0	0	0	30	283	2	
21:00	11	142	24	4	7	0	0	0	0	0	0	0	0	25	213	11	
22:00	7	116	17	2	4	1	0	0	0	0	0	0	0	19	166	7	
23:00	2	75	14	1	2	0	0	0	1	0	0	0	0	9	104	4	
Total	268	4094	909	69	189	49	0	21	7	0	0	1	0	1063	6670	336	
Percent	4.0%	61.4%	13.6%	1.0%	2.8%	0.7%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	15.9%		5.0%	
AM Peak Vol.	10:00	11:00	11:00	09:00	10:00	11:00		07:00	07:00					10:00	11:00	09:00	
PM Peak Vol.	17:00	16:00	12:00	13:00	14:00	16:00		12:00	12:00			17:00		17:00	16:00	12:00	
	35	339	78	5	21	8		3	1			1		135	555	30	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total	
09/26/1	3	2	38	5	1	1	0	0	0	0	0	0	0	0	2	49	2
01:00	2	32	4	0	2	0	0	0	0	0	0	0	0	3	43	2	
02:00	2	21	5	0	0	0	0	0	0	0	0	0	0	2	30	0	
03:00	1	19	3	1	1	0	0	0	0	0	0	0	0	2	27	2	
04:00	2	23	3	0	1	0	0	0	1	0	0	0	0	7	37	2	
05:00	5	48	12	0	4	0	0	0	1	0	0	0	0	19	89	5	
06:00	10	87	28	1	6	0	0	0	0	0	0	0	0	32	164	7	
07:00	8	156	51	9	7	3	0	0	1	0	0	0	0	49	284	20	
08:00	11	144	45	6	9	4	0	0	0	0	0	0	0	39	258	19	
09:00	8	195	50	7	10	4	0	2	1	0	0	0	0	48	325	24	
10:00	16	209	71	3	18	4	0	1	1	0	0	0	0	47	370	27	
11:00	10	202	61	2	21	3	0	2	0	0	0	0	0	84	385	28	
12 PM	14	291	80	2	14	3	0	0	0	0	0	0	0	79	483	19	
13:00	14	273	49	5	14	6	0	0	0	0	0	0	0	60	421	25	
14:00	19	254	67	7	12	5	0	1	0	0	0	0	0	71	436	25	
15:00	25	315	73	3	11	3	0	1	0	0	0	0	0	87	518	18	
16:00	28	323	59	2	13	3	0	2	0	0	0	0	0	111	541	20	
17:00	32	342	49	2	14	4	0	2	0	0	0	0	0	99	544	22	
18:00	20	303	75	3	17	2	0	1	0	0	0	0	0	77	498	23	
19:00	21	246	57	2	8	2	0	1	0	0	0	0	0	57	394	13	
20:00	22	194	47	2	4	3	0	1	0	0	0	0	0	48	321	10	
21:00	9	159	29	3	6	1	0	0	0	0	0	0	0	23	230	10	
22:00	3	143	18	1	3	0	0	0	0	0	0	0	0	8	176	4	
23:00	3	113	21	0	2	0	0	0	0	0	0	0	0	15	154	2	
Total	287	4130	962	62	198	50	0	14	5	0	0	0	0	1069	6777	329	
Percent	4.2%	60.9%	14.2%	0.9%	2.9%	0.7%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	15.8%		4.9%	
AM Peak Vol.	16	209	71	9	21	4		2	1					84	385	28	
PM Peak Vol.	32	342	80	7	17	6		2						111	544	25	
Grand Total Percent	4.1%	61.2%	13.9%	1.0%	2.9%	0.7%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	15.9%		4.9%	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB, SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/25/1																
3	5	111	16	1	2	0	0	0	1	0	0	0	0	7	143	4
01:00	1	68	4	0	2	0	0	0	0	0	0	0	0	4	79	2
02:00	0	30	7	1	2	0	0	1	0	0	0	0	0	2	43	4
03:00	0	42	10	0	3	0	0	0	1	0	0	0	0	2	58	4
04:00	3	66	11	1	2	0	0	0	0	0	0	0	0	9	92	3
05:00	2	168	40	3	3	0	0	2	0	0	0	0	0	21	239	8
06:00	1	341	93	23	24	0	0	2	2	0	0	0	0	63	549	51
07:00	13	485	116	9	29	6	0	5	2	0	0	0	0	84	749	51
08:00	38	558	124	12	19	8	0	3	4	0	0	0	0	120	886	46
09:00	24	482	122	16	36	5	0	1	1	0	0	0	0	100	787	59
10:00	33	542	115	13	37	8	2	1	1	1	1	0	0	106	860	64
11:00	24	571	141	8	28	8	0	4	2	0	0	0	0	119	905	50
12 PM	33	659	123	7	22	10	1	4	2	0	0	0	0	132	993	46
13:00	25	668	110	6	28	5	0	3	0	1	0	0	0	119	965	43
14:00	26	628	114	10	31	2	0	2	3	0	0	0	0	169	985	48
15:00	41	677	93	6	21	9	0	1	1	0	0	0	0	190	1039	38
16:00	46	667	113	4	26	12	0	4	0	0	0	0	0	175	1047	46
17:00	52	583	75	2	14	3	0	4	0	0	0	1	0	225	959	24
18:00	34	617	96	1	13	4	0	1	2	0	0	0	0	147	915	21
19:00	53	523	85	3	11	4	0	0	0	0	0	0	0	128	807	18
20:00	27	414	61	1	0	0	0	2	0	0	0	0	0	75	580	3
21:00	34	307	34	6	10	2	0	0	0	0	0	0	0	53	446	18
22:00	14	266	26	3	6	1	0	0	0	0	0	0	0	39	355	10
23:00	5	191	22	2	2	0	0	0	1	0	0	0	0	23	246	5
Total	534	9664	1751	138	371	87	3	40	23	2	1	1	0	2112	14727	666
Percent	3.6%	65.6%	11.9%	0.9%	2.5%	0.6%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	14.3%		4.5%
AM Peak Vol.	08:00	11:00	11:00	06:00	10:00	08:00	10:00	07:00	08:00	10:00	10:00			08:00	11:00	10:00
PM Peak Vol.	19:00	15:00	12:00	14:00	14:00	16:00	12:00	12:00	14:00	13:00		17:00		17:00	16:00	14:00
	53	677	123	10	31	12	1	4	3	1		1		225	1047	48

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, south of Forest Ave

**NB, SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/26/1																
3	4	94	8	1	4	1	0	0	0	0	0	0	0	9	121	6
01:00	3	85	8	0	6	0	0	0	0	0	0	0	0	8	110	6
02:00	3	52	8	0	0	0	0	0	0	0	0	0	0	6	69	0
03:00	3	46	11	2	2	0	0	0	1	0	0	0	0	2	67	5
04:00	6	60	10	1	4	1	0	0	1	0	0	0	0	14	97	7
05:00	14	159	35	4	11	0	1	0	1	0	0	0	0	35	260	17
06:00	29	310	87	19	16	2	0	0	0	0	0	0	1	68	532	38
07:00	24	447	130	10	26	5	0	4	3	0	0	0	1	121	771	49
08:00	40	520	123	9	27	6	1	0	1	0	0	0	1	122	850	45
09:00	33	502	103	8	26	7	0	2	2	0	0	0	0	117	800	45
10:00	27	549	123	7	33	8	0	6	1	0	0	0	0	106	860	55
11:00	29	544	125	6	35	4	0	5	1	1	0	0	0	162	912	52
12 PM	39	604	136	4	26	7	0	2	1	0	0	0	0	146	965	40
13:00	23	650	107	11	24	10	0	3	2	0	0	0	0	112	942	50
14:00	30	629	118	9	27	5	1	1	1	0	0	0	0	142	963	44
15:00	39	678	123	3	19	3	0	2	0	0	0	0	0	163	1030	27
16:00	57	645	96	3	20	7	0	4	1	0	0	0	0	201	1034	35
17:00	62	661	94	3	19	9	0	2	2	0	0	0	0	189	1041	35
18:00	51	640	112	3	19	3	0	5	1	0	0	0	0	165	999	31
19:00	41	544	89	2	15	5	0	2	0	0	0	0	0	110	808	24
20:00	38	436	67	2	8	5	0	1	0	0	0	0	0	111	668	16
21:00	26	361	46	4	10	2	0	0	0	0	0	0	0	58	507	16
22:00	10	303	35	1	3	0	0	0	0	0	0	0	0	30	382	4
23:00	6	232	33	1	2	0	0	0	0	0	0	0	0	22	296	3
Total	637	9751	1827	113	382	90	3	39	19	1	0	0	3	2219	15084	650
Percent	4.2%	64.6%	12.1%	0.7%	2.5%	0.6%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	14.7%		4.3%
AM Peak Vol.	08:00	10:00	07:00	06:00	11:00	10:00	05:00	10:00	07:00	11:00			06:00	11:00	11:00	10:00
PM Peak Vol.	17:00	15:00	12:00	13:00	14:00	13:00	14:00	18:00	13:00					16:00	17:00	13:00
Grand Total	1171	19415	3578	251	753	177	6	79	42	3	1	1	3	4331	29811	1316
Percent	3.9%	65.1%	12.0%	0.8%	2.5%	0.6%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	14.5%		4.4%



**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

Start Time	23-Sep-13		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	*	*	*	*	73	49	66	44	*	*	*	*	*	*	70	46
01:00	*	*	*	*	49	28	57	29	*	*	*	*	*	*	53	28
02:00	*	*	*	*	26	18	33	22	*	*	*	*	*	*	30	20
03:00	*	*	*	*	31	24	35	19	*	*	*	*	*	*	33	22
04:00	*	*	*	*	57	35	59	38	*	*	*	*	*	*	58	36
05:00	*	*	*	*	156	87	165	75	*	*	*	*	*	*	160	81
06:00	*	*	*	*	409	162	336	180	*	*	*	*	*	*	372	171
07:00	*	*	*	*	512	235	512	229	*	*	*	*	*	*	512	232
08:00	*	*	*	*	528	239	520	258	*	*	*	*	*	*	524	248
09:00	*	*	*	*	440	253	454	282	*	*	*	*	*	*	447	268
10:00	*	*	*	*	427	330	458	323	*	*	*	*	*	*	442	326
11:00	*	*	*	*	465	330	492	322	*	*	*	*	*	*	478	326
12:00 PM	*	*	*	*	505	401	485	419	*	*	*	*	*	*	495	410
01:00	*	*	*	*	507	396	497	375	*	*	*	*	*	*	502	386
02:00	*	*	*	*	520	400	498	395	*	*	*	*	*	*	509	398
03:00	*	*	*	*	513	406	511	420	*	*	*	*	*	*	512	413
04:00	*	*	*	*	528	464	505	442	*	*	*	*	*	*	516	453
05:00	*	*	*	*	513	475	503	433	*	*	*	*	*	*	508	454
06:00	*	*	*	*	472	375	505	380	*	*	*	*	*	*	488	378
07:00	*	*	*	*	375	339	405	321	*	*	*	*	*	*	390	330
08:00	*	*	*	*	278	215	331	254	*	*	*	*	*	*	304	234
09:00	*	*	*	*	238	171	256	179	*	*	*	*	*	*	247	175
10:00	*	*	*	*	173	121	201	145	*	*	*	*	*	*	187	133
11:00	*	*	*	*	130	82	126	108	*	*	*	*	*	*	128	95
Total Day	0	0	0	0	7925	5635	8010	5692	0	0	0	0	0	0	7965	5663
AM Peak	-	-	-	-	08:00	10:00	08:00	10:00	-	-	-	-	-	-	08:00	10:00
Vol.	-	-	-	-	528	330	520	323	-	-	-	-	-	-	524	326
PM Peak	-	-	-	-	16:00	17:00	15:00	16:00	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	-	-	528	475	511	442	-	-	-	-	-	-	516	454

Comb. Total	0	0	13560	13702	0	0	0	13628
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

Start Time	25-Sep-13 Wed		NB		SB		Combined		26-Sep Thu	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	19	144	18	97	37	241	18	115	13	109	31	224			
12:15	23	118	15	96	38	214	17	128	13	108	30	236			
12:30	16	119	8	104	24	223	14	123	8	96	22	219			
12:45	15	124	8	104	23	228	17	119	10	106	27	225			
01:00	16	122	15	100	31	222	11	111	9	95	20	206			
01:15	10	121	6	95	16	216	22	138	6	92	28	230			
01:30	17	136	3	98	20	234	10	112	7	96	17	208			
01:45	6	128	4	103	10	231	14	136	7	92	21	228			
02:00	6	119	8	99	14	218	4	121	7	94	11	215			
02:15	7	<b>125</b>	2	106	9	231	13	<b>131</b>	5	104	18	235			
02:30	7	<b>156</b>	2	91	9	247	7	<b>123</b>	5	100	12	223			
02:45	6	<b>120</b>	6	104	12	224	9	<b>123</b>	5	97	14	220			
03:00	5	<b>139</b>	4	96	9	235	5	<b>139</b>	4	93	9	232			
03:15	7	108	6	103	13	211	11	120	2	110	13	230			
03:30	11	127	9	108	20	235	11	125	9	102	20	227			
03:45	8	139	5	99	13	<b>238</b>	8	127	4	115	12	242			
04:00	7	129	7	133	14	<b>262</b>	10	122	10	122	20	244			
04:15	10	142	8	99	18	<b>241</b>	12	132	5	96	17	228			
04:30	11	130	11	121	22	<b>251</b>	19	132	12	<b>116</b>	31	<b>248</b>			
04:45	29	127	9	<b>111</b>	38	238	18	119	11	<b>108</b>	29	<b>227</b>			
05:00	27	107	15	<b>125</b>	42	232	20	125	6	<b>115</b>	26	<b>240</b>			
05:15	39	127	15	<b>116</b>	54	243	39	133	18	<b>119</b>	57	<b>252</b>			
05:30	39	138	25	<b>127</b>	64	265	51	128	28	94	79	222			
05:45	51	141	32	107	83	248	55	117	23	105	78	222			
06:00	67	110	26	117	93	227	54	121	32	91	86	212			
06:15	98	140	36	76	134	216	83	138	45	106	128	244			
06:30	118	112	49	103	167	215	95	135	46	77	141	212			
06:45	126	110	51	79	177	189	104	111	57	106	161	217			
07:00	109	110	59	86	168	196	123	120	48	86	171	206			
07:15	131	96	59	78	190	174	111	91	56	85	167	176			
07:30	135	87	57	104	192	191	<b>147</b>	103	61	82	<b>208</b>	185			
07:45	<b>137</b>	82	60	71	197	153	<b>131</b>	91	64	68	<b>195</b>	159			
08:00	<b>139</b>	74	45	63	184	137	<b>142</b>	92	61	78	<b>203</b>	170			
08:15	<b>132</b>	78	57	66	189	144	<b>151</b>	89	65	56	<b>216</b>	145			
08:30	<b>137</b>	75	56	45	193	120	118	80	60	60	178	140			
08:45	120	51	81	41	201	92	109	70	72	60	181	130			
09:00	122	61	69	35	191	96	123	85	77	58	200	143			
09:15	109	63	57	39	166	102	107	57	60	41	167	98			
09:30	98	63	60	56	158	119	101	51	72	40	173	91			
09:45	111	51	67	41	178	92	123	63	73	40	196	103			
10:00	101	58	55	38	156	96	113	56	90	35	203	91			
10:15	112	47	<b>82</b>	29	194	76	106	64	78	40	184	104			
10:30	115	33	<b>90</b>	33	205	66	117	51	72	31	189	82			
10:45	99	35	<b>103</b>	21	202	56	122	30	<b>83</b>	39	205	69			
11:00	110	37	<b>83</b>	25	<b>193</b>	62	111	27	<b>80</b>	29	191	56			
11:15	105	32	75	23	<b>180</b>	55	111	39	<b>81</b>	32	192	71			
11:30	116	30	94	16	<b>210</b>	46	136	31	<b>95</b>	25	231	56			
11:45	134	31	78	18	<b>212</b>	49	134	29	66	22	200	51			
Total	3173	4752	1790	3845	4963	8597	3187	4823	1821	3871	5008	8694			
Day Total	7925		5635		13560		8010		5692		13702				
% Total	23.4%	35.0%	13.2%	28.4%			23.3%	35.2%	13.3%	28.3%					
Peak	-	07:45	02:15	10:15	04:45	11:00	03:45	-	07:30	02:15	10:45	04:30	07:30	04:30	
Vol.	-	545	540	358	479	795	992	-	571	516	339	458	822	967	
P.H.F.		0.980	0.865	0.869	0.943	0.938	0.947		0.945	0.928	0.892	0.939	0.951	0.959	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	122	110	*	*	*	116
01:00	*	*	77	86	*	*	*	82
02:00	*	*	44	55	*	*	*	50
03:00	*	*	55	54	*	*	*	54
04:00	*	*	92	97	*	*	*	94
05:00	*	*	243	240	*	*	*	242
06:00	*	*	571	516	*	*	*	544
07:00	*	*	747	741	*	*	*	744
08:00	*	*	767	778	*	*	*	772
09:00	*	*	693	736	*	*	*	714
10:00	*	*	757	781	*	*	*	769
11:00	*	*	<b>795</b>	<b>814</b>	*	*	*	<b>804</b>
12:00 PM	*	*	906	904	*	*	*	905
01:00	*	*	903	872	*	*	*	888
02:00	*	*	920	893	*	*	*	906
03:00	*	*	919	931	*	*	*	925
04:00	*	*	<b>992</b>	<b>947</b>	*	*	*	<b>970</b>
05:00	*	*	988	936	*	*	*	962
06:00	*	*	847	885	*	*	*	866
07:00	*	*	714	726	*	*	*	720
08:00	*	*	493	585	*	*	*	539
09:00	*	*	409	435	*	*	*	422
10:00	*	*	294	346	*	*	*	320
11:00	*	*	212	234	*	*	*	223
Total	0	0	13560	13702	0	0	0	13631
Percentage	0.0%	0.0%	99.5%	100.5%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	795	814	-	-	-	804
PM Peak	-	-	16:00	16:00	-	-	-	16:00
Vol.	-	-	992	947	-	-	-	970

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**NB**

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
09/25/1															
3	3	0	8	15	31	13	3	0	0	0	0	0	0	0	73
01:00	0	1	2	19	15	11	1	0	0	0	0	0	0	0	49
02:00	2	0	1	10	10	3	0	0	0	0	0	0	0	0	26
03:00	1	0	2	4	11	6	4	3	0	0	0	0	0	0	31
04:00	2	0	4	16	17	11	3	4	0	0	0	0	0	0	57
05:00	3	1	8	36	62	40	6	0	0	0	0	0	0	0	156
06:00	15	11	51	144	144	33	10	0	1	0	0	0	0	0	409
07:00	34	17	83	196	152	27	3	0	0	0	0	0	0	0	512
08:00	33	8	78	248	123	34	3	1	0	0	0	0	0	0	528
09:00	28	14	99	185	91	21	2	0	0	0	0	0	0	0	440
10:00	31	10	125	183	71	7	0	0	0	0	0	0	0	0	427
11:00	39	26	134	200	58	8	0	0	0	0	0	0	0	0	465
12 PM	56	63	178	156	47	5	0	0	0	0	0	0	0	0	505
13:00	53	33	178	182	53	6	2	0	0	0	0	0	0	0	507
14:00	66	42	158	195	51	8	0	0	0	0	0	0	0	0	520
15:00	98	56	180	143	31	3	2	0	0	0	0	0	0	0	513
16:00	95	81	180	143	27	1	1	0	0	0	0	0	0	0	528
17:00	81	54	167	164	43	4	0	0	0	0	0	0	0	0	513
18:00	42	32	147	172	74	4	1	0	0	0	0	0	0	0	472
19:00	22	11	83	167	86	5	1	0	0	0	0	0	0	0	375
20:00	16	4	55	119	69	15	0	0	0	0	0	0	0	0	278
21:00	16	2	21	95	82	18	3	1	0	0	0	0	0	0	238
22:00	5	2	14	75	56	17	3	0	1	0	0	0	0	0	173
23:00	7	2	4	38	60	16	2	1	0	0	0	0	0	0	130
<b>Total</b>	<b>748</b>	<b>470</b>	<b>1960</b>	<b>2905</b>	<b>1464</b>	<b>316</b>	<b>50</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7925</b>

Daily

15th Percentile :	12 MPH
50th Percentile :	25 MPH
85th Percentile :	31 MPH
95th Percentile :	35 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	23-32 MPH
Number in Pace :	4223
Percent in Pace :	53.3%
Number of Vehicles > 30 MPH :	1842
Percent of Vehicles > 30 MPH :	23.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/26/13																
01:00	1	0	7	18	25	14	1	0	0	0	0	0	0	0	0	66
02:00	0	2	7	15	22	10	1	0	0	0	0	0	0	0	0	57
03:00	0	2	2	8	13	5	2	1	0	0	0	0	0	0	0	33
04:00	1	0	1	8	13	6	6	0	0	0	0	0	0	0	0	35
05:00	1	1	1	20	21	11	4	0	0	0	0	0	0	0	0	59
06:00	5	0	9	44	70	28	6	2	0	1	0	0	0	0	0	165
07:00	15	8	27	131	112	40	3	0	0	0	0	0	0	0	0	336
08:00	35	29	111	216	107	13	1	0	0	0	0	0	0	0	0	512
09:00	32	18	134	214	106	14	2	0	0	0	0	0	0	0	0	520
10:00	46	16	126	191	64	11	0	0	0	0	0	0	0	0	0	454
11:00	50	35	166	147	54	6	0	0	0	0	0	0	0	0	0	458
12 PM	64	72	174	146	34	2	0	0	0	0	0	0	0	0	0	492
01:00	87	69	178	124	27	0	0	0	0	0	0	0	0	0	0	485
02:00	37	47	183	185	42	3	0	0	0	0	0	0	0	0	0	497
03:00	78	49	187	138	41	5	0	0	0	0	0	0	0	0	0	498
04:00	58	57	189	164	39	3	0	1	0	0	0	0	0	0	0	511
05:00	69	89	174	141	28	2	2	0	0	0	0	0	0	0	0	505
06:00	77	52	170	154	42	7	1	0	0	0	0	0	0	0	0	503
07:00	115	71	176	120	18	4	1	0	0	0	0	0	0	0	0	505
08:00	21	22	153	163	40	6	0	0	0	0	0	0	0	0	0	405
09:00	25	8	82	145	61	6	4	0	0	0	0	0	0	0	0	331
10:00	12	3	45	110	68	12	2	3	1	0	0	0	0	0	0	256
11:00	8	4	20	77	73	12	6	0	0	1	0	0	0	0	0	201
12:00	4	2	7	36	54	20	3	0	0	0	0	0	0	0	0	126
<b>Total</b>	<b>841</b>	<b>656</b>	<b>2329</b>	<b>2715</b>	<b>1174</b>	<b>240</b>	<b>45</b>	<b>7</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8010</b>

Daily

- 15th Percentile : 11 MPH
- 50th Percentile : 24 MPH
- 85th Percentile : 30 MPH
- 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH

10 MPH Pace Speed : 22-31 MPH

- Number in Pace : 4164
- Percent in Pace : 52.0%
- Number of Vehicles > 30 MPH : 1469
- Percent of Vehicles > 30 MPH : 18.3%

<b>Grand Total</b>	<b>1589</b>	<b>1126</b>	<b>4289</b>	<b>5620</b>	<b>2638</b>	<b>556</b>	<b>95</b>	<b>17</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15935</b>
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Overall

- 15th Percentile : 12 MPH
- 50th Percentile : 24 MPH
- 85th Percentile : 31 MPH
- 95th Percentile : 35 MPH

Mean Speed(Average) : 24 MPH

10 MPH Pace Speed : 22-31 MPH

- Number in Pace : 8370
- Percent in Pace : 52.5%
- Number of Vehicles > 30 MPH : 3311
- Percent of Vehicles > 30 MPH : 20.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**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
09/25/1															
3	2	1	9	18	15	4	0	0	0	0	0	0	0	0	49
01:00	1	0	4	11	6	5	1	0	0	0	0	0	0	0	28
02:00	1	0	2	5	6	4	0	0	0	0	0	0	0	0	18
03:00	1	0	1	7	12	3	0	0	0	0	0	0	0	0	24
04:00	2	1	4	7	11	8	2	0	0	0	0	0	0	0	35
05:00	7	1	9	31	20	14	5	0	0	0	0	0	0	0	87
06:00	18	2	30	47	53	10	2	0	0	0	0	0	0	0	162
07:00	36	12	30	90	48	15	4	0	0	0	0	0	0	0	235
08:00	25	5	42	95	64	8	0	0	0	0	0	0	0	0	239
09:00	27	17	55	99	41	12	2	0	0	0	0	0	0	0	253
10:00	49	24	100	118	33	6	0	0	0	0	0	0	0	0	330
11:00	38	31	91	130	35	4	1	0	0	0	0	0	0	0	330
12 PM	57	47	129	137	28	2	1	0	0	0	0	0	0	0	401
13:00	61	39	132	121	39	3	1	0	0	0	0	0	0	0	396
14:00	58	39	122	134	46	1	0	0	0	0	0	0	0	0	400
15:00	93	53	145	95	20	0	0	0	0	0	0	0	0	0	406
16:00	85	83	185	96	13	2	0	0	0	0	0	0	0	0	464
17:00	81	79	189	102	23	1	0	0	0	0	0	0	0	0	475
18:00	44	32	125	137	34	3	0	0	0	0	0	0	0	0	375
19:00	32	21	107	132	43	4	0	0	0	0	0	0	0	0	339
20:00	11	10	41	98	49	5	1	0	0	0	0	0	0	0	215
21:00	15	6	29	73	43	5	0	0	0	0	0	0	0	0	171
22:00	4	2	16	48	39	10	1	1	0	0	0	0	0	0	121
23:00	6	2	9	27	28	7	3	0	0	0	0	0	0	0	82
<b>Total</b>	<b>754</b>	<b>507</b>	<b>1606</b>	<b>1858</b>	<b>749</b>	<b>136</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5635</b>

Daily

15th Percentile :	10 MPH
50th Percentile :	23 MPH
85th Percentile :	30 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	22 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	2781
Percent in Pace :	49.4%
Number of Vehicles > 30 MPH :	910
Percent of Vehicles > 30 MPH :	16.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**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
09/26/1															
3	5	0	5	14	13	6	1	0	0	0	0	0	0	0	44
01:00	1	0	3	15	6	4	0	0	0	0	0	0	0	0	29
02:00	1	1	1	7	8	3	0	1	0	0	0	0	0	0	22
03:00	0	0	1	4	10	4	0	0	0	0	0	0	0	0	19
04:00	3	1	3	9	10	9	1	1	1	0	0	0	0	0	38
05:00	6	4	10	22	21	11	1	0	0	0	0	0	0	0	75
06:00	19	4	24	63	54	10	5	1	0	0	0	0	0	0	180
07:00	35	16	33	83	52	9	1	0	0	0	0	0	0	0	229
08:00	36	12	52	110	41	5	2	0	0	0	0	0	0	0	258
09:00	35	17	68	114	44	4	0	0	0	0	0	0	0	0	282
10:00	56	31	110	99	24	2	1	0	0	0	0	0	0	0	323
11:00	64	37	115	88	16	2	0	0	0	0	0	0	0	0	322
12 PM	67	59	146	122	22	2	1	0	0	0	0	0	0	0	419
13:00	39	29	139	127	39	2	0	0	0	0	0	0	0	0	375
14:00	80	39	138	99	33	4	2	0	0	0	0	0	0	0	395
15:00	62	53	141	123	31	9	0	1	0	0	0	0	0	0	420
16:00	78	47	176	124	15	2	0	0	0	0	0	0	0	0	442
17:00	73	45	151	129	31	3	1	0	0	0	0	0	0	0	433
18:00	69	54	142	91	21	3	0	0	0	0	0	0	0	0	380
19:00	35	49	128	96	13	0	0	0	0	0	0	0	0	0	321
20:00	23	7	71	103	40	10	0	0	0	0	0	0	0	0	254
21:00	7	9	29	70	58	4	2	0	0	0	0	0	0	0	179
22:00	5	5	21	56	41	14	2	0	1	0	0	0	0	0	145
23:00	5	4	9	29	39	16	4	2	0	0	0	0	0	0	108
<b>Total</b>	<b>804</b>	<b>523</b>	<b>1716</b>	<b>1797</b>	<b>682</b>	<b>138</b>	<b>24</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5692</b>

Daily

15th Percentile : 9 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 29 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 22 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 2792  
 Percent in Pace : 49.1%  
 Number of Vehicles > 30 MPH : 852  
 Percent of Vehicles > 30 MPH : 15.0%

<b>Grand Total</b>	<b>1558</b>	<b>1030</b>	<b>3322</b>	<b>3655</b>	<b>1431</b>	<b>274</b>	<b>48</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11327</b>
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Overall

15th Percentile : 9 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 22 MPH  
 10 MPH Pace Speed : 21-30 MPH  
 Number in Pace : 5569  
 Percent in Pace : 49.2%  
 Number of Vehicles > 30 MPH : 1762  
 Percent of Vehicles > 30 MPH : 15.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**NB, 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
09/25/1															
3	5	1	17	33	46	17	3	0	0	0	0	0	0	0	122
01:00	1	1	6	30	21	16	2	0	0	0	0	0	0	0	77
02:00	3	0	3	15	16	7	0	0	0	0	0	0	0	0	44
03:00	2	0	3	11	23	9	4	3	0	0	0	0	0	0	55
04:00	4	1	8	23	28	19	5	4	0	0	0	0	0	0	92
05:00	10	2	17	67	82	54	11	0	0	0	0	0	0	0	243
06:00	33	13	81	191	197	43	12	0	1	0	0	0	0	0	571
07:00	70	29	113	286	200	42	7	0	0	0	0	0	0	0	747
08:00	58	13	120	343	187	42	3	1	0	0	0	0	0	0	767
09:00	55	31	154	284	132	33	4	0	0	0	0	0	0	0	693
10:00	80	34	225	301	104	13	0	0	0	0	0	0	0	0	757
11:00	77	57	225	330	93	12	1	0	0	0	0	0	0	0	795
12 PM	113	110	307	293	75	7	1	0	0	0	0	0	0	0	906
13:00	114	72	310	303	92	9	3	0	0	0	0	0	0	0	903
14:00	124	81	280	329	97	9	0	0	0	0	0	0	0	0	920
15:00	191	109	325	238	51	3	2	0	0	0	0	0	0	0	919
16:00	180	164	365	239	40	3	1	0	0	0	0	0	0	0	992
17:00	162	133	356	266	66	5	0	0	0	0	0	0	0	0	988
18:00	86	64	272	309	108	7	1	0	0	0	0	0	0	0	847
19:00	54	32	190	299	129	9	1	0	0	0	0	0	0	0	714
20:00	27	14	96	217	118	20	1	0	0	0	0	0	0	0	493
21:00	31	8	50	168	125	23	3	1	0	0	0	0	0	0	409
22:00	9	4	30	123	95	27	4	1	1	0	0	0	0	0	294
23:00	13	4	13	65	88	23	5	1	0	0	0	0	0	0	212
<b>Total</b>	<b>1502</b>	<b>977</b>	<b>3566</b>	<b>4763</b>	<b>2213</b>	<b>452</b>	<b>74</b>	<b>11</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13560</b>

Daily

15th Percentile : 11 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 6983  
 Percent in Pace : 51.5%  
 Number of Vehicles > 30 MPH : 2752  
 Percent of Vehicles > 30 MPH : 20.3%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**NB, 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
09/26/13	6	0	12	32	38	20	2	0	0	0	0	0	0	0	110
01:00	1	2	10	30	28	14	1	0	0	0	0	0	0	0	86
02:00	1	3	3	15	21	8	2	2	0	0	0	0	0	0	55
03:00	1	0	2	12	23	10	6	0	0	0	0	0	0	0	54
04:00	4	2	4	29	31	20	5	1	1	0	0	0	0	0	97
05:00	11	4	19	66	91	39	7	2	0	1	0	0	0	0	240
06:00	34	12	51	194	166	50	8	1	0	0	0	0	0	0	516
07:00	70	45	144	299	159	22	2	0	0	0	0	0	0	0	741
08:00	68	30	186	324	147	19	4	0	0	0	0	0	0	0	778
09:00	81	33	194	305	108	15	0	0	0	0	0	0	0	0	736
10:00	106	66	276	246	78	8	1	0	0	0	0	0	0	0	781
11:00	128	109	289	234	50	4	0	0	0	0	0	0	0	0	814
12 PM	154	128	324	246	49	2	1	0	0	0	0	0	0	0	904
13:00	76	76	322	312	81	5	0	0	0	0	0	0	0	0	872
14:00	158	88	325	237	74	9	2	0	0	0	0	0	0	0	893
15:00	120	110	330	287	70	12	0	2	0	0	0	0	0	0	931
16:00	147	136	350	265	43	4	2	0	0	0	0	0	0	0	947
17:00	150	97	321	283	73	10	2	0	0	0	0	0	0	0	936
18:00	184	125	318	211	39	7	1	0	0	0	0	0	0	0	885
19:00	56	71	281	259	53	6	0	0	0	0	0	0	0	0	726
20:00	48	15	153	248	101	16	4	0	0	0	0	0	0	0	585
21:00	19	12	74	180	126	16	4	3	1	0	0	0	0	0	435
22:00	13	9	41	133	114	26	8	0	1	1	0	0	0	0	346
23:00	9	6	16	65	93	36	7	2	0	0	0	0	0	0	234
<b>Total</b>	<b>1645</b>	<b>1179</b>	<b>4045</b>	<b>4512</b>	<b>1856</b>	<b>378</b>	<b>69</b>	<b>13</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13702</b>

Daily

15th Percentile : 10 MPH  
 50th Percentile : 23 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 6934  
 Percent in Pace : 50.6%  
 Number of Vehicles > 30 MPH : 2321  
 Percent of Vehicles > 30 MPH : 16.9%

<b>Grand Total</b>	<b>3147</b>	<b>2156</b>	<b>7611</b>	<b>9275</b>	<b>4069</b>	<b>830</b>	<b>143</b>	<b>24</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27262</b>
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Overall

15th Percentile : 11 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 23 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 13916  
 Percent in Pace : 51.0%  
 Number of Vehicles > 30 MPH : 5073  
 Percent of Vehicles > 30 MPH : 18.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

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	Truck Total
09/25/1															
3	0	64	7	0	1	0	0	0	1	0	0	0	0	73	2
01:00	0	40	7	0	2	0	0	0	0	0	0	0	0	49	2
02:00	1	20	5	0	0	0	0	0	0	0	0	0	0	26	0
03:00	0	19	8	0	2	1	0	0	1	0	0	0	0	31	4
04:00	0	41	15	1	0	0	0	0	0	0	0	0	0	57	1
05:00	0	116	28	4	7	0	0	1	0	0	0	0	0	156	12
06:00	1	283	75	21	22	3	0	2	1	0	0	0	0	408	49
07:00	6	362	105	9	22	1	0	5	0	0	0	0	0	510	37
08:00	2	376	120	6	17	2	0	2	2	0	0	0	0	527	29
09:00	4	316	89	5	19	2	0	4	0	0	0	0	0	439	30
10:00	1	319	78	4	18	5	0	1	1	0	0	0	0	427	29
11:00	7	308	109	7	25	3	0	3	0	0	0	0	0	462	38
12 PM	5	392	80	5	13	3	1	1	1	0	0	0	0	501	24
13:00	2	385	91	4	15	4	0	4	0	0	0	0	0	505	27
14:00	4	381	104	5	17	3	0	1	1	0	0	0	0	516	27
15:00	11	402	75	3	14	3	0	3	0	0	0	0	0	511	23
16:00	11	414	82	1	13	3	0	0	0	0	0	0	0	524	17
17:00	7	405	84	2	8	2	0	2	0	0	0	0	0	510	14
18:00	5	379	73	4	6	1	0	1	0	0	0	0	0	469	12
19:00	6	301	60	1	6	0	0	1	0	0	0	0	0	375	8
20:00	3	225	45	1	3	0	0	1	0	0	0	0	0	278	5
21:00	7	192	28	1	8	1	0	1	0	0	0	0	0	238	11
22:00	2	149	20	1	1	0	0	0	0	0	0	0	0	173	2
23:00	1	113	14	0	2	0	0	0	0	0	0	0	0	130	2
Total	86	6002	1402	85	241	37	1	33	8	0	0	0	0	7895	405
Percent	1.1%	76.0%	17.8%	1.1%	3.1%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.1%
AM Peak Vol.	7	376	120	21	25	5		5	2					527	49
PM Peak Vol.	11	414	104	5	17	4	1	4	1					524	27

**Old Colony Planning Council**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**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	Truck Total
09/26/1															
3	1	55	5	0	5	0	0	0	0	0	0	0	0	66	5
01:00	0	49	4	0	4	0	0	0	0	0	0	0	0	57	4
02:00	0	30	3	0	0	0	0	0	0	0	0	0	0	33	0
03:00	0	24	7	1	2	0	0	0	1	0	0	0	0	35	4
04:00	0	40	13	2	3	1	0	0	0	0	0	0	0	59	6
05:00	1	118	28	3	14	0	1	0	0	0	0	0	0	165	18
06:00	1	224	75	18	16	1	0	0	0	0	0	0	0	335	35
07:00	4	350	118	11	23	0	0	4	0	0	0	0	0	510	38
08:00	5	372	112	4	22	2	0	2	1	0	0	0	0	520	31
09:00	13	313	93	5	21	3	0	3	1	0	0	0	0	452	33
10:00	5	338	82	2	21	2	0	5	0	0	0	0	0	455	30
11:00	14	353	97	3	14	4	0	4	1	0	0	0	0	490	26
12 PM	6	353	94	4	18	1	0	5	2	0	0	0	0	483	30
13:00	5	381	88	2	14	1	0	3	1	0	0	0	0	495	21
14:00	12	385	66	8	17	5	0	2	1	0	0	0	0	496	33
15:00	11	383	98	2	9	2	0	1	1	0	0	0	0	507	15
16:00	7	391	82	4	14	4	0	2	0	0	0	0	0	504	24
17:00	7	391	88	0	13	0	0	1	1	0	0	0	0	501	15
18:00	6	407	77	0	9	2	0	2	0	0	0	0	0	503	13
19:00	5	322	64	1	8	3	0	2	0	0	0	0	0	405	14
20:00	8	262	53	0	5	2	0	0	0	0	0	0	0	330	7
21:00	5	203	41	2	3	1	0	0	1	0	0	0	0	256	7
22:00	2	172	25	1	0	1	0	0	0	0	0	0	0	201	2
23:00	1	106	19	0	0	0	0	0	0	0	0	0	0	126	0
<b>Total</b>	<b>119</b>	<b>6022</b>	<b>1432</b>	<b>73</b>	<b>255</b>	<b>35</b>	<b>1</b>	<b>36</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7984</b>	<b>411</b>
<b>Percent</b>	<b>1.5%</b>	<b>75.4%</b>	<b>17.9%</b>	<b>0.9%</b>	<b>3.2%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>5.1%</b>
<b>AM Peak</b>	11:00	08:00	07:00	06:00	07:00	11:00	05:00	10:00	03:00					08:00	07:00
<b>Vol.</b>	14	372	118	18	23	4	1	5	1					520	38
<b>PM Peak</b>	14:00	18:00	15:00	14:00	12:00	14:00		12:00	12:00					15:00	14:00
<b>Vol.</b>	12	407	98	8	18	5		5	2					507	33
<b>Grand Total</b>	<b>205</b>	<b>12024</b>	<b>2834</b>	<b>158</b>	<b>496</b>	<b>72</b>	<b>2</b>	<b>69</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15879</b>	<b>816</b>
<b>Percent</b>	<b>1.3%</b>	<b>75.7%</b>	<b>17.8%</b>	<b>1.0%</b>	<b>3.1%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>5.1%</b>

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

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	Truck Total
09/25/1															
3	0	42	6	1	0	0	0	0	0	0	0	0	0	49	1
01:00	0	28	0	0	0	0	0	0	0	0	0	0	0	28	0
02:00	0	12	3	1	1	0	0	1	0	0	0	0	0	18	3
03:00	1	20	3	0	0	0	0	0	0	0	0	0	0	24	0
04:00	1	30	3	1	0	0	0	0	0	0	0	0	0	35	1
05:00	1	66	14	2	2	0	0	2	0	0	0	0	0	87	6
06:00	3	118	26	5	5	2	1	1	0	0	0	0	0	161	14
07:00	5	174	40	1	5	5	1	0	2	0	0	0	0	233	14
08:00	3	182	40	1	6	2	0	3	0	0	0	0	0	237	12
09:00	2	190	45	3	7	4	0	0	0	0	0	0	0	251	14
10:00	4	238	70	3	4	5	3	1	0	0	0	0	0	328	16
11:00	4	257	57	0	5	1	0	1	0	1	0	0	0	326	8
12 PM	5	307	71	1	7	3	1	1	0	0	0	0	1	397	14
13:00	9	300	66	3	6	6	0	3	0	0	0	0	0	393	18
14:00	12	296	71	3	10	3	0	1	0	0	0	0	0	396	17
15:00	18	297	66	1	10	8	0	3	0	1	0	0	0	404	23
16:00	16	352	68	1	9	10	0	2	1	0	0	0	2	461	25
17:00	16	372	67	0	12	4	0	1	0	0	0	0	0	472	17
18:00	5	308	56	1	4	1	0	0	0	0	0	0	0	375	6
19:00	3	292	37	2	3	0	0	1	0	0	0	0	0	338	6
20:00	0	191	21	1	2	0	0	0	0	0	0	0	0	215	3
21:00	6	142	17	1	3	2	0	0	0	0	0	0	0	171	6
22:00	0	109	8	2	2	0	0	0	0	0	0	0	0	121	4
23:00	2	70	8	1	1	0	0	0	0	0	0	0	0	82	2
<b>Total</b>	<b>116</b>	<b>4393</b>	<b>863</b>	<b>35</b>	<b>104</b>	<b>56</b>	<b>6</b>	<b>21</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5602</b>	<b>230</b>
<b>Percent</b>	<b>2.1%</b>	<b>78.4%</b>	<b>15.4%</b>	<b>0.6%</b>	<b>1.9%</b>	<b>1.0%</b>	<b>0.1%</b>	<b>0.4%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.1%</b>		<b>4.1%</b>
<b>AM Peak</b>	<b>07:00</b>	<b>11:00</b>	<b>10:00</b>	<b>06:00</b>	<b>09:00</b>	<b>07:00</b>	<b>10:00</b>	<b>08:00</b>	<b>07:00</b>	<b>11:00</b>				<b>10:00</b>	<b>10:00</b>
<b>Vol.</b>	<b>5</b>	<b>257</b>	<b>70</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>				<b>328</b>	<b>16</b>
<b>PM Peak</b>	<b>15:00</b>	<b>17:00</b>	<b>12:00</b>	<b>13:00</b>	<b>17:00</b>	<b>16:00</b>	<b>12:00</b>	<b>13:00</b>	<b>16:00</b>	<b>15:00</b>			<b>16:00</b>	<b>17:00</b>	<b>16:00</b>
<b>Vol.</b>	<b>18</b>	<b>372</b>	<b>71</b>	<b>3</b>	<b>12</b>	<b>10</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>			<b>2</b>	<b>472</b>	<b>25</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

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	Truck Total
09/26/1															
3	2	39	3	0	0	0	0	0	0	0	0	0	0	44	0
01:00	0	27	2	0	0	0	0	0	0	0	0	0	0	29	0
02:00	1	18	3	0	0	0	0	0	0	0	0	0	0	22	0
03:00	0	18	0	1	0	0	0	0	0	0	0	0	0	19	1
04:00	1	32	4	1	0	0	0	0	0	0	0	0	0	38	1
05:00	2	52	13	0	3	4	1	0	0	0	0	0	0	75	8
06:00	3	133	31	2	8	1	0	0	0	0	0	0	0	178	11
07:00	3	166	44	2	7	4	0	1	0	0	0	0	0	227	14
08:00	5	193	45	1	4	5	2	0	1	0	0	0	0	256	13
09:00	2	221	40	2	3	8	2	0	1	0	0	0	0	279	16
10:00	5	238	64	0	11	3	0	1	0	0	0	0	0	322	15
11:00	8	241	55	1	10	5	0	0	0	0	0	0	0	320	16
12 PM	11	330	64	2	3	5	0	0	0	0	0	0	0	415	10
13:00	6	296	58	2	6	4	0	1	1	0	0	0	0	374	14
14:00	14	290	77	2	7	2	0	1	0	0	0	0	0	393	12
15:00	14	317	71	3	7	3	0	1	0	0	0	0	0	416	14
16:00	15	346	57	1	12	8	0	0	1	0	0	0	0	440	22
17:00	18	342	58	0	7	3	0	1	0	0	0	0	0	429	11
18:00	13	291	60	0	8	5	0	1	0	0	0	0	0	378	14
19:00	5	261	46	1	2	3	0	0	0	0	0	0	0	318	6
20:00	3	214	32	0	4	1	0	0	0	0	0	0	0	254	5
21:00	3	152	19	1	4	0	0	0	0	0	0	0	0	179	5
22:00	2	130	10	2	1	0	0	0	0	0	0	0	0	145	3
23:00	2	92	13	1	0	0	0	0	0	0	0	0	0	108	1
<b>Total</b>	<b>138</b>	<b>4439</b>	<b>869</b>	<b>25</b>	<b>107</b>	<b>64</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5658</b>	<b>212</b>
<b>Percent</b>	<b>2.4%</b>	<b>78.5%</b>	<b>15.4%</b>	<b>0.4%</b>	<b>1.9%</b>	<b>1.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.7%</b>
<b>AM Peak</b>	11:00	11:00	10:00	06:00	10:00	09:00	08:00	07:00	08:00					10:00	09:00
<b>Vol.</b>	8	241	64	2	11	8	2	1	1					322	16
<b>PM Peak</b>	17:00	16:00	14:00	15:00	16:00	16:00		13:00	13:00					16:00	16:00
<b>Vol.</b>	18	346	77	3	12	8		1	1					440	22
<b>Grand Total</b>	254	8832	1732	60	211	120	11	28	7	2	0	0	3	11260	442
<b>Percent</b>	2.3%	78.4%	15.4%	0.5%	1.9%	1.1%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

**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	Truck Total
09/25/1															
3	0	106	13	1	1	0	0	0	1	0	0	0	0	122	3
01:00	0	68	7	0	2	0	0	0	0	0	0	0	0	77	2
02:00	1	32	8	1	1	0	0	1	0	0	0	0	0	44	3
03:00	1	39	11	0	2	1	0	0	1	0	0	0	0	55	4
04:00	1	71	18	2	0	0	0	0	0	0	0	0	0	92	2
05:00	1	182	42	6	9	0	0	3	0	0	0	0	0	243	18
06:00	4	401	101	26	27	5	1	3	1	0	0	0	0	569	63
07:00	11	536	145	10	27	6	1	5	2	0	0	0	0	743	51
08:00	5	558	160	7	23	4	0	5	2	0	0	0	0	764	41
09:00	6	506	134	8	26	6	0	4	0	0	0	0	0	690	44
10:00	5	557	148	7	22	10	3	2	1	0	0	0	0	755	45
11:00	11	565	166	7	30	4	0	4	0	1	0	0	0	788	46
12 PM	10	699	151	6	20	6	2	2	1	0	0	0	1	898	38
13:00	11	685	157	7	21	10	0	7	0	0	0	0	0	898	45
14:00	16	677	175	8	27	6	0	2	1	0	0	0	0	912	44
15:00	29	699	141	4	24	11	0	6	0	1	0	0	0	915	46
16:00	27	766	150	2	22	13	0	2	1	0	0	0	2	985	42
17:00	23	777	151	2	20	6	0	3	0	0	0	0	0	982	31
18:00	10	687	129	5	10	2	0	1	0	0	0	0	0	844	18
19:00	9	593	97	3	9	0	0	2	0	0	0	0	0	713	14
20:00	3	416	66	2	5	0	0	1	0	0	0	0	0	493	8
21:00	13	334	45	2	11	3	0	1	0	0	0	0	0	409	17
22:00	2	258	28	3	3	0	0	0	0	0	0	0	0	294	6
23:00	3	183	22	1	3	0	0	0	0	0	0	0	0	212	4
<b>Total</b>	202	10395	2265	120	345	93	7	54	11	2	0	0	3	13497	635
<b>Percent</b>	1.5%	77.0%	16.8%	0.9%	2.6%	0.7%	0.1%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		4.7%
<b>AM Peak Vol.</b>	07:00	11:00	11:00	06:00	11:00	10:00	10:00	07:00	07:00	11:00				11:00	06:00
	11	565	166	26	30	10	3	5	2	1				788	63
<b>PM Peak Vol.</b>	15:00	17:00	14:00	14:00	14:00	16:00	12:00	13:00	12:00	15:00			16:00	16:00	15:00
	29	777	175	8	27	13	2	7	1	1			2	985	46

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Community: Brockton  
 Com#\_UR/FC: 44\_U5  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Main St, north of Forest Ave

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	Truck Total
09/26/1															
3	3	94	8	0	5	0	0	0	0	0	0	0	0	110	5
01:00	0	76	6	0	4	0	0	0	0	0	0	0	0	86	4
02:00	1	48	6	0	0	0	0	0	0	0	0	0	0	55	0
03:00	0	42	7	2	2	0	0	0	1	0	0	0	0	54	5
04:00	1	72	17	3	3	1	0	0	0	0	0	0	0	97	7
05:00	3	170	41	3	17	4	2	0	0	0	0	0	0	240	26
06:00	4	357	106	20	24	2	0	0	0	0	0	0	0	513	46
07:00	7	516	162	13	30	4	0	5	0	0	0	0	0	737	52
08:00	10	565	157	5	26	7	2	2	2	0	0	0	0	776	44
09:00	15	534	133	7	24	11	2	3	2	0	0	0	0	731	49
10:00	10	576	146	2	32	5	0	6	0	0	0	0	0	777	45
11:00	22	594	152	4	24	9	0	4	1	0	0	0	0	810	42
12 PM	17	683	158	6	21	6	0	5	2	0	0	0	0	898	40
13:00	11	677	146	4	20	5	0	4	2	0	0	0	0	869	35
14:00	26	675	143	10	24	7	0	3	1	0	0	0	0	889	45
15:00	25	700	169	5	16	5	0	2	1	0	0	0	0	923	29
16:00	22	737	139	5	26	12	0	2	1	0	0	0	0	944	46
17:00	25	733	146	0	20	3	0	2	1	0	0	0	0	930	26
18:00	19	698	137	0	17	7	0	3	0	0	0	0	0	881	27
19:00	10	583	110	2	10	6	0	2	0	0	0	0	0	723	20
20:00	11	476	85	0	9	3	0	0	0	0	0	0	0	584	12
21:00	8	355	60	3	7	1	0	0	1	0	0	0	0	435	12
22:00	4	302	35	3	1	1	0	0	0	0	0	0	0	346	5
23:00	3	198	32	1	0	0	0	0	0	0	0	0	0	234	1
<b>Total</b>	<b>257</b>	<b>10461</b>	<b>2301</b>	<b>98</b>	<b>362</b>	<b>99</b>	<b>6</b>	<b>43</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13642</b>	<b>623</b>
<b>Percent</b>	<b>1.9%</b>	<b>76.7%</b>	<b>16.9%</b>	<b>0.7%</b>	<b>2.7%</b>	<b>0.7%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.6%</b>
<b>AM Peak</b>	11:00	11:00	07:00	06:00	10:00	09:00	05:00	10:00	08:00					11:00	07:00
<b>Vol.</b>	22	594	162	20	32	11	2	6	2					810	52
<b>PM Peak</b>	14:00	16:00	15:00	14:00	16:00	16:00		12:00	12:00					16:00	16:00
<b>Vol.</b>	26	737	169	10	26	12		5	2					944	46
<b>Grand Total</b>	459	20856	4566	218	707	192	13	97	26	2	0	0	3	27139	1258
<b>Percent</b>	1.7%	76.8%	16.8%	0.8%	2.6%	0.7%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		4.6%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

Start Time	16-Sep-13		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	*	*	*	*	10	8	4	11	*	*	*	*	*	*	7	10
01:00	*	*	*	*	0	4	1	9	*	*	*	*	*	*	0	6
02:00	*	*	*	*	1	3	1	5	*	*	*	*	*	*	1	4
03:00	*	*	*	*	1	2	1	1	*	*	*	*	*	*	1	2
04:00	*	*	*	*	2	5	0	3	*	*	*	*	*	*	1	4
05:00	*	*	*	*	8	26	9	24	*	*	*	*	*	*	8	25
06:00	*	*	*	*	40	60	49	64	*	*	*	*	*	*	44	62
07:00	*	*	*	*	76	83	63	80	*	*	*	*	*	*	70	82
08:00	*	*	*	*	70	99	70	144	*	*	*	*	*	*	70	122
09:00	*	*	*	*	100	135	105	106	*	*	*	*	*	*	102	120
10:00	*	*	*	*	104	149	98	146	*	*	*	*	*	*	101	148
11:00	*	*	*	*	127	159	119	123	*	*	*	*	*	*	123	141
12:00 PM	*	*	*	*	125	158	122	147	*	*	*	*	*	*	124	152
01:00	*	*	*	*	141	156	129	133	*	*	*	*	*	*	135	144
02:00	*	*	*	*	133	168	145	177	*	*	*	*	*	*	139	172
03:00	*	*	*	*	187	155	193	171	*	*	*	*	*	*	190	163
04:00	*	*	*	*	203	180	199	189	*	*	*	*	*	*	201	184
05:00	*	*	*	*	171	162	258	147	*	*	*	*	*	*	214	154
06:00	*	*	*	*	168	145	197	147	*	*	*	*	*	*	182	146
07:00	*	*	*	*	144	111	136	133	*	*	*	*	*	*	140	122
08:00	*	*	*	*	102	71	98	101	*	*	*	*	*	*	100	86
09:00	*	*	*	*	51	49	64	62	*	*	*	*	*	*	58	56
10:00	*	*	*	*	32	28	34	34	*	*	*	*	*	*	33	31
11:00	*	*	*	*	19	17	17	22	*	*	*	*	*	*	18	20
Total Day	0	0	0	0	2015	2133	2112	2179	0	0	0	0	0	0	2062	2156
AM Peak	-	-	-	-	11:00	11:00	11:00	10:00	-	-	-	-	-	-	11:00	10:00
Vol.	-	-	-	-	127	159	119	146	-	-	-	-	-	-	123	148
PM Peak	-	-	-	-	16:00	16:00	17:00	16:00	-	-	-	-	-	-	17:00	16:00
Vol.	-	-	-	-	203	180	258	189	-	-	-	-	-	-	214	184

Comb. Total	0	0	4148	4291	0	0	0	4218
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

Start Time	18-Sep-13		EB		WB		Combined		19-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			4	29	4	45	8	74			2	27	8	33	10	60
12:15			3	33	2	31	5	64			1	41	0	40	1	81
12:30			2	37	0	39	2	76			0	24	1	32	1	56
12:45			1	26	2	43	3	69			1	30	2	42	3	72
01:00			0	39	1	41	1	80			0	34	3	39	3	73
01:15			0	31	0	42	0	73			0	21	1	26	1	47
01:30			0	38	1	39	1	77			1	38	3	29	4	67
01:45			0	33	2	34	2	67			0	36	2	39	2	75
02:00			0	43	1	42	1	85			0	31	1	44	1	75
02:15			0	28	0	45	0	73			1	33	1	40	2	73
02:30			1	30	2	40	3	70			0	51	1	35	1	86
02:45			0	32	0	41	0	73			0	30	2	58	2	88
03:00			0	37	1	52	1	89			0	47	0	44	0	91
03:15			0	54	0	34	0	88			0	43	1	45	1	88
03:30			0	49	0	36	0	85			0	41	0	44	0	85
03:45			1	47	1	33	2	80			1	62	0	38	1	100
04:00			0	39	0	45	0	84			0	42	1	43	1	85
04:15			2	50	0	33	2	83			0	57	0	38	0	95
04:30			0	58	3	53	3	111			0	54	2	49	2	103
04:45			0	56	2	49	2	105			0	46	0	59	0	105
05:00			3	45	2	33	5	78			4	52	3	39	7	91
05:15			0	50	5	40	5	90			1	56	3	33	4	89
05:30			2	37	11	53	13	90			0	68	8	40	8	108
05:45			3	39	8	36	11	75			4	82	10	35	14	117
06:00			5	45	8	45	13	90			5	68	13	40	18	108
06:15			5	41	19	34	24	75			7	41	19	43	26	84
06:30			10	33	15	30	25	63			14	54	14	24	28	78
06:45			20	49	18	36	38	85			23	34	18	40	41	74
07:00			29	30	19	31	48	61			26	44	14	34	40	78
07:15			17	47	20	28	37	75			18	31	25	38	43	69
07:30			12	32	25	25	37	57			9	26	16	35	25	61
07:45			18	35	19	27	37	62			10	35	25	26	35	61
08:00			18	27	25	26	43	53			18	32	33	45	51	77
08:15			13	28	22	18	35	46			17	25	38	19	55	44
08:30			20	24	20	14	40	38			14	22	29	19	43	41
08:45			19	23	32	13	51	36			21	19	44	18	65	37
09:00			27	12	34	13	61	25			28	21	30	16	58	37
09:15			21	20	29	13	50	33			23	19	20	15	43	34
09:30			22	8	30	11	52	19			31	8	30	13	61	21
09:45			30	11	42	12	72	23			23	16	26	18	49	34
10:00			29	10	35	8	64	18			20	13	30	5	50	18
10:15			24	7	39	9	63	16			22	12	28	12	50	24
10:30			26	12	38	7	64	19			21	4	44	6	65	10
10:45			25	3	37	4	62	7			35	5	44	11	79	16
11:00			27	3	51	6	78	9			29	6	38	6	67	12
11:15			36	4	31	4	67	8			30	6	26	4	56	10
11:30			34	9	40	3	74	12			32	2	26	6	58	8
11:45			30	3	37	4	67	7			28	3	33	6	61	9
Total			539	1476	733	1400	1272	2876			520	1592	716	1463	1236	3055
Day Total				2015		2133		4148				2112		2179		4291
% Total			13.0%	35.6%	17.7%	33.8%					12.1%	37.1%	16.7%	34.1%		
Peak	-	11:00	04:15	10:15	04:00	11:00	04:30		-	10:45	05:15	10:15	02:45	10:30	05:15	
Vol.	-	127	209	165	180	286	384		-	126	274	154	191	267	422	
P.H.F.		0.882	0.901	0.809	0.849	0.917	0.865			0.900	0.835	0.875	0.823	0.845	0.902	

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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	18	15	*	*	*	16
01:00	*	*	4	10	*	*	*	7
02:00	*	*	4	6	*	*	*	5
03:00	*	*	3	2	*	*	*	2
04:00	*	*	7	3	*	*	*	5
05:00	*	*	34	33	*	*	*	34
06:00	*	*	100	113	*	*	*	106
07:00	*	*	159	143	*	*	*	151
08:00	*	*	169	214	*	*	*	192
09:00	*	*	235	211	*	*	*	223
10:00	*	*	253	244	*	*	*	248
11:00	*	*	286	242	*	*	*	264
12:00 PM	*	*	283	269	*	*	*	276
01:00	*	*	297	262	*	*	*	280
02:00	*	*	301	322	*	*	*	312
03:00	*	*	342	364	*	*	*	353
04:00	*	*	383	388	*	*	*	386
05:00	*	*	333	405	*	*	*	369
06:00	*	*	313	344	*	*	*	328
07:00	*	*	255	269	*	*	*	262
08:00	*	*	173	199	*	*	*	186
09:00	*	*	100	126	*	*	*	113
10:00	*	*	60	68	*	*	*	64
11:00	*	*	36	39	*	*	*	38
Total	0	0	4148	4291	0	0	0	4220
Percentage	0.0%	0.0%	98.3%	101.7%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	10:00	-	-	-	11:00
Vol.	-	-	286	244	-	-	-	264
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	383	405	-	-	-	386

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

**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
09/18/1															
3	0	2	7	1	0	0	0	0	0	0	0	0	0	0	10
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:00	2	2	2	1	1	0	0	0	0	0	0	0	0	0	8
06:00	1	4	27	7	1	0	0	0	0	0	0	0	0	0	40
07:00	10	12	34	17	3	0	0	0	0	0	0	0	0	0	76
08:00	8	6	25	28	3	0	0	0	0	0	0	0	0	0	70
09:00	13	16	40	30	1	0	0	0	0	0	0	0	0	0	100
10:00	18	28	44	13	1	0	0	0	0	0	0	0	0	0	104
11:00	25	35	49	15	2	1	0	0	0	0	0	0	0	0	127
12 PM	21	31	55	17	1	0	0	0	0	0	0	0	0	0	125
13:00	25	29	70	16	1	0	0	0	0	0	0	0	0	0	141
14:00	22	31	60	18	2	0	0	0	0	0	0	0	0	0	133
15:00	50	44	67	26	0	0	0	0	0	0	0	0	0	0	187
16:00	52	63	59	28	1	0	0	0	0	0	0	0	0	0	203
17:00	31	46	74	19	1	0	0	0	0	0	0	0	0	0	171
18:00	29	41	73	22	3	0	0	0	0	0	0	0	0	0	168
19:00	16	39	74	13	2	0	0	0	0	0	0	0	0	0	144
20:00	10	23	60	9	0	0	0	0	0	0	0	0	0	0	102
21:00	2	7	31	10	1	0	0	0	0	0	0	0	0	0	51
22:00	0	3	24	4	1	0	0	0	0	0	0	0	0	0	32
23:00	2	1	12	4	0	0	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>337</b>	<b>463</b>	<b>890</b>	<b>299</b>	<b>25</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2015</b>

Daily

15th Percentile :	9 MPH
50th Percentile :	19 MPH
85th Percentile :	25 MPH
95th Percentile :	28 MPH

Mean Speed(Average) :	18 MPH
10 MPH Pace Speed :	17-26 MPH
Number in Pace :	1036
Percent in Pace :	51.4%
Number of Vehicles > 30 MPH :	26
Percent of Vehicles > 30 MPH :	1.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

**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
09/19/13	0	2	1	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	2	0	4	2	1	0	0	0	0	0	0	0	0	0	9
06:00	5	7	24	11	2	0	0	0	0	0	0	0	0	0	49
07:00	10	5	24	22	2	0	0	0	0	0	0	0	0	0	63
08:00	8	9	33	18	2	0	0	0	0	0	0	0	0	0	70
09:00	9	18	58	19	1	0	0	0	0	0	0	0	0	0	105
10:00	13	21	44	19	1	0	0	0	0	0	0	0	0	0	98
11:00	28	27	43	20	1	0	0	0	0	0	0	0	0	0	119
12 PM	16	35	50	21	0	0	0	0	0	0	0	0	0	0	122
13:00	28	31	57	13	0	0	0	0	0	0	0	0	0	0	129
14:00	43	29	56	16	1	0	0	0	0	0	0	0	0	0	145
15:00	43	56	59	34	1	0	0	0	0	0	0	0	0	0	193
16:00	42	58	68	27	4	0	0	0	0	0	0	0	0	0	199
17:00	73	90	71	24	0	0	0	0	0	0	0	0	0	0	258
18:00	57	54	63	23	0	0	0	0	0	0	0	0	0	0	197
19:00	11	29	74	21	1	0	0	0	0	0	0	0	0	0	136
20:00	8	26	47	17	0	0	0	0	0	0	0	0	0	0	98
21:00	7	14	33	8	1	1	0	0	0	0	0	0	0	0	64
22:00	1	7	20	5	1	0	0	0	0	0	0	0	0	0	34
23:00	0	0	10	7	0	0	0	0	0	0	0	0	0	0	17
<b>Total</b>	<b>404</b>	<b>518</b>	<b>842</b>	<b>328</b>	<b>19</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2112</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 18 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 18 MPH  
 10 MPH Pace Speed : 17-26 MPH  
 Number in Pace : 1018  
 Percent in Pace : 48.2%  
 Number of Vehicles > 30 MPH : 20  
 Percent of Vehicles > 30 MPH : 0.9%

<b>Grand Total</b>	<b>741</b>	<b>981</b>	<b>1732</b>	<b>627</b>	<b>44</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4127</b>
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Overall

15th Percentile : 8 MPH  
 50th Percentile : 18 MPH  
 85th Percentile : 25 MPH  
 95th Percentile : 28 MPH

Mean Speed(Average) : 18 MPH  
 10 MPH Pace Speed : 17-26 MPH  
 Number in Pace : 2054  
 Percent in Pace : 49.8%  
 Number of Vehicles > 30 MPH : 46  
 Percent of Vehicles > 30 MPH : 1.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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
09/18/1															
3	2	1	1	4	0	0	0	0	0	0	0	0	0	0	8
01:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
02:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	1	0	3	0	0	1	0	0	0	0	0	0	0	5
05:00	2	2	12	6	4	0	0	0	0	0	0	0	0	0	26
06:00	6	5	14	28	7	0	0	0	0	0	0	0	0	0	60
07:00	7	4	32	31	8	0	1	0	0	0	0	0	0	0	83
08:00	7	12	33	37	9	1	0	0	0	0	0	0	0	0	99
09:00	9	24	40	47	12	3	0	0	0	0	0	0	0	0	135
10:00	24	42	46	31	6	0	0	0	0	0	0	0	0	0	149
11:00	27	35	66	26	5	0	0	0	0	0	0	0	0	0	159
12 PM	25	28	69	25	6	2	0	1	2	0	0	0	0	0	158
13:00	22	40	53	31	9	1	0	0	0	0	0	0	0	0	156
14:00	44	31	50	38	5	0	0	0	0	0	0	0	0	0	168
15:00	33	33	56	28	5	0	0	0	0	0	0	0	0	0	155
16:00	71	43	36	25	5	0	0	0	0	0	0	0	0	0	180
17:00	43	29	46	35	9	0	0	0	0	0	0	0	0	0	162
18:00	34	44	38	22	6	1	0	0	0	0	0	0	0	0	145
19:00	12	13	45	33	7	1	0	0	0	0	0	0	0	0	111
20:00	4	6	26	30	5	0	0	0	0	0	0	0	0	0	71
21:00	4	8	18	17	2	0	0	0	0	0	0	0	0	0	49
22:00	3	3	6	13	3	0	0	0	0	0	0	0	0	0	28
23:00	2	0	5	7	3	0	0	0	0	0	0	0	0	0	17
<b>Total</b>	<b>381</b>	<b>406</b>	<b>694</b>	<b>521</b>	<b>117</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2133</b>

Daily

15th Percentile :	8 MPH
50th Percentile :	19 MPH
85th Percentile :	27 MPH
95th Percentile :	30 MPH
Mean Speed(Average) :	19 MPH
10 MPH Pace Speed :	19-28 MPH
Number in Pace :	944
Percent in Pace :	44.3%
Number of Vehicles > 30 MPH :	131
Percent of Vehicles > 30 MPH :	6.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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
09/19/1															
3	1	0	5	4	1	0	0	0	0	0	0	0	0	0	11
01:00	0	3	1	3	2	0	0	0	0	0	0	0	0	0	9
02:00	0	2	1	2	0	0	0	0	0	0	0	0	0	0	5
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00	3	1	6	12	2	0	0	0	0	0	0	0	0	0	24
06:00	4	3	23	24	8	2	0	0	0	0	0	0	0	0	64
07:00	3	13	19	32	11	1	1	0	0	0	0	0	0	0	80
08:00	19	21	49	44	10	1	0	0	0	0	0	0	0	0	144
09:00	11	13	29	41	12	0	0	0	0	0	0	0	0	0	106
10:00	19	31	57	31	8	0	0	0	0	0	0	0	0	0	146
11:00	18	24	45	28	8	0	0	0	0	0	0	0	0	0	123
12 PM	14	42	64	24	3	0	0	0	0	0	0	0	0	0	147
13:00	12	36	53	30	2	0	0	0	0	0	0	0	0	0	133
14:00	54	44	57	19	2	1	0	0	0	0	0	0	0	0	177
15:00	40	44	53	29	5	0	0	0	0	0	0	0	0	0	171
16:00	43	49	51	40	5	1	0	0	0	0	0	0	0	0	189
17:00	28	39	40	34	6	0	0	0	0	0	0	0	0	0	147
18:00	40	30	52	22	3	0	0	0	0	0	0	0	0	0	147
19:00	10	18	44	50	10	1	0	0	0	0	0	0	0	0	133
20:00	7	18	35	34	5	2	0	0	0	0	0	0	0	0	101
21:00	2	8	23	21	6	2	0	0	0	0	0	0	0	0	62
22:00	0	2	12	14	5	1	0	0	0	0	0	0	0	0	34
23:00	2	3	4	10	3	0	0	0	0	0	0	0	0	0	22
<b>Total</b>	<b>330</b>	<b>444</b>	<b>723</b>	<b>552</b>	<b>117</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2179</b>

Daily

15th Percentile : 9 MPH  
 50th Percentile : 20 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Mean Speed(Average) : 20 MPH  
 10 MPH Pace Speed : 19-28 MPH  
 Number in Pace : 1007  
 Percent in Pace : 46.2%  
 Number of Vehicles > 30 MPH : 130  
 Percent of Vehicles > 30 MPH : 6.0%

<b>Grand Total</b>	<b>711</b>	<b>850</b>	<b>1417</b>	<b>1073</b>	<b>234</b>	<b>21</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4312</b>
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Overall

15th Percentile : 9 MPH  
 50th Percentile : 20 MPH  
 85th Percentile : 27 MPH  
 95th Percentile : 30 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 19-28 MPH  
 Number in Pace : 1951  
 Percent in Pace : 45.2%  
 Number of Vehicles > 30 MPH : 261  
 Percent of Vehicles > 30 MPH : 6.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

**EB, 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
09/18/1															
3	2	3	8	5	0	0	0	0	0	0	0	0	0	0	18
01:00	0	1	1	1	1	0	0	0	0	0	0	0	0	0	4
02:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4
03:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3
04:00	0	1	1	4	0	0	1	0	0	0	0	0	0	0	7
05:00	4	4	14	7	5	0	0	0	0	0	0	0	0	0	34
06:00	7	9	41	35	8	0	0	0	0	0	0	0	0	0	100
07:00	17	16	66	48	11	0	1	0	0	0	0	0	0	0	159
08:00	15	18	58	65	12	1	0	0	0	0	0	0	0	0	169
09:00	22	40	80	77	13	3	0	0	0	0	0	0	0	0	235
10:00	42	70	90	44	7	0	0	0	0	0	0	0	0	0	253
11:00	52	70	115	41	7	1	0	0	0	0	0	0	0	0	286
12 PM	46	59	124	42	7	2	0	1	2	0	0	0	0	0	283
13:00	47	69	123	47	10	1	0	0	0	0	0	0	0	0	297
14:00	66	62	110	56	7	0	0	0	0	0	0	0	0	0	301
15:00	83	77	123	54	5	0	0	0	0	0	0	0	0	0	342
16:00	123	106	95	53	6	0	0	0	0	0	0	0	0	0	383
17:00	74	75	120	54	10	0	0	0	0	0	0	0	0	0	333
18:00	63	85	111	44	9	1	0	0	0	0	0	0	0	0	313
19:00	28	52	119	46	9	1	0	0	0	0	0	0	0	0	255
20:00	14	29	86	39	5	0	0	0	0	0	0	0	0	0	173
21:00	6	15	49	27	3	0	0	0	0	0	0	0	0	0	100
22:00	3	6	30	17	4	0	0	0	0	0	0	0	0	0	60
23:00	4	1	17	11	3	0	0	0	0	0	0	0	0	0	36
<b>Total</b>	<b>718</b>	<b>869</b>	<b>1584</b>	<b>820</b>	<b>142</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4148</b>

Daily

15th Percentile :	8 MPH
50th Percentile :	19 MPH
85th Percentile :	26 MPH
95th Percentile :	29 MPH
Mean Speed(Average) :	19 MPH
10 MPH Pace Speed :	18-27 MPH
Number in Pace :	1957
Percent in Pace :	47.2%
Number of Vehicles > 30 MPH :	157
Percent of Vehicles > 30 MPH :	3.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West St

**EB, 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
09/19/1															
3	1	2	6	5	1	0	0	0	0	0	0	0	0	0	15
01:00	0	3	2	3	2	0	0	0	0	0	0	0	0	0	10
02:00	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6
03:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
05:00	5	1	10	14	3	0	0	0	0	0	0	0	0	0	33
06:00	9	10	47	35	10	2	0	0	0	0	0	0	0	0	113
07:00	13	18	43	54	13	1	1	0	0	0	0	0	0	0	143
08:00	27	30	82	62	12	1	0	0	0	0	0	0	0	0	214
09:00	20	31	87	60	13	0	0	0	0	0	0	0	0	0	211
10:00	32	52	101	50	9	0	0	0	0	0	0	0	0	0	244
11:00	46	51	88	48	9	0	0	0	0	0	0	0	0	0	242
12 PM	30	77	114	45	3	0	0	0	0	0	0	0	0	0	269
13:00	40	67	110	43	2	0	0	0	0	0	0	0	0	0	262
14:00	97	73	113	35	3	1	0	0	0	0	0	0	0	0	322
15:00	83	100	112	63	6	0	0	0	0	0	0	0	0	0	364
16:00	85	107	119	67	9	1	0	0	0	0	0	0	0	0	388
17:00	101	129	111	58	6	0	0	0	0	0	0	0	0	0	405
18:00	97	84	115	45	3	0	0	0	0	0	0	0	0	0	344
19:00	21	47	118	71	11	1	0	0	0	0	0	0	0	0	269
20:00	15	44	82	51	5	2	0	0	0	0	0	0	0	0	199
21:00	9	22	56	29	7	3	0	0	0	0	0	0	0	0	126
22:00	1	9	32	19	6	1	0	0	0	0	0	0	0	0	68
23:00	2	3	14	17	3	0	0	0	0	0	0	0	0	0	39
<b>Total</b>	<b>734</b>	<b>962</b>	<b>1565</b>	<b>880</b>	<b>136</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4291</b>

Daily

15th Percentile : 8 MPH  
 50th Percentile : 19 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 18-27 MPH  
 Number in Pace : 1997  
 Percent in Pace : 46.5%  
 Number of Vehicles > 30 MPH : 150  
 Percent of Vehicles > 30 MPH : 3.5%

<b>Grand Total</b>	<b>1452</b>	<b>1831</b>	<b>3149</b>	<b>1700</b>	<b>278</b>	<b>23</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8439</b>
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Overall

15th Percentile : 8 MPH  
 50th Percentile : 19 MPH  
 85th Percentile : 26 MPH  
 95th Percentile : 29 MPH

Mean Speed(Average) : 19 MPH  
 10 MPH Pace Speed : 18-27 MPH  
 Number in Pace : 3954  
 Percent in Pace : 46.9%  
 Number of Vehicles > 30 MPH : 307  
 Percent of Vehicles > 30 MPH : 3.6%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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	Truck Total
09/18/1															
3	0	8	0	0	2	0	0	0	0	0	0	0	0	10	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	5	2	0	1	0	0	0	0	0	0	0	0	8	1
06:00	1	30	8	1	0	0	0	0	0	0	0	0	0	40	1
07:00	2	54	17	0	2	0	0	0	1	0	0	0	0	76	3
08:00	1	52	13	0	3	0	0	1	0	0	0	0	0	70	4
09:00	2	83	12	0	2	0	0	1	0	0	0	0	0	100	3
10:00	0	76	23	0	4	0	0	1	0	0	0	0	0	104	5
11:00	4	98	18	0	5	1	0	1	0	0	0	0	0	127	7
12 PM	1	105	17	1	1	0	0	0	0	0	0	0	0	125	2
13:00	2	113	19	0	5	1	0	0	0	0	0	0	0	140	6
14:00	1	103	28	0	1	0	0	0	0	0	0	0	0	133	1
15:00	3	132	39	3	8	0	0	0	0	1	0	0	0	186	12
16:00	1	159	32	2	2	0	0	5	0	0	0	0	0	201	9
17:00	1	140	24	0	3	1	0	2	0	0	0	0	0	171	6
18:00	3	137	24	0	2	0	0	2	0	0	0	0	0	168	4
19:00	4	116	19	0	4	1	0	0	0	0	0	0	0	144	5
20:00	2	82	16	0	2	0	0	0	0	0	0	0	0	102	2
21:00	1	43	7	0	0	0	0	0	0	0	0	0	0	51	0
22:00	0	28	4	0	0	0	0	0	0	0	0	0	0	32	0
23:00	0	16	3	0	0	0	0	0	0	0	0	0	0	19	0
Total	29	1583	326	7	47	4	0	13	1	1	0	0	0	2011	73
Percent	1.4%	78.7%	16.2%	0.3%	2.3%	0.2%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%		3.6%
AM Peak	11:00	11:00	10:00	06:00	11:00	11:00		08:00	07:00					11:00	11:00
Vol.	4	98	23	1	5	1		1	1					127	7
PM Peak	19:00	16:00	15:00	15:00	15:00	13:00		16:00		15:00				16:00	15:00
Vol.	4	159	39	3	8	1		5		1				201	12

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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	Truck Total
09/19/1															
3	0	3	0	0	1	0	0	0	0	0	0	0	0	4	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9	0
06:00	0	38	10	1	0	0	0	0	0	0	0	0	0	49	1
07:00	1	48	13	0	1	0	0	0	0	0	0	0	0	63	1
08:00	1	55	12	0	1	1	0	0	0	0	0	0	0	70	2
09:00	0	70	30	0	3	2	0	0	0	0	0	0	0	105	5
10:00	0	73	21	0	4	0	0	0	0	0	0	0	0	98	4
11:00	0	88	24	0	6	0	0	1	0	0	0	0	0	119	7
12 PM	0	98	21	0	2	0	0	0	0	0	0	0	0	121	2
13:00	6	103	14	0	4	1	0	1	0	0	0	0	0	129	6
14:00	4	108	27	0	3	0	0	1	0	0	0	0	0	143	4
15:00	2	147	35	1	6	0	0	1	0	0	0	0	0	192	8
16:00	3	150	36	1	5	0	0	3	0	0	0	0	0	198	9
17:00	6	200	41	0	4	2	0	1	0	1	1	0	0	256	9
18:00	3	160	30	0	1	2	0	0	0	1	0	0	0	197	4
19:00	0	113	22	0	1	0	0	0	0	0	0	0	0	136	1
20:00	1	80	14	1	0	0	0	2	0	0	0	0	0	98	3
21:00	3	47	12	0	2	0	0	0	0	0	0	0	0	64	2
22:00	0	30	4	0	0	0	0	0	0	0	0	0	0	34	0
23:00	0	13	3	0	1	0	0	0	0	0	0	0	0	17	1
<b>Total</b>	<b>30</b>	<b>1634</b>	<b>371</b>	<b>4</b>	<b>45</b>	<b>8</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2105</b>	<b>70</b>
<b>Percent</b>	<b>1.4%</b>	<b>77.6%</b>	<b>17.6%</b>	<b>0.2%</b>	<b>2.1%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.3%</b>
<b>AM Peak</b>	<b>07:00</b>	<b>11:00</b>	<b>09:00</b>	<b>06:00</b>	<b>11:00</b>	<b>09:00</b>		<b>11:00</b>						<b>11:00</b>	<b>11:00</b>
<b>Vol.</b>	<b>1</b>	<b>88</b>	<b>30</b>	<b>1</b>	<b>6</b>	<b>2</b>		<b>1</b>						<b>119</b>	<b>7</b>
<b>PM Peak</b>	<b>13:00</b>	<b>17:00</b>	<b>17:00</b>	<b>15:00</b>	<b>15:00</b>	<b>17:00</b>		<b>16:00</b>		<b>17:00</b>	<b>17:00</b>			<b>17:00</b>	<b>16:00</b>
<b>Vol.</b>	<b>6</b>	<b>200</b>	<b>41</b>	<b>1</b>	<b>6</b>	<b>2</b>		<b>3</b>		<b>1</b>	<b>1</b>			<b>256</b>	<b>9</b>
<b>Grand Total</b>	<b>59</b>	<b>3217</b>	<b>697</b>	<b>11</b>	<b>92</b>	<b>12</b>	<b>0</b>	<b>23</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4116</b>	<b>143</b>
<b>Percent</b>	<b>1.4%</b>	<b>78.2%</b>	<b>16.9%</b>	<b>0.3%</b>	<b>2.2%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.5%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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	Truck Total
09/18/1	3	2	4	2	0	0	0	0	0	0	0	0	0	8	0
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	4	0	0	0	0	0	0	1	0	0	0	0	5	1
05:00	0	17	7	0	1	0	0	1	0	0	0	0	0	26	2
06:00	2	39	17	0	2	0	0	0	0	0	0	0	0	60	2
07:00	1	66	14	0	1	0	0	1	0	0	0	0	0	83	2
08:00	1	73	19	1	5	0	0	0	0	0	0	0	0	99	6
09:00	0	105	25	0	5	0	0	0	0	0	0	0	0	135	5
10:00	0	115	26	0	7	0	0	1	0	0	0	0	0	149	8
11:00	0	125	28	0	5	1	0	0	0	0	0	0	0	159	6
12 PM	0	120	36	0	2	0	0	0	0	0	0	0	0	158	2
13:00	0	117	28	1	8	1	0	0	0	0	0	0	0	155	10
14:00	1	129	33	1	3	0	0	1	0	0	0	0	0	168	5
15:00	3	126	23	0	3	0	0	0	0	0	0	0	0	155	3
16:00	7	124	39	1	5	1	0	1	0	0	0	0	0	178	8
17:00	4	126	28	0	3	0	0	0	0	0	0	0	0	161	3
18:00	2	122	20	0	0	0	0	0	0	0	0	0	0	144	0
19:00	1	89	21	0	0	0	0	0	0	0	0	0	0	111	0
20:00	0	57	10	0	4	0	0	0	0	0	0	0	0	71	4
21:00	0	40	9	0	0	0	0	0	0	0	0	0	0	49	0
22:00	1	24	2	0	1	0	0	0	0	0	0	0	0	28	1
23:00	2	13	2	0	0	0	0	0	0	0	0	0	0	17	0
Total	27	1643	390	4	55	3	0	5	1	0	0	0	0	2128	68
Percent	1.3%	77.2%	18.3%	0.2%	2.6%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		3.2%
AM Peak	00:00	11:00	11:00	08:00	10:00	11:00		05:00	04:00					11:00	10:00
Vol.	2	125	28	1	7	1		1	1					159	8
PM Peak	16:00	14:00	16:00	13:00	13:00	13:00		14:00						16:00	13:00
Vol.	7	129	39	1	8	1		1						178	10



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of West 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	Truck Total
09/18/1															
3	2	12	2	0	2	0	0	0	0	0	0	0	0	18	2
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
04:00	0	6	0	0	0	0	0	0	1	0	0	0	0	7	1
05:00	0	22	9	0	2	0	0	1	0	0	0	0	0	34	3
06:00	3	69	25	1	2	0	0	0	0	0	0	0	0	100	3
07:00	3	120	31	0	3	0	0	1	1	0	0	0	0	159	5
08:00	2	125	32	1	8	0	0	1	0	0	0	0	0	169	10
09:00	2	188	37	0	7	0	0	1	0	0	0	0	0	235	8
10:00	0	191	49	0	11	0	0	2	0	0	0	0	0	253	13
11:00	4	223	46	0	10	2	0	1	0	0	0	0	0	286	13
12 PM	1	225	53	1	3	0	0	0	0	0	0	0	0	283	4
13:00	2	230	47	1	13	2	0	0	0	0	0	0	0	295	16
14:00	2	232	61	1	4	0	0	1	0	0	0	0	0	301	6
15:00	6	258	62	3	11	0	0	0	0	1	0	0	0	341	15
16:00	8	283	71	3	7	1	0	6	0	0	0	0	0	379	17
17:00	5	266	52	0	6	1	0	2	0	0	0	0	0	332	9
18:00	5	259	44	0	2	0	0	2	0	0	0	0	0	312	4
19:00	5	205	40	0	4	1	0	0	0	0	0	0	0	255	5
20:00	2	139	26	0	6	0	0	0	0	0	0	0	0	173	6
21:00	1	83	16	0	0	0	0	0	0	0	0	0	0	100	0
22:00	1	52	6	0	1	0	0	0	0	0	0	0	0	60	1
23:00	2	29	5	0	0	0	0	0	0	0	0	0	0	36	0
<b>Total</b>	<b>56</b>	<b>3226</b>	<b>716</b>	<b>11</b>	<b>102</b>	<b>7</b>	<b>0</b>	<b>18</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4139</b>	<b>141</b>
<b>Percent</b>	<b>1.4%</b>	<b>77.9%</b>	<b>17.3%</b>	<b>0.3%</b>	<b>2.5%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.4%</b>
<b>AM Peak</b>	<b>11:00</b>	<b>11:00</b>	<b>10:00</b>	<b>06:00</b>	<b>10:00</b>	<b>11:00</b>		<b>10:00</b>	<b>04:00</b>					<b>11:00</b>	<b>10:00</b>
<b>Vol.</b>	<b>4</b>	<b>223</b>	<b>49</b>	<b>1</b>	<b>11</b>	<b>2</b>		<b>2</b>	<b>1</b>					<b>286</b>	<b>13</b>
<b>PM Peak</b>	<b>16:00</b>	<b>16:00</b>	<b>16:00</b>	<b>15:00</b>	<b>13:00</b>	<b>13:00</b>		<b>16:00</b>		<b>15:00</b>				<b>16:00</b>	<b>16:00</b>
<b>Vol.</b>	<b>8</b>	<b>283</b>	<b>71</b>	<b>3</b>	<b>13</b>	<b>2</b>		<b>6</b>		<b>1</b>				<b>379</b>	<b>17</b>

**Old Colony Planning Council**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 19642  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
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 Forest Ave, west of West 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	Truck Total
09/19/1															
3	0	13	1	0	1	0	0	0	0	0	0	0	0	15	1
01:00	0	5	3	0	2	0	0	0	0	0	0	0	0	10	2
02:00	0	3	2	0	0	0	0	0	1	0	0	0	0	6	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
05:00	1	24	4	0	3	0	0	1	0	0	0	0	0	33	4
06:00	0	84	27	1	1	0	0	0	0	0	0	0	0	113	2
07:00	1	110	28	0	3	0	0	1	0	0	0	0	0	143	4
08:00	2	164	41	0	5	2	0	0	0	0	0	0	0	214	7
09:00	0	145	57	1	6	2	0	0	0	0	0	0	0	211	9
10:00	1	183	47	2	11	0	0	0	0	0	0	0	0	244	13
11:00	2	189	39	1	9	1	0	1	0	0	0	0	0	242	12
12 PM	0	212	50	0	3	1	0	2	0	0	0	0	0	268	6
13:00	7	205	36	0	12	1	0	1	0	0	0	0	0	262	14
14:00	6	239	62	0	9	1	0	2	0	0	0	0	0	319	12
15:00	4	282	61	1	13	1	0	1	0	0	0	0	0	363	16
16:00	5	291	74	1	11	0	0	3	0	0	0	0	0	385	15
17:00	7	317	68	0	5	2	0	1	0	1	1	0	0	402	10
18:00	4	279	53	0	3	2	0	0	0	1	0	0	0	342	6
19:00	3	210	51	0	4	1	0	0	0	0	0	0	0	269	5
20:00	3	159	32	1	2	0	0	2	0	0	0	0	0	199	5
21:00	3	97	24	0	2	0	0	0	0	0	0	0	0	126	2
22:00	0	59	9	0	0	0	0	0	0	0	0	0	0	68	0
23:00	3	28	7	0	1	0	0	0	0	0	0	0	0	39	1
<b>Total</b>	<b>52</b>	<b>3301</b>	<b>778</b>	<b>8</b>	<b>106</b>	<b>14</b>	<b>0</b>	<b>15</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4278</b>	<b>147</b>
<b>Percent</b>	<b>1.2%</b>	<b>77.2%</b>	<b>18.2%</b>	<b>0.2%</b>	<b>2.5%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.4%</b>
<b>AM Peak Vol.</b>	<b>2</b>	<b>189</b>	<b>57</b>	<b>2</b>	<b>11</b>	<b>2</b>		<b>1</b>	<b>1</b>					<b>244</b>	<b>13</b>
<b>PM Peak Vol.</b>	<b>7</b>	<b>317</b>	<b>74</b>	<b>1</b>	<b>13</b>	<b>2</b>		<b>3</b>		<b>1</b>	<b>1</b>			<b>402</b>	<b>16</b>
<b>Grand Total</b>	<b>108</b>	<b>6527</b>	<b>1494</b>	<b>19</b>	<b>208</b>	<b>21</b>	<b>0</b>	<b>33</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>8417</b>	<b>288</b>
<b>Percent</b>	<b>1.3%</b>	<b>77.5%</b>	<b>17.7%</b>	<b>0.2%</b>	<b>2.5%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.4%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

Start Time	23-Sep-13		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	*	*	*	*	67	45	59	42	*	*	*	*	*	*	63	44
01:00	*	*	*	*	35	19	28	17	*	*	*	*	*	*	32	18
02:00	*	*	*	*	21	15	25	25	*	*	*	*	*	*	23	20
03:00	*	*	*	*	17	18	18	21	*	*	*	*	*	*	18	20
04:00	*	*	*	*	29	59	34	52	*	*	*	*	*	*	32	56
05:00	*	*	*	*	47	141	57	144	*	*	*	*	*	*	52	142
06:00	*	*	*	*	175	287	145	295	*	*	*	*	*	*	160	291
07:00	*	*	*	*	349	241	360	249	*	*	*	*	*	*	354	245
08:00	*	*	*	*	298	335	247	348	*	*	*	*	*	*	272	342
09:00	*	*	*	*	225	349	295	279	*	*	*	*	*	*	260	314
10:00	*	*	*	*	287	351	338	333	*	*	*	*	*	*	312	342
11:00	*	*	*	*	373	325	353	351	*	*	*	*	*	*	363	338
12:00 PM	*	*	*	*	345	353	327	320	*	*	*	*	*	*	336	336
01:00	*	*	*	*	367	341	349	357	*	*	*	*	*	*	358	349
02:00	*	*	*	*	384	366	384	387	*	*	*	*	*	*	384	376
03:00	*	*	*	*	407	411	459	378	*	*	*	*	*	*	433	394
04:00	*	*	*	*	447	380	428	360	*	*	*	*	*	*	438	370
05:00	*	*	*	*	490	407	433	353	*	*	*	*	*	*	462	380
06:00	*	*	*	*	414	356	412	333	*	*	*	*	*	*	413	344
07:00	*	*	*	*	337	232	338	277	*	*	*	*	*	*	338	254
08:00	*	*	*	*	233	203	245	179	*	*	*	*	*	*	239	191
09:00	*	*	*	*	191	144	216	177	*	*	*	*	*	*	204	160
10:00	*	*	*	*	151	100	157	125	*	*	*	*	*	*	154	112
11:00	*	*	*	*	93	67	111	89	*	*	*	*	*	*	102	78
Total Day	0	0	0	0	5782	5545	5818	5491	0	0	0	0	0	0	5802	5516
AM Peak	-	-	-	-	11:00	10:00	07:00	11:00	-	-	-	-	-	-	11:00	08:00
Vol.	-	-	-	-	373	351	360	351	-	-	-	-	-	-	363	342
PM Peak	-	-	-	-	17:00	15:00	15:00	14:00	-	-	-	-	-	-	17:00	15:00
Vol.	-	-	-	-	490	411	459	387	-	-	-	-	-	-	462	394

Comb. Total                    0                    0                    11327                    11309                    0                    0                    0                    11318

**Old Colony Planning Council**  
**70 School Street**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

Start Time	25-Sep-13		EB		WB		Combined		26-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			27	96	14	82	41	178			20	87	16	84	36	171
12:15			14	79	12	84	26	163			13	81	4	71	17	152
12:30			15	77	8	86	23	163			10	68	11	90	21	158
12:45			11	93	11	101	22	194			16	91	11	75	27	166
01:00			11	78	6	74	17	152			10	68	6	86	16	154
01:15			8	89	5	96	13	185			7	91	6	78	13	169
01:30			7	95	2	82	9	177			7	94	3	99	10	193
01:45			9	105	6	89	15	194			4	96	2	94	6	190
02:00			6	93	6	87	12	180			7	86	9	83	16	169
02:15			4	87	4	92	8	179			7	98	6	84	13	182
02:30			6	92	2	96	8	188			3	105	4	118	7	223
02:45			5	112	3	91	8	203			8	95	6	102	14	197
03:00			1	104	0	97	1	201			4	119	5	83	9	202
03:15			2	94	8	101	10	195			3	124	3	94	6	218
03:30			8	95	6	102	14	197			6	121	8	93	14	214
03:45			6	114	4	111	10	225			5	95	5	108	10	203
04:00			7	116	6	105	13	221			9	109	11	85	20	194
04:15			6	107	18	86	24	193			8	108	12	69	20	177
04:30			3	113	17	103	20	216			9	103	18	105	27	208
04:45			13	111	18	86	31	197			8	108	11	101	19	209
05:00			11	124	24	99	35	223			5	110	22	87	27	197
05:15			6	122	24	91	30	213			7	110	28	93	35	203
05:30			17	132	44	98	61	230			24	113	44	92	68	205
05:45			13	112	49	119	62	231			21	100	50	81	71	181
06:00			32	93	37	103	69	196			29	91	39	90	68	181
06:15			29	103	60	82	89	185			26	124	60	73	86	197
06:30			31	101	88	101	119	202			28	106	88	83	116	189
06:45			83	117	102	70	185	187			62	91	108	87	170	178
07:00			76	107	47	60	123	167			92	95	61	83	153	178
07:15			95	89	48	59	143	148			95	85	53	69	148	154
07:30			80	82	66	54	146	136			78	84	55	56	133	140
07:45			98	59	80	59	178	118			95	74	80	69	175	143
08:00			85	70	76	55	161	125			63	67	86	55	149	122
08:15			67	64	103	54	170	118			70	75	89	39	159	114
08:30			65	50	69	51	134	101			55	62	77	37	132	99
08:45			81	49	87	43	168	92			59	41	96	48	155	89
09:00			84	63	59	46	143	109			85	47	69	44	154	91
09:15			67	47	84	31	151	78			65	66	58	41	123	107
09:30			0	45	112	31	112	76			73	49	81	35	154	84
09:45			74	36	94	36	168	72			72	54	71	57	143	111
10:00			80	50	62	37	142	87			87	36	67	31	154	67
10:15			65	34	84	22	149	56			70	54	97	37	167	91
10:30			72	36	88	23	160	59			93	35	77	24	170	59
10:45			70	31	117	18	187	49			88	32	92	33	180	65
11:00			72	25	101	21	173	46			72	31	88	24	160	55
11:15			102	21	66	21	168	42			99	23	74	25	173	48
11:30			114	23	75	15	189	38			98	32	99	18	197	50
11:45			85	24	83	10	168	34			84	25	90	22	174	47
Total			1923	3859	2185	3360	4108	7219			1959	3859	2156	3335	4115	7194
Day Total			5782		5545		11327				5818		5491		11309	
% Total			17.0%	34.1%	19.3%	29.7%					17.3%	34.1%	19.1%	29.5%		
Peak	-		11:00	05:00	10:15	03:15	10:45	05:00	-		07:00	02:45	10:15	02:30	10:45	02:30
Vol.	-		373	490	390	419	717	897	-		360	459	354	397	710	840
P.H.F.			0.818	0.928	0.833	0.944	0.948	0.971			0.947	0.925	0.912	0.841	0.901	0.942



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**70 School Street**  
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**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	112	101	*	*	*	106
01:00	*	*	54	45	*	*	*	50
02:00	*	*	36	50	*	*	*	43
03:00	*	*	35	39	*	*	*	37
04:00	*	*	88	86	*	*	*	87
05:00	*	*	188	201	*	*	*	194
06:00	*	*	462	440	*	*	*	451
07:00	*	*	590	609	*	*	*	600
08:00	*	*	633	595	*	*	*	614
09:00	*	*	574	574	*	*	*	574
10:00	*	*	638	671	*	*	*	654
11:00	*	*	<b>698</b>	<b>704</b>	*	*	*	<b>701</b>
12:00 PM	*	*	698	647	*	*	*	672
01:00	*	*	708	706	*	*	*	707
02:00	*	*	750	771	*	*	*	760
03:00	*	*	818	<b>837</b>	*	*	*	828
04:00	*	*	827	788	*	*	*	808
05:00	*	*	<b>897</b>	786	*	*	*	<b>842</b>
06:00	*	*	770	745	*	*	*	758
07:00	*	*	569	615	*	*	*	592
08:00	*	*	436	424	*	*	*	430
09:00	*	*	335	393	*	*	*	364
10:00	*	*	251	282	*	*	*	266
11:00	*	*	160	200	*	*	*	180
Total	0	0	11327	11309	0	0	0	11318
Percentage	0.0%	0.0%	100.1%	99.9%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	698	704	-	-	-	701
PM Peak	-	-	17:00	15:00	-	-	-	17:00
Vol.	-	-	897	837	-	-	-	842

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Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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
09/25/1															
3	1	1	8	16	19	19	3	0	0	0	0	0	0	0	67
01:00	1	0	4	8	12	8	1	0	0	0	1	0	0	0	35
02:00	0	1	3	3	9	4	1	0	0	0	0	0	0	0	21
03:00	0	0	0	1	7	5	2	2	0	0	0	0	0	0	17
04:00	1	0	2	1	12	9	3	1	0	0	0	0	0	0	29
05:00	5	2	0	13	16	9	1	1	0	0	0	0	0	0	47
06:00	5	4	21	68	55	21	1	0	0	0	0	0	0	0	175
07:00	16	9	31	118	130	42	2	1	0	0	0	0	0	0	349
08:00	22	12	39	64	101	53	7	0	0	0	0	0	0	0	298
09:00	11	3	2	65	90	47	7	0	0	0	0	0	0	0	225
10:00	8	2	14	105	114	43	0	1	0	0	0	0	0	0	287
11:00	24	8	47	151	122	19	2	0	0	0	0	0	0	0	373
12 PM	17	4	27	136	128	31	2	0	0	0	0	0	0	0	345
13:00	21	7	26	108	164	37	4	0	0	0	0	0	0	0	367
14:00	19	9	36	137	152	28	3	0	0	0	0	0	0	0	384
15:00	37	31	47	143	116	32	1	0	0	0	0	0	0	0	407
16:00	40	32	69	167	114	25	0	0	0	0	0	0	0	0	447
17:00	35	13	75	213	125	27	2	0	0	0	0	0	0	0	490
18:00	30	20	58	146	124	32	4	0	0	0	0	0	0	0	414
19:00	27	6	42	148	92	20	2	0	0	0	0	0	0	0	337
20:00	21	13	35	96	50	16	2	0	0	0	0	0	0	0	233
21:00	2	1	11	77	78	20	2	0	0	0	0	0	0	0	191
22:00	5	3	9	45	66	23	0	0	0	0	0	0	0	0	151
23:00	4	1	2	22	40	17	6	0	0	1	0	0	0	0	93
<b>Total</b>	<b>352</b>	<b>182</b>	<b>608</b>	<b>2051</b>	<b>1936</b>	<b>587</b>	<b>58</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5782</b>

Daily

15th Percentile :	19 MPH
50th Percentile :	28 MPH
85th Percentile :	34 MPH
95th Percentile :	37 MPH

Mean Speed(Average) :	28 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	3431
Percent in Pace :	59.3%
Number of Vehicles > 30 MPH :	2589
Percent of Vehicles > 30 MPH :	44.8%

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 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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
09/26/1															
3	5	2	3	13	28	5	3	0	0	0	0	0	0	0	59
01:00	2	0	1	4	12	6	2	1	0	0	0	0	0	0	28
02:00	1	0	2	4	8	9	1	0	0	0	0	0	0	0	25
03:00	0	2	0	0	10	3	1	1	1	0	0	0	0	0	18
04:00	0	1	1	3	15	7	6	1	0	0	0	0	0	0	34
05:00	1	1	4	11	25	11	4	0	0	0	0	0	0	0	57
06:00	11	1	16	53	44	18	2	0	0	0	0	0	0	0	145
07:00	20	20	42	134	114	23	5	2	0	0	0	0	0	0	360
08:00	20	5	16	70	96	35	5	0	0	0	0	0	0	0	247
09:00	26	5	32	73	122	34	3	0	0	0	0	0	0	0	295
10:00	17	16	39	121	118	25	2	0	0	0	0	0	0	0	338
11:00	28	19	45	141	93	22	4	1	0	0	0	0	0	0	353
12 PM	41	7	15	123	109	28	4	0	0	0	0	0	0	0	327
13:00	33	12	38	136	98	28	4	0	0	0	0	0	0	0	349
14:00	34	15	99	160	62	13	1	0	0	0	0	0	0	0	384
15:00	59	59	120	138	70	13	0	0	0	0	0	0	0	0	459
16:00	35	18	39	174	135	25	2	0	0	0	0	0	0	0	428
17:00	38	13	63	150	140	28	1	0	0	0	0	0	0	0	433
18:00	34	27	63	183	90	14	1	0	0	0	0	0	0	0	412
19:00	20	10	44	141	96	26	1	0	0	0	0	0	0	0	338
20:00	13	10	26	85	91	19	1	0	0	0	0	0	0	0	245
21:00	4	2	17	75	79	33	5	0	1	0	0	0	0	0	216
22:00	4	3	6	43	71	28	2	0	0	0	0	0	0	0	157
23:00	4	2	1	28	50	23	3	0	0	0	0	0	0	0	111
<b>Total</b>	<b>450</b>	<b>250</b>	<b>732</b>	<b>2063</b>	<b>1776</b>	<b>476</b>	<b>63</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5818</b>

Daily

15th Percentile : 15 MPH  
 50th Percentile : 27 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 25-34 MPH  
 Number in Pace : 3254  
 Percent in Pace : 55.9%  
 Number of Vehicles > 30 MPH : 2323  
 Percent of Vehicles > 30 MPH : 39.9%

<b>Grand Total</b>	<b>802</b>	<b>432</b>	<b>1340</b>	<b>4114</b>	<b>3712</b>	<b>1063</b>	<b>121</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11600</b>
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Overall

15th Percentile : 17 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 37 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 6681  
 Percent in Pace : 57.6%  
 Number of Vehicles > 30 MPH : 4912  
 Percent of Vehicles > 30 MPH : 42.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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
09/25/1															
3	1	0	2	8	18	12	4	0	0	0	0	0	0	0	45
01:00	1	1	1	6	6	2	2	0	0	0	0	0	0	0	19
02:00	1	1	1	4	5	2	1	0	0	0	0	0	0	0	15
03:00	1	0	0	5	5	3	2	2	0	0	0	0	0	0	18
04:00	4	1	2	4	11	26	7	4	0	0	0	0	0	0	59
05:00	2	3	3	31	47	37	10	7	1	0	0	0	0	0	141
06:00	15	1	20	77	122	44	6	1	0	0	0	1	0	0	287
07:00	19	6	11	53	91	45	10	5	1	0	0	0	0	0	241
08:00	32	9	27	68	132	55	11	1	0	0	0	0	0	0	335
09:00	163	5	7	40	71	49	9	4	0	1	0	0	0	0	349
10:00	20	1	17	109	139	51	12	1	1	0	0	0	0	0	351
11:00	22	7	33	96	116	45	6	0	0	0	0	0	0	0	325
12 PM	26	2	27	98	135	62	2	1	0	0	0	0	0	0	353
13:00	24	4	25	83	129	67	9	0	0	0	0	0	0	0	341
14:00	32	7	21	85	144	67	10	0	0	0	0	0	0	0	366
15:00	55	23	71	93	125	36	8	0	0	0	0	0	0	0	411
16:00	40	14	20	106	147	48	4	0	1	0	0	0	0	0	380
17:00	46	6	38	131	142	37	6	1	0	0	0	0	0	0	407
18:00	41	4	41	127	122	17	4	0	0	0	0	0	0	0	356
19:00	19	4	22	79	74	29	5	0	0	0	0	0	0	0	232
20:00	15	4	35	76	58	9	4	2	0	0	0	0	0	0	203
21:00	12	0	7	45	54	22	4	0	0	0	0	0	0	0	144
22:00	8	2	5	24	40	16	5	0	0	0	0	0	0	0	100
23:00	3	1	4	13	27	14	3	2	0	0	0	0	0	0	67
<b>Total</b>	<b>602</b>	<b>106</b>	<b>440</b>	<b>1461</b>	<b>1960</b>	<b>795</b>	<b>144</b>	<b>31</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5545</b>

Daily

15th Percentile :	11 MPH
50th Percentile :	29 MPH
85th Percentile :	35 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	2919
Percent in Pace :	52.6%
Number of Vehicles > 30 MPH :	2936
Percent of Vehicles > 30 MPH :	52.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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
09/26/1															
3	6	0	2	9	15	7	3	0	0	0	0	0	0	0	42
01:00	2	1	0	2	5	3	4	0	0	0	0	0	0	0	17
02:00	3	1	3	2	6	9	0	1	0	0	0	0	0	0	25
03:00	1	0	0	2	2	8	5	1	1	1	0	0	0	0	21
04:00	2	1	1	3	10	24	10	1	0	0	0	0	0	0	52
05:00	6	4	4	21	53	37	12	7	0	0	0	0	0	0	144
06:00	23	5	21	95	95	45	10	1	0	0	0	0	0	0	295
07:00	16	6	15	74	88	41	7	1	1	0	0	0	0	0	249
08:00	34	10	29	78	137	54	6	0	0	0	0	0	0	0	348
09:00	14	2	14	60	128	42	19	0	0	0	0	0	0	0	279
10:00	25	1	22	81	140	56	6	1	1	0	0	0	0	0	333
11:00	41	5	25	106	132	32	10	0	0	0	0	0	0	0	351
12 PM	44	12	28	82	102	45	6	0	1	0	0	0	0	0	320
13:00	26	7	30	114	124	50	6	0	0	0	0	0	0	0	357
14:00	45	16	30	142	120	33	1	0	0	0	0	0	0	0	387
15:00	27	13	89	125	86	36	2	0	0	0	0	0	0	0	378
16:00	31	0	42	111	121	41	13	1	0	0	0	0	0	0	360
17:00	33	4	44	112	129	27	4	0	0	0	0	0	0	0	353
18:00	32	17	34	104	115	27	4	0	0	0	0	0	0	0	333
19:00	26	16	28	77	90	34	6	0	0	0	0	0	0	0	277
20:00	5	1	21	65	57	26	4	0	0	0	0	0	0	0	179
21:00	3	3	15	48	77	26	5	0	0	0	0	0	0	0	177
22:00	2	3	4	31	59	23	3	0	0	0	0	0	0	0	125
23:00	6	1	3	18	29	25	5	2	0	0	0	0	0	0	89
<b>Total</b>	<b>453</b>	<b>129</b>	<b>504</b>	<b>1562</b>	<b>1920</b>	<b>751</b>	<b>151</b>	<b>16</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5491</b>

Daily

15th Percentile : 15 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 2998  
 Percent in Pace : 54.6%  
 Number of Vehicles > 30 MPH : 2843  
 Percent of Vehicles > 30 MPH : 51.8%

<b>Grand Total</b>	<b>1055</b>	<b>235</b>	<b>944</b>	<b>3023</b>	<b>3880</b>	<b>1546</b>	<b>295</b>	<b>47</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11036</b>
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Overall

15th Percentile : 13 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 5916  
 Percent in Pace : 53.6%  
 Number of Vehicles > 30 MPH : 5779  
 Percent of Vehicles > 30 MPH : 52.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**EB, 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
09/25/1															
3	2	1	10	24	37	31	7	0	0	0	0	0	0	0	112
01:00	2	1	5	14	18	10	3	0	0	0	1	0	0	0	54
02:00	1	2	4	7	14	6	2	0	0	0	0	0	0	0	36
03:00	1	0	0	6	12	8	4	4	0	0	0	0	0	0	35
04:00	5	1	4	5	23	35	10	5	0	0	0	0	0	0	88
05:00	7	5	3	44	63	46	11	8	1	0	0	0	0	0	188
06:00	20	5	41	145	177	65	7	1	0	0	0	1	0	0	462
07:00	35	15	42	171	221	87	12	6	1	0	0	0	0	0	590
08:00	54	21	66	132	233	108	18	1	0	0	0	0	0	0	633
09:00	174	8	9	105	161	96	16	4	0	1	0	0	0	0	574
10:00	28	3	31	214	253	94	12	2	1	0	0	0	0	0	638
11:00	46	15	80	247	238	64	8	0	0	0	0	0	0	0	698
12 PM	43	6	54	234	263	93	4	1	0	0	0	0	0	0	698
13:00	45	11	51	191	293	104	13	0	0	0	0	0	0	0	708
14:00	51	16	57	222	296	95	13	0	0	0	0	0	0	0	750
15:00	92	54	118	236	241	68	9	0	0	0	0	0	0	0	818
16:00	80	46	89	273	261	73	4	0	1	0	0	0	0	0	827
17:00	81	19	113	344	267	64	8	1	0	0	0	0	0	0	897
18:00	71	24	99	273	246	49	8	0	0	0	0	0	0	0	770
19:00	46	10	64	227	166	49	7	0	0	0	0	0	0	0	569
20:00	36	17	70	172	108	25	6	2	0	0	0	0	0	0	436
21:00	14	1	18	122	132	42	6	0	0	0	0	0	0	0	335
22:00	13	5	14	69	106	39	5	0	0	0	0	0	0	0	251
23:00	7	2	6	35	67	31	9	2	0	1	0	0	0	0	160
<b>Total</b>	<b>954</b>	<b>288</b>	<b>1048</b>	<b>3512</b>	<b>3896</b>	<b>1382</b>	<b>202</b>	<b>37</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11327</b>

Daily

15th Percentile :	15 MPH
50th Percentile :	29 MPH
85th Percentile :	35 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	6306
Percent in Pace :	55.7%
Number of Vehicles > 30 MPH :	5525
Percent of Vehicles > 30 MPH :	48.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**EB, 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
09/26/1															
3	11	2	5	22	43	12	6	0	0	0	0	0	0	0	101
01:00	4	1	1	6	17	9	6	1	0	0	0	0	0	0	45
02:00	4	1	5	6	14	18	1	1	0	0	0	0	0	0	50
03:00	1	2	0	2	12	11	6	2	2	1	0	0	0	0	39
04:00	2	2	2	6	25	31	16	2	0	0	0	0	0	0	86
05:00	7	5	8	32	78	48	16	7	0	0	0	0	0	0	201
06:00	34	6	37	148	139	63	12	1	0	0	0	0	0	0	440
07:00	36	26	57	208	202	64	12	3	1	0	0	0	0	0	609
08:00	54	15	45	148	233	89	11	0	0	0	0	0	0	0	595
09:00	40	7	46	133	250	76	22	0	0	0	0	0	0	0	574
10:00	42	17	61	202	258	81	8	1	1	0	0	0	0	0	671
11:00	69	24	70	247	225	54	14	1	0	0	0	0	0	0	704
12 PM	85	19	43	205	211	73	10	0	1	0	0	0	0	0	647
13:00	59	19	68	250	222	78	10	0	0	0	0	0	0	0	706
14:00	79	31	129	302	182	46	2	0	0	0	0	0	0	0	771
15:00	86	72	209	263	156	49	2	0	0	0	0	0	0	0	837
16:00	66	18	81	285	256	66	15	1	0	0	0	0	0	0	788
17:00	71	17	107	262	269	55	5	0	0	0	0	0	0	0	786
18:00	66	44	97	287	205	41	5	0	0	0	0	0	0	0	745
19:00	46	26	72	218	186	60	7	0	0	0	0	0	0	0	615
20:00	18	11	47	150	148	45	5	0	0	0	0	0	0	0	424
21:00	7	5	32	123	156	59	10	0	1	0	0	0	0	0	393
22:00	6	6	10	74	130	51	5	0	0	0	0	0	0	0	282
23:00	10	3	4	46	79	48	8	2	0	0	0	0	0	0	200
<b>Total</b>	<b>903</b>	<b>379</b>	<b>1236</b>	<b>3625</b>	<b>3696</b>	<b>1227</b>	<b>214</b>	<b>22</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11309</b>

Daily  
 15th Percentile : 15 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH  
 Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 6235  
 Percent in Pace : 55.1%  
 Number of Vehicles > 30 MPH : 5166  
 Percent of Vehicles > 30 MPH : 45.7%

<b>Grand Total</b>	<b>1857</b>	<b>667</b>	<b>2284</b>	<b>7137</b>	<b>7592</b>	<b>2609</b>	<b>416</b>	<b>59</b>	<b>10</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>22636</b>
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Overall  
 15th Percentile : 15 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 38 MPH  
 Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 12541  
 Percent in Pace : 55.4%  
 Number of Vehicles > 30 MPH : 10691  
 Percent of Vehicles > 30 MPH : 47.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

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	Truck Total
09/25/1															
3	0	59	6	0	2	0	0	0	0	0	0	0	0	67	2
01:00	0	33	2	0	0	0	0	0	0	0	0	0	0	35	0
02:00	0	19	0	0	1	0	0	1	0	0	0	0	0	21	2
03:00	0	14	2	0	1	0	0	0	0	0	0	0	0	17	1
04:00	0	23	5	1	0	0	0	0	0	0	0	0	0	29	1
05:00	0	38	7	0	2	0	0	0	0	0	0	0	0	47	2
06:00	0	121	34	9	9	1	0	0	1	0	0	0	0	175	20
07:00	0	270	57	10	7	2	0	1	2	0	0	0	0	349	22
08:00	0	218	61	5	8	2	0	1	3	0	0	0	0	298	19
09:00	1	157	45	5	11	3	0	0	2	0	0	0	0	224	21
10:00	1	217	57	0	9	3	0	0	0	0	0	0	0	287	12
11:00	0	278	63	17	8	3	0	2	1	0	0	0	0	372	31
12 PM	3	266	56	0	12	4	0	1	2	0	0	0	0	344	19
13:00	0	286	68	2	10	1	0	0	0	0	0	0	0	367	13
14:00	2	285	75	5	10	6	0	0	0	0	0	0	0	383	21
15:00	1	294	88	3	12	6	0	0	2	0	0	0	0	406	23
16:00	3	354	69	1	15	2	1	1	0	0	0	0	0	446	20
17:00	2	392	77	0	8	7	0	1	0	0	0	0	0	487	16
18:00	1	342	54	3	9	4	0	0	0	0	0	0	0	413	16
19:00	2	261	63	2	5	4	0	0	0	0	0	0	0	337	11
20:00	4	188	37	1	3	0	0	0	0	0	0	0	0	233	4
21:00	2	157	25	1	5	1	0	0	0	0	0	0	0	191	7
22:00	0	131	16	0	3	1	0	0	0	0	0	0	0	151	4
23:00	0	84	8	0	0	0	0	0	1	0	0	0	0	93	1
Total	22	4487	975	65	150	50	1	8	14	0	0	0	0	5772	288
Percent	0.4%	77.7%	16.9%	1.1%	2.6%	0.9%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak	09:00	11:00	11:00	11:00	09:00	09:00		11:00	08:00					11:00	11:00
Vol.	1	278	63	17	11	3		2	3					372	31
PM Peak	20:00	17:00	15:00	14:00	16:00	17:00	16:00	12:00	12:00					17:00	15:00
Vol.	4	392	88	5	15	7	1	1	2					487	23



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

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	Truck Total
09/26/1															
3	1	48	7	0	2	1	0	0	0	0	0	0	0	59	3
01:00	0	21	6	0	1	0	0	0	0	0	0	0	0	28	1
02:00	1	19	4	0	0	1	0	0	0	0	0	0	0	25	1
03:00	0	16	0	0	1	0	0	0	1	0	0	0	0	18	2
04:00	0	25	7	0	1	1	0	0	0	0	0	0	0	34	2
05:00	1	46	8	0	1	0	0	0	1	0	0	0	0	57	2
06:00	0	102	33	2	5	1	0	0	1	0	0	0	0	144	9
07:00	2	269	69	11	7	0	0	1	1	0	0	0	0	360	20
08:00	2	192	39	2	9	1	0	1	1	0	0	0	0	247	14
09:00	2	217	57	0	13	3	0	0	2	0	0	0	0	294	18
10:00	0	242	71	5	14	1	1	1	2	0	0	0	0	337	24
11:00	0	269	59	6	13	2	0	3	1	0	0	0	0	353	25
12 PM	0	242	66	2	6	9	0	1	0	0	0	0	0	326	18
13:00	2	264	64	5	9	3	1	1	0	0	0	0	0	349	19
14:00	2	276	68	15	14	5	0	2	0	0	0	0	0	382	36
15:00	5	369	65	5	11	1	0	3	0	0	0	0	0	459	20
16:00	1	343	67	1	7	3	0	2	1	0	0	0	0	425	14
17:00	4	350	68	1	7	2	0	0	0	0	0	0	0	432	10
18:00	3	322	73	3	7	2	0	1	0	0	0	0	0	411	13
19:00	3	266	59	0	8	2	0	0	0	0	0	0	0	338	10
20:00	2	195	42	3	2	1	0	0	0	0	0	0	0	245	6
21:00	2	175	32	0	5	2	0	0	0	0	0	0	0	216	7
22:00	0	146	11	0	0	0	0	0	0	0	0	0	0	157	0
23:00	0	97	12	0	1	1	0	0	0	0	0	0	0	111	2
Total	33	4511	987	61	144	42	2	16	11	0	0	0	0	5807	276
Percent	0.6%	77.7%	17.0%	1.1%	2.5%	0.7%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		4.8%
AM Peak Vol.	07:00	07:00	10:00	07:00	10:00	09:00	10:00	11:00	09:00					07:00	11:00
PM Peak Vol.	15:00	15:00	18:00	14:00	14:00	12:00	13:00	15:00	16:00					15:00	14:00
Grand Total	55	8998	1962	126	294	92	3	24	25	0	0	0	0	11579	564
Percent	0.5%	77.7%	16.9%	1.1%	2.5%	0.8%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		4.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

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	Truck Total
09/25/1															
3	0	41	4	0	0	0	0	0	0	0	0	0	0	45	0
01:00	0	18	1	0	0	0	0	0	0	0	0	0	0	19	0
02:00	0	13	1	0	1	0	0	0	0	0	0	0	0	15	1
03:00	0	12	6	0	0	0	0	0	0	0	0	0	0	18	0
04:00	1	42	10	1	4	0	0	0	1	0	0	0	0	59	6
05:00	1	105	30	2	3	0	0	0	0	0	0	0	0	141	5
06:00	3	216	41	17	8	0	0	0	1	0	0	0	0	286	26
07:00	2	175	49	3	12	0	0	0	0	0	0	0	0	241	15
08:00	3	252	69	2	8	0	0	0	1	0	0	0	0	335	11
09:00	3	258	69	3	10	3	0	0	0	0	0	0	0	346	16
10:00	4	233	80	13	14	4	0	1	2	0	0	0	0	351	34
11:00	1	263	50	2	6	1	0	1	1	0	0	0	0	325	11
12 PM	2	279	57	1	10	1	0	2	0	0	0	0	0	352	14
13:00	2	272	58	1	4	2	0	0	1	0	0	0	0	340	8
14:00	6	288	64	3	4	1	0	0	0	0	0	0	0	366	8
15:00	12	301	77	4	9	2	0	1	1	0	0	0	0	407	17
16:00	3	293	70	2	5	3	0	1	0	0	0	0	0	377	11
17:00	1	337	57	2	6	1	0	0	0	0	0	0	0	404	9
18:00	3	275	69	0	6	0	0	0	0	0	0	0	0	353	6
19:00	2	190	33	0	6	0	0	0	0	0	0	0	0	231	6
20:00	2	172	25	0	3	1	0	0	0	0	0	0	0	203	4
21:00	1	121	19	1	2	0	0	0	0	0	0	0	0	144	3
22:00	1	88	9	0	2	0	0	0	0	0	0	0	0	100	2
23:00	0	58	7	1	1	0	0	0	0	0	0	0	0	67	2
Total	53	4302	955	58	124	19	0	6	8	0	0	0	0	5525	215
Percent	1.0%	77.9%	17.3%	1.0%	2.2%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		3.9%
AM Peak	10:00	11:00	10:00	06:00	10:00	10:00		10:00	10:00					10:00	10:00
Vol.	4	263	80	17	14	4		1	2					351	34
PM Peak	15:00	17:00	15:00	15:00	12:00	16:00		12:00	13:00					15:00	15:00
Vol.	12	337	77	4	10	3		2	1					407	17

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

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	Truck Total
09/26/1															
3	1	35	5	0	0	1	0	0	0	0	0	0	0	42	1
01:00	1	15	1	0	0	0	0	0	0	0	0	0	0	17	0
02:00	0	22	2	0	1	0	0	0	0	0	0	0	0	25	1
03:00	0	15	6	0	0	0	0	0	0	0	0	0	0	21	0
04:00	1	38	10	1	2	0	0	0	0	0	0	0	0	52	3
05:00	1	100	34	1	8	0	0	0	0	0	0	0	0	144	9
06:00	2	227	43	13	9	1	0	0	0	0	0	0	0	295	23
07:00	2	181	50	5	9	0	0	1	1	0	0	0	0	249	16
08:00	4	258	66	6	10	2	0	0	0	0	0	0	0	346	18
09:00	5	204	56	2	8	3	0	1	0	0	0	0	0	279	14
10:00	4	241	65	3	11	5	0	1	2	0	0	0	0	332	22
11:00	2	267	63	2	10	2	0	3	1	0	0	0	0	350	18
12 PM	3	241	60	4	7	1	0	2	0	0	0	0	0	318	14
13:00	3	269	64	10	9	1	0	0	1	0	0	0	0	357	21
14:00	7	299	68	6	6	1	0	0	0	0	0	0	0	387	13
15:00	0	298	71	1	6	1	0	0	0	0	0	0	0	377	8
16:00	4	284	61	3	5	0	0	2	1	0	0	0	0	360	11
17:00	4	278	61	3	4	1	0	1	0	0	0	0	0	352	9
18:00	3	276	47	0	6	0	0	1	0	0	0	0	0	333	7
19:00	5	214	53	0	2	1	0	0	0	0	0	0	0	275	3
20:00	0	151	25	0	2	0	0	1	0	0	0	0	0	179	3
21:00	1	143	31	0	2	0	0	0	0	0	0	0	0	177	2
22:00	1	106	15	0	3	0	0	0	0	0	0	0	0	125	3
23:00	2	73	12	1	0	1	0	0	0	0	0	0	0	89	2
Total	56	4235	969	61	120	21	0	13	6	0	0	0	0	5481	221
Percent	1.0%	77.3%	17.7%	1.1%	2.2%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.0%
AM Peak	09:00	11:00	08:00	06:00	10:00	10:00		11:00	10:00					11:00	06:00
Vol.	5	267	66	13	11	5		3	2					350	23
PM Peak	14:00	14:00	15:00	13:00	13:00	12:00		12:00	13:00					14:00	13:00
Vol.	7	299	71	10	9	1		2	1					387	21
Grand Total	109	8537	1924	119	244	40	0	19	14	0	0	0	0	11006	436
Percent	1.0%	77.6%	17.5%	1.1%	2.2%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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	Truck Total
09/25/1															
3	0	100	10	0	2	0	0	0	0	0	0	0	0	112	2
01:00	0	51	3	0	0	0	0	0	0	0	0	0	0	54	0
02:00	0	32	1	0	2	0	0	1	0	0	0	0	0	36	3
03:00	0	26	8	0	1	0	0	0	0	0	0	0	0	35	1
04:00	1	65	15	2	4	0	0	0	1	0	0	0	0	88	7
05:00	1	143	37	2	5	0	0	0	0	0	0	0	0	188	7
06:00	3	337	75	26	17	1	0	0	2	0	0	0	0	461	46
07:00	2	445	106	13	19	2	0	1	2	0	0	0	0	590	37
08:00	3	470	130	7	16	2	0	1	4	0	0	0	0	633	30
09:00	4	415	114	8	21	6	0	0	2	0	0	0	0	570	37
10:00	5	450	137	13	23	7	0	1	2	0	0	0	0	638	46
11:00	1	541	113	19	14	4	0	3	2	0	0	0	0	697	42
12 PM	5	545	113	1	22	5	0	3	2	0	0	0	0	696	33
13:00	2	558	126	3	14	3	0	0	1	0	0	0	0	707	21
14:00	8	573	139	8	14	7	0	0	0	0	0	0	0	749	29
15:00	13	595	165	7	21	8	0	1	3	0	0	0	0	813	40
16:00	6	647	139	3	20	5	1	2	0	0	0	0	0	823	31
17:00	3	729	134	2	14	8	0	1	0	0	0	0	0	891	25
18:00	4	617	123	3	15	4	0	0	0	0	0	0	0	766	22
19:00	4	451	96	2	11	4	0	0	0	0	0	0	0	568	17
20:00	6	360	62	1	6	1	0	0	0	0	0	0	0	436	8
21:00	3	278	44	2	7	1	0	0	0	0	0	0	0	335	10
22:00	1	219	25	0	5	1	0	0	0	0	0	0	0	251	6
23:00	0	142	15	1	1	0	0	0	1	0	0	0	0	160	3
<b>Total</b>	<b>75</b>	<b>8789</b>	<b>1930</b>	<b>123</b>	<b>274</b>	<b>69</b>	<b>1</b>	<b>14</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11297</b>	<b>503</b>
<b>Percent</b>	<b>0.7%</b>	<b>77.8%</b>	<b>17.1%</b>	<b>1.1%</b>	<b>2.4%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.5%</b>
<b>AM Peak</b>	<b>10:00</b>	<b>11:00</b>	<b>10:00</b>	<b>06:00</b>	<b>10:00</b>	<b>10:00</b>		<b>11:00</b>	<b>08:00</b>					<b>11:00</b>	<b>06:00</b>
<b>Vol.</b>	<b>5</b>	<b>541</b>	<b>137</b>	<b>26</b>	<b>23</b>	<b>7</b>		<b>3</b>	<b>4</b>					<b>697</b>	<b>46</b>
<b>PM Peak</b>	<b>15:00</b>	<b>17:00</b>	<b>15:00</b>	<b>14:00</b>	<b>12:00</b>	<b>15:00</b>	<b>16:00</b>	<b>12:00</b>	<b>15:00</b>					<b>17:00</b>	<b>15:00</b>
<b>Vol.</b>	<b>13</b>	<b>729</b>	<b>165</b>	<b>8</b>	<b>22</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>3</b>					<b>891</b>	<b>40</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Warren Ave

**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	Truck Total
09/26/1															
3	2	83	12	0	2	2	0	0	0	0	0	0	0	101	4
01:00	1	36	7	0	1	0	0	0	0	0	0	0	0	45	1
02:00	1	41	6	0	1	1	0	0	0	0	0	0	0	50	2
03:00	0	31	6	0	1	0	0	0	1	0	0	0	0	39	2
04:00	1	63	17	1	3	1	0	0	0	0	0	0	0	86	5
05:00	2	146	42	1	9	0	0	0	1	0	0	0	0	201	11
06:00	2	329	76	15	14	2	0	0	1	0	0	0	0	439	32
07:00	4	450	119	16	16	0	0	2	2	0	0	0	0	609	36
08:00	6	450	105	8	19	3	0	1	1	0	0	0	0	593	32
09:00	7	421	113	2	21	6	0	1	2	0	0	0	0	573	32
10:00	4	483	136	8	25	6	1	2	4	0	0	0	0	669	46
11:00	2	536	122	8	23	4	0	6	2	0	0	0	0	703	43
12 PM	3	483	126	6	13	10	0	3	0	0	0	0	0	644	32
13:00	5	533	128	15	18	4	1	1	1	0	0	0	0	706	40
14:00	9	575	136	21	20	6	0	2	0	0	0	0	0	769	49
15:00	5	667	136	6	17	2	0	3	0	0	0	0	0	836	28
16:00	5	627	128	4	12	3	0	4	2	0	0	0	0	785	25
17:00	8	628	129	4	11	3	0	1	0	0	0	0	0	784	19
18:00	6	598	120	3	13	2	0	2	0	0	0	0	0	744	20
19:00	8	480	112	0	10	3	0	0	0	0	0	0	0	613	13
20:00	2	346	67	3	4	1	0	1	0	0	0	0	0	424	9
21:00	3	318	63	0	7	2	0	0	0	0	0	0	0	393	9
22:00	1	252	26	0	3	0	0	0	0	0	0	0	0	282	3
23:00	2	170	24	1	1	2	0	0	0	0	0	0	0	200	4
Total	89	8746	1956	122	264	63	2	29	17	0	0	0	0	11288	497
Percent	0.8%	77.5%	17.3%	1.1%	2.3%	0.6%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		4.4%
AM Peak	09:00	11:00	10:00	07:00	10:00	09:00	10:00	11:00	10:00					11:00	10:00
Vol.	7	536	136	16	25	6	1	6	4					703	46
PM Peak	14:00	15:00	14:00	14:00	14:00	12:00	13:00	16:00	16:00					15:00	14:00
Vol.	9	667	136	21	20	10	1	4	2					836	49
Grand Total	164	17535	3886	245	538	132	3	43	39	0	0	0	0	22585	1000
Percent	0.7%	77.6%	17.2%	1.1%	2.4%	0.6%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		4.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

Start Time	23-Sep-13		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	*	*	*	*	46	25	30	21	*	*	*	*	*	*	38	23
01:00	*	*	*	*	20	9	21	14	*	*	*	*	*	*	20	12
02:00	*	*	*	*	13	8	18	15	*	*	*	*	*	*	16	12
03:00	*	*	*	*	10	10	13	15	*	*	*	*	*	*	12	12
04:00	*	*	*	*	25	31	26	26	*	*	*	*	*	*	26	28
05:00	*	*	*	*	50	81	52	72	*	*	*	*	*	*	51	76
06:00	*	*	*	*	149	178	123	188	*	*	*	*	*	*	136	183
07:00	*	*	*	*	<b>289</b>	<b>181</b>	<b>288</b>	<b>178</b>	*	*	*	*	*	*	<b>288</b>	<b>180</b>
08:00	*	*	*	*	226	<b>243</b>	191	<b>254</b>	*	*	*	*	*	*	208	<b>248</b>
09:00	*	*	*	*	214	188	217	191	*	*	*	*	*	*	216	190
10:00	*	*	*	*	216	239	230	225	*	*	*	*	*	*	223	232
11:00	*	*	*	*	282	221	245	237	*	*	*	*	*	*	264	229
12:00 PM	*	*	*	*	246	255	261	207	*	*	*	*	*	*	254	231
01:00	*	*	*	*	269	231	264	238	*	*	*	*	*	*	266	234
02:00	*	*	*	*	286	271	264	<b>270</b>	*	*	*	*	*	*	275	270
03:00	*	*	*	*	275	295	<b>315</b>	232	*	*	*	*	*	*	295	264
04:00	*	*	*	*	294	271	275	254	*	*	*	*	*	*	284	262
05:00	*	*	*	*	<b>314</b>	<b>303</b>	285	244	*	*	*	*	*	*	<b>300</b>	<b>274</b>
06:00	*	*	*	*	261	218	301	240	*	*	*	*	*	*	281	229
07:00	*	*	*	*	215	175	192	168	*	*	*	*	*	*	204	172
08:00	*	*	*	*	162	133	159	138	*	*	*	*	*	*	160	136
09:00	*	*	*	*	119	89	135	110	*	*	*	*	*	*	127	100
10:00	*	*	*	*	93	66	104	82	*	*	*	*	*	*	98	74
11:00	*	*	*	*	63	49	70	59	*	*	*	*	*	*	66	54
Total Day	0	0	0	0	4137	3770	4079	3678	0	0	0	0	0	0	4108	3725
AM Peak	-	-	-	-	07:00	08:00	07:00	08:00	-	-	-	-	-	-	07:00	08:00
Vol.	-	-	-	-	289	243	288	254	-	-	-	-	-	-	288	248
PM Peak	-	-	-	-	17:00	17:00	15:00	14:00	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	-	-	314	303	315	270	-	-	-	-	-	-	300	274

Comb. Total                    0                    0                    7907                    7757                    0                    0                    0                    7833

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

Start Time	25-Sep-13 Wed		EB		WB		Combined		26-Sep Thu		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.	A.M.	P.M.
12:00	16	67	8	63	24	130			8	78	5	44	13	122		
12:15	13	60	6	68	19	128			9	63	5	46	14	109		
12:30	8	61	7	59	15	120			5	59	4	65	9	124		
12:45	9	58	4	65	13	123			8	61	7	52	15	113		
01:00	6	66	2	48	8	114			7	64	7	59	14	123		
01:15	4	61	2	63	6	124			7	66	1	58	8	124		
01:30	6	74	2	52	8	126			4	69	3	62	7	131		
01:45	4	68	3	68	7	136			3	65	3	59	6	124		
02:00	6	75	5	58	11	133			4	60	7	52	11	112		
02:15	4	71	0	58	4	129			6	66	6	63	12	129		
02:30	2	72	1	67	3	139			2	67	0	85	2	152		
02:45	1	68	2	88	3	156			6	71	2	70	8	141		
03:00	0	67	0	62	0	129			1	77	3	53	4	130		
03:15	1	73	5	67	6	140			2	76	1	53	3	129		
03:30	8	71	3	85	11	156			5	81	6	62	11	143		
03:45	1	64	2	81	3	145			5	81	5	64	10	145		
04:00	5	68	5	90	10	158			4	63	8	57	12	120		
04:15	4	71	5	61	9	132			5	80	6	49	11	129		
04:30	3	85	12	60	15	145			9	61	6	74	15	135		
04:45	13	70	9	60	22	130			8	71	6	74	14	145		
05:00	14	84	13	68	27	152			8	70	12	60	20	130		
05:15	7	91	17	66	24	157			9	79	17	65	26	144		
05:30	10	77	20	91	30	168			16	74	22	56	38	130		
05:45	19	62	31	78	50	140			19	62	21	63	40	125		
06:00	28	62	22	57	50	119			25	62	28	64	53	126		
06:15	30	75	42	56	72	131			25	75	39	55	64	130		
06:30	34	63	55	61	89	124			24	87	63	54	87	141		
06:45	57	61	59	44	116	105			49	77	58	67	107	144		
07:00	58	75	30	45	88	120				81	51	31	50	112	101	
07:15		82	52	38	43	120	95			65	46	33	34	98	80	
07:30		81	52	55	37	136	89			63	58	47	41	110	99	
07:45		68	36	58	50	126	86			79	37	67	43	146	80	
08:00		72	46	54	36	126	82			49	49	64	43	113	92	
08:15		49	41	74	35	123	76			55	34	66	23	121	57	
08:30		44	42	53	33	97	75			35	49	58	24	93	73	
08:45		61	33	62	29	123	62			52	27	66	48	118	75	
09:00		60	43	33	23	93	66			62	43	57	33	119	76	
09:15		49	30	62	24	111	54			46	32	45	20	91	52	
09:30		48	27	35	22	83	49			57	30	48	26	105	56	
09:45		57	19	58	20	115	39			52	30	41	31	93	61	
10:00		44	29	48	21	92	50			49	27	39	25	88	52	
10:15		66	22	59	11	125	33			42	34	64	23	106	57	
10:30		56	19	59	19	115	38			72	22	48	16	120	38	
10:45		50	23	73	15	123	38			67	21	74	18	141	39	
11:00		66	21	70	13	136	34			49	18	55	9	104	27	
11:15		73	15	45	9	118	24			68	16	57	19	125	35	
11:30		74	12	51	18	125	30			75	24	68	19	143	43	
11:45		69	15	55	9	124	24			53	12	57	12	110	24	
Total		1540	2597	1414	2356	2954	4953			1454	2625	1436	2242	2890	4867	
Day Total			4137		3770		7907			4079		3678		7757		
% Total		19.5%	32.8%	17.9%	29.8%					18.7%	33.8%	18.5%	28.9%			
Peak	-	07:15	04:30	10:15	03:15	07:30	05:00	-	07:00	03:00	07:45	04:30	10:45	04:30		
Vol.	-	303	330	261	323	511	617	-	288	315	255	273	513	554		
P.H.F.		0.924	0.907	0.882	0.897	0.939	0.918		0.889	0.972	0.951	0.803	0.878	0.911		

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	71	51	*	*	*	61
01:00	*	*	29	35	*	*	*	32
02:00	*	*	21	33	*	*	*	27
03:00	*	*	20	28	*	*	*	24
04:00	*	*	56	52	*	*	*	54
05:00	*	*	131	124	*	*	*	128
06:00	*	*	327	311	*	*	*	319
07:00	*	*	470	466	*	*	*	468
08:00	*	*	469	445	*	*	*	457
09:00	*	*	402	408	*	*	*	405
10:00	*	*	455	455	*	*	*	455
11:00	*	*	<b>503</b>	<b>482</b>	*	*	*	<b>492</b>
12:00 PM	*	*	501	468	*	*	*	484
01:00	*	*	500	502	*	*	*	501
02:00	*	*	557	534	*	*	*	546
03:00	*	*	570	<b>547</b>	*	*	*	558
04:00	*	*	565	529	*	*	*	547
05:00	*	*	<b>617</b>	529	*	*	*	<b>573</b>
06:00	*	*	479	541	*	*	*	510
07:00	*	*	390	360	*	*	*	375
08:00	*	*	295	297	*	*	*	296
09:00	*	*	208	245	*	*	*	226
10:00	*	*	159	186	*	*	*	172
11:00	*	*	112	129	*	*	*	120
Total	0	0	7907	7757	0	0	0	7830
Percentage	0.0%	0.0%	101.0%	99.1%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	503	482	-	-	-	492
PM Peak	-	-	17:00	15:00	-	-	-	17:00
Vol.	-	-	617	547	-	-	-	573



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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

**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
09/25/1															
3	0	0	8	27	8	3	0	0	0	0	0	0	0	0	46
01:00	1	0	2	11	5	1	0	0	0	0	0	0	0	0	20
02:00	0	1	1	3	7	1	0	0	0	0	0	0	0	0	13
03:00	0	0	1	2	4	2	1	0	0	0	0	0	0	0	10
04:00	0	0	4	13	6	2	0	0	0	0	0	0	0	0	25
05:00	5	1	6	17	14	7	0	0	0	0	0	0	0	0	50
06:00	2	5	37	66	34	5	0	0	0	0	0	0	0	0	149
07:00	32	26	94	106	27	4	0	0	0	0	0	0	0	0	289
08:00	16	9	53	116	30	2	0	0	0	0	0	0	0	0	226
09:00	9	5	35	123	36	5	1	0	0	0	0	0	0	0	214
10:00	7	2	67	95	41	4	0	0	0	0	0	0	0	0	216
11:00	28	35	81	109	29	0	0	0	0	0	0	0	0	0	282
12 PM	17	26	93	92	17	1	0	0	0	0	0	0	0	0	246
13:00	27	25	89	101	27	0	0	0	0	0	0	0	0	0	269
14:00	18	22	112	108	26	0	0	0	0	0	0	0	0	0	286
15:00	32	48	96	77	21	1	0	0	0	0	0	0	0	0	275
16:00	24	29	121	87	29	4	0	0	0	0	0	0	0	0	294
17:00	31	40	109	103	27	3	1	0	0	0	0	0	0	0	314
18:00	18	26	92	98	22	5	0	0	0	0	0	0	0	0	261
19:00	12	16	67	88	30	1	1	0	0	0	0	0	0	0	215
20:00	8	6	51	70	23	4	0	0	0	0	0	0	0	0	162
21:00	3	2	27	65	18	4	0	0	0	0	0	0	0	0	119
22:00	0	2	18	40	31	2	0	0	0	0	0	0	0	0	93
23:00	4	2	9	24	20	2	2	0	0	0	0	0	0	0	63
<b>Total</b>	<b>294</b>	<b>328</b>	<b>1273</b>	<b>1641</b>	<b>532</b>	<b>63</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4137</b>

Daily

15th Percentile :	14 MPH
50th Percentile :	24 MPH
85th Percentile :	30 MPH
95th Percentile :	33 MPH

Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	2447
Percent in Pace :	59.1%
Number of Vehicles > 30 MPH :	601
Percent of Vehicles > 30 MPH :	14.5%

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

**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
09/26/13	1	1	5	12	10	1	0	0	0	0	0	0	0	0	30
01:00	0	2	3	7	7	1	1	0	0	0	0	0	0	0	21
02:00	1	2	2	6	5	1	1	0	0	0	0	0	0	0	18
03:00	1	0	0	6	3	2	1	0	0	0	0	0	0	0	13
04:00	0	0	5	10	8	1	2	0	0	0	0	0	0	0	26
05:00	3	0	12	20	17	0	0	0	0	0	0	0	0	0	52
06:00	3	7	33	53	25	2	0	0	0	0	0	0	0	0	123
07:00	22	20	102	119	23	2	0	0	0	0	0	0	0	0	288
08:00	15	4	51	83	33	5	0	0	0	0	0	0	0	0	191
09:00	14	8	55	94	38	7	1	0	0	0	0	0	0	0	217
10:00	14	22	87	79	26	2	0	0	0	0	0	0	0	0	230
11:00	34	30	82	68	28	3	0	0	0	0	0	0	0	0	245
12 PM	16	24	100	94	24	3	0	0	0	0	0	0	0	0	261
13:00	16	24	83	117	20	4	0	0	0	0	0	0	0	0	264
14:00	57	31	73	82	18	2	1	0	0	0	0	0	0	0	264
15:00	24	41	123	102	24	1	0	0	0	0	0	0	0	0	315
16:00	24	41	104	83	21	2	0	0	0	0	0	0	0	0	275
17:00	18	8	78	128	48	5	0	0	0	0	0	0	0	0	285
18:00	23	27	109	105	34	3	0	0	0	0	0	0	0	0	301
19:00	5	3	49	95	35	5	0	0	0	0	0	0	0	0	192
20:00	5	6	33	73	40	2	0	0	0	0	0	0	0	0	159
21:00	5	3	24	69	27	6	0	1	0	0	0	0	0	0	135
22:00	5	0	13	55	27	4	0	0	0	0	0	0	0	0	104
23:00	1	0	7	42	19	1	0	0	0	0	0	0	0	0	70
<b>Total</b>	<b>307</b>	<b>304</b>	<b>1233</b>	<b>1602</b>	<b>560</b>	<b>65</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4079</b>

Daily  
 15th Percentile : 14 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 2389  
 Percent in Pace : 58.6%  
 Number of Vehicles > 30 MPH : 633  
 Percent of Vehicles > 30 MPH : 15.5%

<b>Grand Total</b>	<b>601</b>	<b>632</b>	<b>2506</b>	<b>3243</b>	<b>1092</b>	<b>128</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8216</b>
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Overall  
 15th Percentile : 14 MPH  
 50th Percentile : 24 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 33 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 4836  
 Percent in Pace : 58.9%  
 Number of Vehicles > 30 MPH : 1234  
 Percent of Vehicles > 30 MPH : 15.0%

**Old Colony Planning Council**  
**70 School Street**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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
09/25/1															
3	0	1	3	9	10	2	0	0	0	0	0	0	0	0	25
01:00	1	0	0	5	2	0	1	0	0	0	0	0	0	0	9
02:00	0	1	3	1	2	1	0	0	0	0	0	0	0	0	8
03:00	1	1	2	3	3	0	0	0	0	0	0	0	0	0	10
04:00	1	0	5	12	8	3	2	0	0	0	0	0	0	0	31
05:00	4	0	15	32	20	9	1	0	0	0	0	0	0	0	81
06:00	7	11	36	77	41	4	2	0	0	0	0	0	0	0	178
07:00	10	6	44	66	43	12	0	0	0	0	0	0	0	0	181
08:00	15	5	50	101	61	8	3	0	0	0	0	0	0	0	243
09:00	7	9	35	87	46	4	0	0	0	0	0	0	0	0	188
10:00	14	16	78	92	31	8	0	0	0	0	0	0	0	0	239
11:00	19	14	66	83	32	7	0	0	0	0	0	0	0	0	221
12 PM	20	12	86	98	35	4	0	0	0	0	0	0	0	0	255
13:00	18	8	51	84	60	9	1	0	0	0	0	0	0	0	231
14:00	26	16	70	96	53	9	1	0	0	0	0	0	0	0	271
15:00	28	34	93	102	33	4	0	1	0	0	0	0	0	0	295
16:00	29	16	80	105	35	3	2	1	0	0	0	0	0	0	271
17:00	30	32	104	94	35	8	0	0	0	0	0	0	0	0	303
18:00	21	16	71	88	21	1	0	0	0	0	0	0	0	0	218
19:00	25	10	43	57	35	5	0	0	0	0	0	0	0	0	175
20:00	14	4	38	55	18	2	1	1	0	0	0	0	0	0	133
21:00	4	1	25	31	23	5	0	0	0	0	0	0	0	0	89
22:00	3	3	19	26	13	2	0	0	0	0	0	0	0	0	66
23:00	1	1	10	17	17	2	1	0	0	0	0	0	0	0	49
<b>Total</b>	<b>298</b>	<b>217</b>	<b>1027</b>	<b>1421</b>	<b>677</b>	<b>112</b>	<b>15</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3770</b>

Daily

15th Percentile :	14 MPH
50th Percentile :	25 MPH
85th Percentile :	31 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	2121
Percent in Pace :	56.3%
Number of Vehicles > 30 MPH :	807
Percent of Vehicles > 30 MPH :	21.4%

**Old Colony Planning Council**  
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 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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
09/26/1															
3	0	0	5	10	3	3	0	0	0	0	0	0	0	0	21
01:00	1	0	3	8	1	1	0	0	0	0	0	0	0	0	14
02:00	1	0	3	5	6	0	0	0	0	0	0	0	0	0	15
03:00	1	0	3	4	5	2	0	0	0	0	0	0	0	0	15
04:00	0	1	4	8	11	1	1	0	0	0	0	0	0	0	26
05:00	2	1	16	21	24	7	1	0	0	0	0	0	0	0	72
06:00	13	9	44	76	37	9	0	0	0	0	0	0	0	0	188
07:00	16	11	45	61	41	3	1	0	0	0	0	0	0	0	178
08:00	16	9	69	105	48	6	1	0	0	0	0	0	0	0	254
09:00	11	7	42	86	37	8	0	0	0	0	0	0	0	0	191
10:00	30	16	57	86	33	2	1	0	0	0	0	0	0	0	225
11:00	19	21	70	89	35	3	0	0	0	0	0	0	0	0	237
12 PM	18	14	54	78	37	6	0	0	0	0	0	0	0	0	207
13:00	23	24	67	85	33	5	1	0	0	0	0	0	0	0	238
14:00	37	18	83	87	43	2	0	0	0	0	0	0	0	0	270
15:00	12	14	65	82	52	5	2	0	0	0	0	0	0	0	232
16:00	25	22	70	89	37	11	0	0	0	0	0	0	0	0	254
17:00	13	8	71	103	41	8	0	0	0	0	0	0	0	0	244
18:00	15	24	68	97	31	5	0	0	0	0	0	0	0	0	240
19:00	10	4	44	64	41	5	0	0	0	0	0	0	0	0	168
20:00	8	8	31	54	32	4	1	0	0	0	0	0	0	0	138
21:00	7	2	34	42	19	5	1	0	0	0	0	0	0	0	110
22:00	4	1	13	33	23	7	1	0	0	0	0	0	0	0	82
23:00	0	0	13	23	18	5	0	0	0	0	0	0	0	0	59
<b>Total</b>	<b>282</b>	<b>214</b>	<b>974</b>	<b>1396</b>	<b>688</b>	<b>113</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3678</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 23-32 MPH  
 Number in Pace : 2069  
 Percent in Pace : 56.3%  
 Number of Vehicles > 30 MPH : 812  
 Percent of Vehicles > 30 MPH : 22.1%

<b>Grand Total</b>	<b>580</b>	<b>431</b>	<b>2001</b>	<b>2817</b>	<b>1365</b>	<b>225</b>	<b>26</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7448</b>
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Overall

15th Percentile : 14 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 31 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 25 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 4188  
 Percent in Pace : 56.2%  
 Number of Vehicles > 30 MPH : 1619  
 Percent of Vehicles > 30 MPH : 21.7%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

**EB, 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
09/25/1															
3	0	1	11	36	18	5	0	0	0	0	0	0	0	0	71
01:00	2	0	2	16	7	1	1	0	0	0	0	0	0	0	29
02:00	0	2	4	4	9	2	0	0	0	0	0	0	0	0	21
03:00	1	1	3	5	7	2	1	0	0	0	0	0	0	0	20
04:00	1	0	9	25	14	5	2	0	0	0	0	0	0	0	56
05:00	9	1	21	49	34	16	1	0	0	0	0	0	0	0	131
06:00	9	16	73	143	75	9	2	0	0	0	0	0	0	0	327
07:00	42	32	138	172	70	16	0	0	0	0	0	0	0	0	470
08:00	31	14	103	217	91	10	3	0	0	0	0	0	0	0	469
09:00	16	14	70	210	82	9	1	0	0	0	0	0	0	0	402
10:00	21	18	145	187	72	12	0	0	0	0	0	0	0	0	455
11:00	47	49	147	192	61	7	0	0	0	0	0	0	0	0	503
12 PM	37	38	179	190	52	5	0	0	0	0	0	0	0	0	501
13:00	45	33	140	185	87	9	1	0	0	0	0	0	0	0	500
14:00	44	38	182	204	79	9	1	0	0	0	0	0	0	0	557
15:00	60	82	189	179	54	5	0	1	0	0	0	0	0	0	570
16:00	53	45	201	192	64	7	2	1	0	0	0	0	0	0	565
17:00	61	72	213	197	62	11	1	0	0	0	0	0	0	0	617
18:00	39	42	163	186	43	6	0	0	0	0	0	0	0	0	479
19:00	37	26	110	145	65	6	1	0	0	0	0	0	0	0	390
20:00	22	10	89	125	41	6	1	1	0	0	0	0	0	0	295
21:00	7	3	52	96	41	9	0	0	0	0	0	0	0	0	208
22:00	3	5	37	66	44	4	0	0	0	0	0	0	0	0	159
23:00	5	3	19	41	37	4	3	0	0	0	0	0	0	0	112
<b>Total</b>	<b>592</b>	<b>545</b>	<b>2300</b>	<b>3062</b>	<b>1209</b>	<b>175</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7907</b>

Daily

15th Percentile :	14 MPH
50th Percentile :	25 MPH
85th Percentile :	30 MPH
95th Percentile :	34 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	22-31 MPH
Number in Pace :	4568
Percent in Pace :	57.8%
Number of Vehicles > 30 MPH :	1408
Percent of Vehicles > 30 MPH :	17.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main St

**EB, 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
09/26/13	1	1	10	22	13	4	0	0	0	0	0	0	0	0	51
01:00	1	2	6	15	8	2	1	0	0	0	0	0	0	0	35
02:00	2	2	5	11	11	1	1	0	0	0	0	0	0	0	33
03:00	2	0	3	10	8	4	1	0	0	0	0	0	0	0	28
04:00	0	1	9	18	19	2	3	0	0	0	0	0	0	0	52
05:00	5	1	28	41	41	7	1	0	0	0	0	0	0	0	124
06:00	16	16	77	129	62	11	0	0	0	0	0	0	0	0	311
07:00	38	31	147	180	64	5	1	0	0	0	0	0	0	0	466
08:00	31	13	120	188	81	11	1	0	0	0	0	0	0	0	445
09:00	25	15	97	180	75	15	1	0	0	0	0	0	0	0	408
10:00	44	38	144	165	59	4	1	0	0	0	0	0	0	0	455
11:00	53	51	152	157	63	6	0	0	0	0	0	0	0	0	482
12 PM	34	38	154	172	61	9	0	0	0	0	0	0	0	0	468
13:00	39	48	150	202	53	9	1	0	0	0	0	0	0	0	502
14:00	94	49	156	169	61	4	1	0	0	0	0	0	0	0	534
15:00	36	55	188	184	76	6	2	0	0	0	0	0	0	0	547
16:00	49	63	174	172	58	13	0	0	0	0	0	0	0	0	529
17:00	31	16	149	231	89	13	0	0	0	0	0	0	0	0	529
18:00	38	51	177	202	65	8	0	0	0	0	0	0	0	0	541
19:00	15	7	93	159	76	10	0	0	0	0	0	0	0	0	360
20:00	13	14	64	127	72	6	1	0	0	0	0	0	0	0	297
21:00	12	5	58	111	46	11	1	1	0	0	0	0	0	0	245
22:00	9	1	26	88	50	11	1	0	0	0	0	0	0	0	186
23:00	1	0	20	65	37	6	0	0	0	0	0	0	0	0	129
<b>Total</b>	<b>589</b>	<b>518</b>	<b>2207</b>	<b>2998</b>	<b>1248</b>	<b>178</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7757</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 4456  
 Percent in Pace : 57.4%  
 Number of Vehicles > 30 MPH : 1445  
 Percent of Vehicles > 30 MPH : 18.6%

<b>Grand Total</b>	<b>1181</b>	<b>1063</b>	<b>4507</b>	<b>6060</b>	<b>2457</b>	<b>353</b>	<b>39</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15664</b>
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Overall

15th Percentile : 14 MPH  
 50th Percentile : 25 MPH  
 85th Percentile : 30 MPH  
 95th Percentile : 34 MPH

Mean Speed(Average) : 24 MPH  
 10 MPH Pace Speed : 22-31 MPH  
 Number in Pace : 9025  
 Percent in Pace : 57.6%  
 Number of Vehicles > 30 MPH : 2853  
 Percent of Vehicles > 30 MPH : 18.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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	Truck Total
09/25/1															
3	0	40	5	0	1	0	0	0	0	0	0	0	0	46	1
01:00	0	16	4	0	0	0	0	0	0	0	0	0	0	20	0
02:00	0	12	1	0	0	0	0	0	0	0	0	0	0	13	0
03:00	0	8	0	0	1	1	0	0	0	0	0	0	0	10	2
04:00	0	19	6	0	0	0	0	0	0	0	0	0	0	25	0
05:00	0	41	7	0	1	0	0	1	0	0	0	0	0	50	2
06:00	0	105	27	6	10	1	0	0	0	0	0	0	0	149	17
07:00	2	215	50	8	8	2	0	2	1	0	0	0	0	288	21
08:00	0	159	46	3	5	5	0	4	2	0	0	0	0	224	19
09:00	0	154	42	5	12	0	0	0	0	0	0	0	0	213	17
10:00	0	163	39	0	8	2	0	0	0	1	0	0	0	213	11
11:00	2	197	54	13	11	4	0	0	0	0	0	0	1	282	29
12 PM	2	186	40	0	11	4	0	0	1	0	0	0	0	244	16
13:00	4	195	54	2	9	1	0	2	0	0	0	0	0	267	14
14:00	3	214	50	1	9	3	0	4	0	0	0	0	0	284	17
15:00	2	193	55	3	14	3	1	2	0	0	0	0	0	273	23
16:00	2	228	43	2	12	4	0	2	0	0	0	0	0	293	20
17:00	3	244	50	2	11	1	0	1	0	0	0	0	0	312	15
18:00	0	211	43	0	4	1	0	1	0	0	0	0	0	260	6
19:00	3	161	42	2	3	2	0	0	0	0	0	0	0	213	7
20:00	0	124	30	1	3	1	0	0	0	0	0	0	0	159	5
21:00	1	90	23	1	4	0	0	0	0	0	0	0	0	119	5
22:00	0	80	11	0	2	0	0	0	0	0	0	0	0	93	2
23:00	1	50	8	0	3	0	0	0	1	0	0	0	0	63	4
Total	25	3105	730	49	142	35	1	19	5	1	0	0	1	4113	253
Percent	0.6%	75.5%	17.7%	1.2%	3.5%	0.9%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		6.2%
AM Peak Vol.	07:00	07:00	11:00	11:00	09:00	08:00		08:00	08:00	10:00			11:00	07:00	11:00
PM Peak Vol.	13:00	17:00	15:00	15:00	15:00	12:00	15:00	14:00	12:00					17:00	15:00
	4	244	55	3	14	4	1	4	1					312	23

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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	Truck Total
09/26/1															
3	1	22	6	0	1	0	0	0	0	0	0	0	0	30	1
01:00	0	18	2	0	1	0	0	0	0	0	0	0	0	21	1
02:00	0	16	2	0	0	0	0	0	0	0	0	0	0	18	0
03:00	0	10	0	0	2	0	0	0	1	0	0	0	0	13	3
04:00	0	19	5	0	2	0	0	0	0	0	0	0	0	26	2
05:00	1	44	5	0	1	0	0	0	1	0	0	0	0	52	2
06:00	1	83	28	5	5	1	0	0	0	0	0	0	0	123	11
07:00	1	201	63	7	11	2	0	1	1	0	0	0	0	287	22
08:00	3	146	27	3	8	1	0	1	1	0	0	0	0	190	14
09:00	2	155	44	1	11	2	0	0	0	0	0	0	0	215	14
10:00	3	148	65	2	5	3	0	2	0	0	0	0	1	229	13
11:00	2	179	47	2	11	0	0	3	0	0	0	0	0	244	16
12 PM	1	184	60	2	7	2	0	2	1	0	0	0	0	259	14
13:00	0	206	45	4	6	1	1	0	0	0	0	0	0	263	12
14:00	1	198	41	8	10	3	0	2	0	0	0	0	0	263	23
15:00	3	237	61	3	9	1	0	1	0	0	0	0	0	315	14
16:00	3	214	51	0	4	0	0	3	0	0	0	0	0	275	7
17:00	2	225	50	0	7	0	0	0	0	0	0	0	0	284	7
18:00	0	230	59	3	8	0	0	0	0	0	0	0	0	300	11
19:00	0	155	35	1	1	0	0	0	0	0	0	0	0	192	2
20:00	3	124	25	1	4	1	0	1	0	0	0	0	0	159	7
21:00	1	104	21	0	5	1	0	1	0	0	0	0	0	133	7
22:00	0	92	10	0	0	0	0	0	0	0	0	0	0	102	0
23:00	0	58	10	0	2	0	0	0	0	0	0	0	0	70	2
Total	28	3068	762	42	121	18	1	17	5	0	0	0	1	4063	205
Percent	0.7%	75.5%	18.8%	1.0%	3.0%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak Vol.	3	201	65	7	11	3		3	1				1	287	22
PM Peak Vol.	3	237	61	8	10	3	1	3	1					315	23
Grand Total	53	6173	1492	91	263	53	2	36	10	1	0	0	2	8176	458
Percent	0.6%	75.5%	18.2%	1.1%	3.2%	0.6%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.6%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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	Truck Total
09/25/1															
3	0	19	5	0	1	0	0	0	0	0	0	0	0	25	1
01:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	7	0	0	1	0	0	0	0	0	0	0	0	8	1
03:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
04:00	0	13	13	1	4	0	0	0	0	0	0	0	0	31	5
05:00	0	56	19	1	4	0	0	0	0	0	0	0	0	80	5
06:00	1	108	45	10	12	1	0	0	0	0	0	0	0	177	23
07:00	1	109	48	3	19	0	0	0	0	0	0	0	0	180	22
08:00	3	149	70	2	16	0	0	0	1	0	0	0	0	241	19
09:00	1	114	53	5	13	1	0	0	0	0	0	0	0	187	19
10:00	2	124	85	6	17	0	0	1	3	0	0	0	0	238	27
11:00	3	149	54	2	11	0	0	1	1	0	0	0	0	221	15
12 PM	6	170	58	1	16	0	0	2	0	0	0	0	0	253	19
13:00	3	152	68	1	3	1	0	0	0	0	0	0	0	228	5
14:00	5	172	72	1	18	1	0	1	0	0	0	0	0	270	21
15:00	1	188	84	3	14	2	0	0	1	0	0	0	0	293	20
16:00	7	163	80	1	13	1	0	2	0	0	0	0	0	267	17
17:00	1	216	71	1	9	2	0	1	0	0	0	0	0	301	13
18:00	3	145	63	0	7	0	0	0	0	0	0	0	0	218	7
19:00	1	127	42	0	4	0	0	0	0	0	0	0	0	174	4
20:00	2	95	31	0	4	0	0	0	0	0	0	0	0	132	4
21:00	0	61	23	0	3	0	0	0	0	0	0	0	0	87	3
22:00	1	53	8	0	2	0	0	1	0	0	0	0	0	65	3
23:00	0	38	8	1	1	1	0	0	0	0	0	0	0	49	3
Total	41	2443	1004	39	192	10	0	9	6	0	0	0	0	3744	256
Percent	1.1%	65.3%	26.8%	1.0%	5.1%	0.3%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		6.8%
AM Peak	08:00	08:00	10:00	06:00	07:00	06:00		10:00	10:00					08:00	10:00
Vol.	3	149	85	10	19	1		1	3					241	27
PM Peak	16:00	17:00	15:00	15:00	14:00	15:00		12:00	15:00					17:00	14:00
Vol.	7	216	84	3	18	2		2	1					301	21

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
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 Forest Ave, west of Main 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	Truck Total
09/26/1															
3	0	14	6	0	0	1	0	0	0	0	0	0	0	21	1
01:00	0	10	3	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15	0
03:00	1	9	5	0	0	0	0	0	0	0	0	0	0	15	0
04:00	0	11	12	1	2	0	0	0	0	0	0	0	0	26	3
05:00	0	47	16	1	8	0	0	0	0	0	0	0	0	72	9
06:00	1	124	38	11	13	0	0	1	0	0	0	0	0	188	25
07:00	1	110	42	2	18	0	0	0	1	0	0	0	0	174	21
08:00	2	154	81	3	11	1	0	0	0	0	0	0	0	252	15
09:00	1	115	58	1	14	1	0	0	0	0	0	0	0	190	16
10:00	3	125	68	5	16	4	0	1	1	0	0	0	0	223	27
11:00	1	148	67	2	12	1	0	2	1	0	0	0	0	234	18
12 PM	1	131	55	2	13	2	0	2	0	0	0	0	0	206	19
13:00	0	144	67	7	18	1	0	0	1	0	0	0	0	238	27
14:00	2	163	84	2	16	0	0	0	0	0	0	0	0	267	18
15:00	2	163	50	1	11	1	0	1	0	0	0	0	0	229	14
16:00	2	167	65	2	10	2	0	2	1	0	0	0	0	251	17
17:00	2	156	75	1	9	0	0	0	0	0	0	0	0	243	10
18:00	2	163	66	0	8	0	0	0	0	0	0	0	0	239	8
19:00	1	114	48	0	4	0	0	0	0	0	0	0	0	167	4
20:00	2	96	34	0	5	0	0	0	0	0	0	0	0	137	5
21:00	0	80	23	0	4	0	0	0	0	0	0	0	0	107	4
22:00	1	55	23	0	2	0	0	0	0	0	0	0	0	81	2
23:00	0	41	16	1	1	0	0	0	0	0	0	0	0	59	2
Total	25	2353	1004	42	196	14	0	9	5	0	0	0	0	3648	266
Percent	0.7%	64.5%	27.5%	1.2%	5.4%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		7.3%
AM Peak	10:00	08:00	08:00	06:00	07:00	10:00		11:00	07:00					08:00	10:00
Vol.	3	154	81	11	18	4		2	1					252	27
PM Peak	14:00	16:00	14:00	13:00	13:00	12:00		12:00	13:00					14:00	13:00
Vol.	2	167	84	7	18	2		2	1					267	27
Grand Total	66	4796	2008	81	388	24	0	18	11	0	0	0	0	7392	522
Percent	0.9%	64.9%	27.2%	1.1%	5.2%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		7.1%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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	Truck Total
09/25/1															
3	0	59	10	0	2	0	0	0	0	0	0	0	0	71	2
01:00	0	24	5	0	0	0	0	0	0	0	0	0	0	29	0
02:00	0	19	1	0	1	0	0	0	0	0	0	0	0	21	1
03:00	0	15	3	0	1	1	0	0	0	0	0	0	0	20	2
04:00	0	32	19	1	4	0	0	0	0	0	0	0	0	56	5
05:00	0	97	26	1	5	0	0	1	0	0	0	0	0	130	7
06:00	1	213	72	16	22	2	0	0	0	0	0	0	0	326	40
07:00	3	324	98	11	27	2	0	2	1	0	0	0	0	468	43
08:00	3	308	116	5	21	5	0	4	3	0	0	0	0	465	38
09:00	1	268	95	10	25	1	0	0	0	0	0	0	0	400	36
10:00	2	287	124	6	25	2	0	1	3	1	0	0	0	451	38
11:00	5	346	108	15	22	4	0	1	1	0	0	0	1	503	44
12 PM	8	356	98	1	27	4	0	2	1	0	0	0	0	497	35
13:00	7	347	122	3	12	2	0	2	0	0	0	0	0	495	19
14:00	8	386	122	2	27	4	0	5	0	0	0	0	0	554	38
15:00	3	381	139	6	28	5	1	2	1	0	0	0	0	566	43
16:00	9	391	123	3	25	5	0	4	0	0	0	0	0	560	37
17:00	4	460	121	3	20	3	0	2	0	0	0	0	0	613	28
18:00	3	356	106	0	11	1	0	1	0	0	0	0	0	478	13
19:00	4	288	84	2	7	2	0	0	0	0	0	0	0	387	11
20:00	2	219	61	1	7	1	0	0	0	0	0	0	0	291	9
21:00	1	151	46	1	7	0	0	0	0	0	0	0	0	206	8
22:00	1	133	19	0	4	0	0	1	0	0	0	0	0	158	5
23:00	1	88	16	1	4	1	0	0	1	0	0	0	0	112	7
<b>Total</b>	<b>66</b>	<b>5548</b>	<b>1734</b>	<b>88</b>	<b>334</b>	<b>45</b>	<b>1</b>	<b>28</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7857</b>	<b>509</b>
<b>Percent</b>	<b>0.8%</b>	<b>70.6%</b>	<b>22.1%</b>	<b>1.1%</b>	<b>4.3%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.4%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>6.5%</b>
<b>AM Peak Vol.</b>	<b>5</b>	<b>346</b>	<b>124</b>	<b>16</b>	<b>27</b>	<b>5</b>		<b>4</b>	<b>3</b>	<b>1</b>			<b>1</b>	<b>503</b>	<b>44</b>
<b>PM Peak Vol.</b>	<b>9</b>	<b>460</b>	<b>139</b>	<b>6</b>	<b>28</b>	<b>5</b>	<b>1</b>	<b>5</b>	<b>1</b>					<b>613</b>	<b>43</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13209  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Forest Ave, west of Main 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	Truck Total
09/26/1															
3	1	36	12	0	1	1	0	0	0	0	0	0	0	51	2
01:00	0	28	5	0	2	0	0	0	0	0	0	0	0	35	2
02:00	0	29	4	0	0	0	0	0	0	0	0	0	0	33	0
03:00	1	19	5	0	2	0	0	0	1	0	0	0	0	28	3
04:00	0	30	17	1	4	0	0	0	0	0	0	0	0	52	5
05:00	1	91	21	1	9	0	0	0	1	0	0	0	0	124	11
06:00	2	207	66	16	18	1	0	1	0	0	0	0	0	311	36
07:00	2	311	105	9	29	2	0	1	2	0	0	0	0	461	43
08:00	5	300	108	6	19	2	0	1	1	0	0	0	0	442	29
09:00	3	270	102	2	25	3	0	0	0	0	0	0	0	405	30
10:00	6	273	133	7	21	7	0	3	1	0	0	0	1	452	40
11:00	3	327	114	4	23	1	0	5	1	0	0	0	0	478	34
12 PM	2	315	115	4	20	4	0	4	1	0	0	0	0	465	33
13:00	0	350	112	11	24	2	1	0	1	0	0	0	0	501	39
14:00	3	361	125	10	26	3	0	2	0	0	0	0	0	530	41
15:00	5	400	111	4	20	2	0	2	0	0	0	0	0	544	28
16:00	5	381	116	2	14	2	0	5	1	0	0	0	0	526	24
17:00	4	381	125	1	16	0	0	0	0	0	0	0	0	527	17
18:00	2	393	125	3	16	0	0	0	0	0	0	0	0	539	19
19:00	1	269	83	1	5	0	0	0	0	0	0	0	0	359	6
20:00	5	220	59	1	9	1	0	1	0	0	0	0	0	296	12
21:00	1	184	44	0	9	1	0	1	0	0	0	0	0	240	11
22:00	1	147	33	0	2	0	0	0	0	0	0	0	0	183	2
23:00	0	99	26	1	3	0	0	0	0	0	0	0	0	129	4
Total	53	5421	1766	84	317	32	1	26	10	0	0	0	1	7711	471
Percent	0.7%	70.3%	22.9%	1.1%	4.1%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		6.1%
AM Peak	10:00	11:00	10:00	06:00	07:00	10:00		11:00	07:00				10:00	11:00	07:00
Vol.	6	327	133	16	29	7		5	2				1	478	43
PM Peak	15:00	15:00	14:00	13:00	14:00	12:00	13:00	16:00	12:00					15:00	14:00
Vol.	5	400	125	11	26	4	1	5	1					544	41
Grand Total	119	10969	3500	172	651	77	2	54	21	1	0	0	2	15568	980
Percent	0.8%	70.5%	22.5%	1.1%	4.2%	0.5%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		6.3%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

Start Time	16-Sep-13		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	*	*	*	*	79	34	84	43	*	*	*	*	*	*	82	38
01:00	*	*	*	*	56	21	46	42	*	*	*	*	*	*	51	32
02:00	*	*	*	*	24	24	32	19	*	*	*	*	*	*	28	22
03:00	*	*	*	*	21	24	25	29	*	*	*	*	*	*	23	26
04:00	*	*	*	*	29	71	25	65	*	*	*	*	*	*	27	68
05:00	*	*	*	*	56	252	54	261	*	*	*	*	*	*	55	256
06:00	*	*	*	*	193	473	186	453	*	*	*	*	*	*	190	463
07:00	*	*	*	*	359	363	315	362	*	*	*	*	*	*	337	362
08:00	*	*	*	*	294	397	296	443	*	*	*	*	*	*	295	420
09:00	*	*	*	*	324	387	324	408	*	*	*	*	*	*	324	398
10:00	*	*	*	*	346	395	349	380	*	*	*	*	*	*	348	388
11:00	*	*	*	*	377	390	434	387	*	*	*	*	*	*	406	388
12:00 PM	*	*	*	*	420	432	427	434	*	*	*	*	*	*	424	433
01:00	*	*	*	*	467	526	413	528	*	*	*	*	*	*	440	527
02:00	*	*	*	*	533	434	552	426	*	*	*	*	*	*	542	430
03:00	*	*	*	*	588	504	586	464	*	*	*	*	*	*	587	484
04:00	*	*	*	*	653	465	627	499	*	*	*	*	*	*	640	482
05:00	*	*	*	*	611	469	640	609	*	*	*	*	*	*	626	539
06:00	*	*	*	*	560	469	603	515	*	*	*	*	*	*	582	492
07:00	*	*	*	*	544	366	526	358	*	*	*	*	*	*	535	362
08:00	*	*	*	*	440	245	522	226	*	*	*	*	*	*	481	236
09:00	*	*	*	*	298	174	305	177	*	*	*	*	*	*	302	176
10:00	*	*	*	*	237	115	252	146	*	*	*	*	*	*	244	130
11:00	*	*	*	*	157	77	178	109	*	*	*	*	*	*	168	93
Total Day	0	0	0	0	7666	7107	7801	7383	0	0	0	0	0	0	7737	7245
AM Peak	-	-	-	-	11:00	06:00	11:00	06:00	-	-	-	-	-	-	11:00	06:00
Vol.	-	-	-	-	377	473	434	453	-	-	-	-	-	-	406	463
PM Peak	-	-	-	-	16:00	13:00	17:00	17:00	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	-	-	653	526	640	609	-	-	-	-	-	-	640	539

Comb. Total                    0                    0                    14773                    15184                    0                    0                    0                    14982

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

Start Time	18-Sep-13		EB		WB		Combined		19-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			20	102	8	107	28	209			24	110	21	97	45	207
12:15			21	112	11	105	32	217			30	127	10	119	40	246
12:30			19	95	7	104	26	199			17	88	8	112	25	200
12:45			19	111	8	116	27	227			13	102	4	106	17	208
01:00			16	126	6	110	22	236			14	103	18	123	32	226
01:15			16	117	4	108	20	225			11	116	8	115	19	231
01:30			12	111	2	144	14	255			12	89	8	118	20	207
01:45			12	113	9	164	21	277			9	105	8	172	17	277
02:00			8	151	13	89	21	240			6	140	5	103	11	243
02:15			11	130	4	94	15	224			13	132	4	79	17	211
02:30			3	123	3	108	6	231			8	144	3	115	11	259
02:45			2	129	4	143	6	272			5	136	7	129	12	265
03:00			3	129	4	125	7	254			7	126	4	111	11	237
03:15			3	141	8	113	11	254			4	157	4	121	8	278
03:30			11	170	4	133	15	303			9	143	9	128	18	271
03:45			4	148	8	133	12	281			5	160	12	104	17	264
04:00			9	164	11	118	20	282			6	155	13	109	19	264
04:15			4	162	15	109	19	271			3	157	19	125	22	282
04:30			7	165	22	106	29	271			8	162	13	126	21	288
04:45			9	162	23	132	32	294			8	153	20	139	28	292
05:00			9	158	45	98	54	256			8	151	45	157	53	308
05:15			9	168	48	124	57	292			12	180	55	131	67	311
05:30			17	148	70	133	87	281			17	148	80	149	97	297
05:45			21	137	89	114	110	251			17	161	81	172	98	333
06:00			27	143	89	121	116	264			43	165	76	149	119	314
06:15			25	150	117	107	142	257			33	155	104	143	137	298
06:30			60	136	149	119	209	255			52	166	144	96	196	262
06:45			81	131	118	122	199	253			58	117	129	127	187	244
07:00			93	152	91	86	184	238			84	120	75	99	159	219
07:15			101	157	70	118	171	275			114	123	70	97	184	220
07:30			72	125	96	71	168	196			57	130	101	90	158	220
07:45			93	110	106	91	199	201			60	153	116	72	176	225
08:00			77	142	105	64	182	206			75	182	118	77	193	259
08:15			59	117	115	67	174	184			70	140	110	58	180	198
08:30			86	91	91	63	177	154			78	110	109	50	187	160
08:45			72	90	86	51	158	141			73	90	106	41	179	131
09:00			78	74	112	42	190	116			89	76	102	37	191	113
09:15			73	85	85	42	158	127			71	84	88	43	159	127
09:30			83	80	83	45	166	125			83	77	114	54	197	131
09:45			90	59	107	45	197	104			81	68	104	43	185	111
10:00			75	65	98	37	173	102			80	69	102	38	182	107
10:15			86	59	100	30	186	89			102	70	70	35	172	105
10:30			89	57	109	30	198	87			80	65	104	39	184	104
10:45			96	56	88	18	184	74			87	48	104	34	191	82
11:00			84	38	96	35	180	73			114	48	102	34	216	82
11:15			105	43	110	18	215	61			115	38	96	22	211	60
11:30			96	47	97	14	193	61			99	47	103	33	202	80
11:45			92	29	87	10	179	39			106	45	86	20	192	65
Total			2158	5508	2831	4276	4989	9784			2170	5631	2892	4491	5062	10122
Day Total			7666		7107		14773				7801		7383		15184	
% Total			14.6%	37.3%	19.2%	28.9%					14.3%	37.1%	19.0%	29.6%		
Peak	-		10:45	04:00	06:15	01:00	10:30	03:30	-		11:00	05:15	06:00	05:30	11:00	05:15
Vol.	-		381	653	475	526	777	1137	-		434	654	453	613	821	1255
P.H.F.			0.907	0.989	0.797	0.802	0.903	0.938			0.943	0.908	0.786	0.891	0.950	0.942

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	113	127	*	*	*	120
01:00	*	*	77	88	*	*	*	82
02:00	*	*	48	51	*	*	*	50
03:00	*	*	45	54	*	*	*	50
04:00	*	*	100	90	*	*	*	95
05:00	*	*	308	315	*	*	*	312
06:00	*	*	666	639	*	*	*	652
07:00	*	*	722	677	*	*	*	700
08:00	*	*	691	739	*	*	*	715
09:00	*	*	711	732	*	*	*	722
10:00	*	*	741	729	*	*	*	735
11:00	*	*	<b>767</b>	<b>821</b>	*	*	*	<b>794</b>
12:00 PM	*	*	852	861	*	*	*	856
01:00	*	*	993	941	*	*	*	967
02:00	*	*	967	978	*	*	*	972
03:00	*	*	1092	1050	*	*	*	1071
04:00	*	*	<b>1118</b>	1126	*	*	*	1122
05:00	*	*	1080	<b>1249</b>	*	*	*	<b>1164</b>
06:00	*	*	1029	1118	*	*	*	1074
07:00	*	*	910	884	*	*	*	897
08:00	*	*	685	748	*	*	*	716
09:00	*	*	472	482	*	*	*	477
10:00	*	*	352	398	*	*	*	375
11:00	*	*	234	287	*	*	*	260
Total	0	0	14773	15184	0	0	0	14978
Percentage	0.0%	0.0%	98.6%	101.4%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	767	821	-	-	-	794
PM Peak	-	-	16:00	17:00	-	-	-	17:00
Vol.	-	-	1118	1249	-	-	-	1164

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

**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
09/18/1															
3	0	1	0	11	33	26	8	0	0	0	0	0	0	0	79
01:00	0	0	0	3	18	19	13	3	0	0	0	0	0	0	56
02:00	0	0	0	5	6	10	2	0	0	1	0	0	0	0	24
03:00	0	0	3	4	3	6	4	1	0	0	0	0	0	0	21
04:00	0	1	0	1	10	8	7	2	0	0	0	0	0	0	29
05:00	3	0	1	3	17	17	10	4	1	0	0	0	0	0	56
06:00	28	6	27	48	47	30	5	2	0	0	0	0	0	0	193
07:00	29	17	55	93	98	57	8	2	0	0	0	0	0	0	359
08:00	18	2	9	26	89	109	37	4	0	0	0	0	0	0	294
09:00	20	6	8	31	100	114	42	3	0	0	0	0	0	0	324
10:00	24	5	4	50	130	116	15	2	0	0	0	0	0	0	346
11:00	24	8	11	45	157	114	18	0	0	0	0	0	0	0	377
12 PM	31	1	11	72	150	128	23	3	0	1	0	0	0	0	420
13:00	37	8	15	79	218	96	12	2	0	0	0	0	0	0	467
14:00	108	43	78	127	124	50	3	0	0	0	0	0	0	0	533
15:00	82	20	48	148	217	64	8	1	0	0	0	0	0	0	588
16:00	244	108	95	125	65	15	1	0	0	0	0	0	0	0	653
17:00	72	22	69	210	200	36	2	0	0	0	0	0	0	0	611
18:00	44	17	39	188	215	49	8	0	0	0	0	0	0	0	560
19:00	38	19	96	227	139	24	1	0	0	0	0	0	0	0	544
20:00	18	4	28	190	174	24	2	0	0	0	0	0	0	0	440
21:00	4	0	13	65	172	41	3	0	0	0	0	0	0	0	298
22:00	2	0	14	52	109	51	9	0	0	0	0	0	0	0	237
23:00	0	0	5	35	85	28	4	0	0	0	0	0	0	0	157
<b>Total</b>	<b>826</b>	<b>288</b>	<b>629</b>	<b>1838</b>	<b>2576</b>	<b>1232</b>	<b>245</b>	<b>29</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7666</b>

Daily

15th Percentile :	11 MPH
50th Percentile :	29 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	3793
Percent in Pace :	49.5%
Number of Vehicles > 30 MPH :	4085
Percent of Vehicles > 30 MPH :	53.3%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

**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
09/19/1															
3	0	2	1	23	27	23	7	1	0	0	0	0	0	0	84
01:00	0	0	0	7	20	14	4	1	0	0	0	0	0	0	46
02:00	0	0	0	4	15	13	0	0	0	0	0	0	0	0	32
03:00	0	1	2	4	12	3	3	0	0	0	0	0	0	0	25
04:00	1	2	0	1	10	8	3	0	0	0	0	0	0	0	25
05:00	5	3	1	5	24	9	5	2	0	0	0	0	0	0	54
06:00	16	10	30	60	46	17	6	1	0	0	0	0	0	0	186
07:00	60	20	67	61	72	29	6	0	0	0	0	0	0	0	315
08:00	16	7	13	59	126	70	4	1	0	0	0	0	0	0	296
09:00	22	7	12	51	141	79	10	1	1	0	0	0	0	0	324
10:00	16	3	8	74	146	89	12	1	0	0	0	0	0	0	349
11:00	21	4	22	113	198	71	5	0	0	0	0	0	0	0	434
12 PM	26	3	16	102	196	70	12	0	2	0	0	0	0	0	427
13:00	41	3	10	103	166	83	7	0	0	0	0	0	0	0	413
14:00	149	39	67	124	136	29	6	2	0	0	0	0	0	0	552
15:00	103	37	80	167	165	29	4	1	0	0	0	0	0	0	586
16:00	53	14	84	201	226	46	3	0	0	0	0	0	0	0	627
17:00	80	14	84	227	192	40	3	0	0	0	0	0	0	0	640
18:00	62	15	89	221	182	34	0	0	0	0	0	0	0	0	603
19:00	26	9	87	207	164	31	1	1	0	0	0	0	0	0	526
20:00	110	58	90	135	102	26	1	0	0	0	0	0	0	0	522
21:00	3	5	15	76	163	37	5	0	1	0	0	0	0	0	305
22:00	6	1	5	34	134	64	5	2	1	0	0	0	0	0	252
23:00	4	1	5	30	95	32	9	2	0	0	0	0	0	0	178
<b>Total</b>	<b>820</b>	<b>258</b>	<b>788</b>	<b>2089</b>	<b>2758</b>	<b>946</b>	<b>121</b>	<b>16</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7801</b>

Daily

15th Percentile : 12 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 4083  
 Percent in Pace : 52.3%  
 Number of Vehicles > 30 MPH : 3846  
 Percent of Vehicles > 30 MPH : 49.3%

<b>Grand Total</b>	<b>1646</b>	<b>546</b>	<b>1417</b>	<b>3927</b>	<b>5334</b>	<b>2178</b>	<b>366</b>	<b>45</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15467</b>
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Overall

15th Percentile : 11 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 7875  
 Percent in Pace : 50.9%  
 Number of Vehicles > 30 MPH : 7931  
 Percent of Vehicles > 30 MPH : 51.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	
09/18/1																
3	0	0	0	1	15	16	2	0	0	0	0	0	0	0	34	
01:00	0	0	0	1	12	6	1	1	0	0	0	0	0	0	21	
02:00	0	0	0	5	11	6	2	0	0	0	0	0	0	0	24	
03:00	0	0	0	0	8	10	5	1	0	0	0	0	0	0	24	
04:00	1	1	0	8	13	31	12	5	0	0	0	0	0	0	71	
05:00	3	0	4	26	93	101	20	5	0	0	0	0	0	0	252	
06:00	70	17	43	119	164	51	8	1	0	0	0	0	0	0	473	
07:00	61	11	23	56	131	70	10	1	0	0	0	0	0	0	363	
08:00	17	5	5	57	187	104	19	2	1	0	0	0	0	0	397	
09:00	19	2	6	67	190	84	18	1	0	0	0	0	0	0	387	
10:00	16	6	12	98	187	63	11	2	0	0	0	0	0	0	395	
11:00	14	10	4	68	188	99	6	1	0	0	0	0	0	0	390	
12 PM	23	8	12	85	220	74	5	2	0	0	0	0	3	0	432	
13:00	50	13	45	141	210	62	5	0	0	0	0	0	0	0	526	
14:00	35	22	45	155	136	36	4	1	0	0	0	0	0	0	434	
15:00	50	11	34	142	202	56	8	1	0	0	0	0	0	0	504	
16:00	69	31	29	124	179	31	2	0	0	0	0	0	0	0	465	
17:00	34	7	23	147	183	65	10	0	0	0	0	0	0	0	469	
18:00	26	6	24	188	180	41	4	0	0	0	0	0	0	0	469	
19:00	23	11	32	97	160	34	9	0	0	0	0	0	0	0	366	
20:00	12	2	9	64	110	42	5	0	1	0	0	0	0	0	245	
21:00	12	2	3	28	83	42	4	0	0	0	0	0	0	0	174	
22:00	4	0	7	27	47	26	2	2	0	0	0	0	0	0	115	
23:00	1	0	3	6	34	24	6	2	1	0	0	0	0	0	77	
<b>Total</b>	<b>540</b>	<b>165</b>	<b>363</b>	<b>1710</b>	<b>2943</b>	<b>1174</b>	<b>178</b>	<b>28</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>7107</b>

Daily

15th Percentile :	17 MPH
50th Percentile :	30 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH

Mean Speed(Average) :	29 MPH
10 MPH Pace Speed :	28-37 MPH
Number in Pace :	4140
Percent in Pace :	58.3%
Number of Vehicles > 30 MPH :	4329
Percent of Vehicles > 30 MPH :	60.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

**WB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/1																
3	2	0	0	7	14	17	3	0	0	0	0	0	0	0	0	43
01:00	2	0	0	6	13	14	7	0	0	0	0	0	0	0	0	42
02:00	0	0	0	2	9	4	2	1	0	0	0	1	0	0	0	19
03:00	0	1	0	2	13	10	0	3	0	0	0	0	0	0	0	29
04:00	1	0	0	4	16	22	16	6	0	0	0	0	0	0	0	65
05:00	5	1	2	33	105	92	17	5	1	0	0	0	0	0	0	261
06:00	100	4	28	113	138	64	5	1	0	0	0	0	0	0	0	453
07:00	84	9	8	40	143	67	11	0	0	0	0	0	0	0	0	362
08:00	10	4	20	99	187	106	15	2	0	0	0	0	0	0	0	443
09:00	12	3	6	89	179	106	13	0	0	0	0	0	0	0	0	408
10:00	12	5	10	60	203	80	7	2	0	1	0	0	0	0	0	380
11:00	13	7	8	90	189	73	7	0	0	0	0	0	0	0	0	387
12 PM	21	6	5	92	229	69	11	1	0	0	0	0	0	0	0	434
13:00	50	8	22	162	204	69	11	1	0	0	0	0	0	0	1	528
14:00	36	18	43	111	167	46	5	0	0	0	0	0	0	0	0	426
15:00	48	15	20	127	196	53	4	1	0	0	0	0	0	0	0	464
16:00	32	9	11	107	237	96	7	0	0	0	0	0	0	0	0	499
17:00	80	14	43	183	228	57	4	0	0	0	0	0	0	0	0	609
18:00	38	21	58	161	195	36	6	0	0	0	0	0	0	0	0	515
19:00	21	2	14	117	172	28	3	1	0	0	0	0	0	0	0	358
20:00	26	0	13	54	109	21	3	0	0	0	0	0	0	0	0	226
21:00	8	1	6	30	81	40	11	0	0	0	0	0	0	0	0	177
22:00	2	0	7	26	58	41	11	1	0	0	0	0	0	0	0	146
23:00	3	0	1	8	41	50	4	2	0	0	0	0	0	0	0	109
<b>Total</b>	<b>606</b>	<b>128</b>	<b>325</b>	<b>1723</b>	<b>3126</b>	<b>1261</b>	<b>183</b>	<b>27</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>7383</b>

Daily

15th Percentile : 16 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 4341  
 Percent in Pace : 58.8%  
 Number of Vehicles > 30 MPH : 4601  
 Percent of Vehicles > 30 MPH : 62.3%

<b>Grand Total</b>	<b>1146</b>	<b>293</b>	<b>688</b>	<b>3433</b>	<b>6069</b>	<b>2435</b>	<b>361</b>	<b>55</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>14490</b>
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Overall

15th Percentile : 17 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 8481  
 Percent in Pace : 58.5%  
 Number of Vehicles > 30 MPH : 8930  
 Percent of Vehicles > 30 MPH : 61.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

**EB, 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
09/18/1															
3	0	1	0	12	48	42	10	0	0	0	0	0	0	0	113
01:00	0	0	0	4	30	25	14	4	0	0	0	0	0	0	77
02:00	0	0	0	10	17	16	4	0	0	1	0	0	0	0	48
03:00	0	0	3	4	11	16	9	2	0	0	0	0	0	0	45
04:00	1	2	0	9	23	39	19	7	0	0	0	0	0	0	100
05:00	6	0	5	29	110	118	30	9	1	0	0	0	0	0	308
06:00	98	23	70	167	211	81	13	3	0	0	0	0	0	0	666
07:00	90	28	78	149	229	127	18	3	0	0	0	0	0	0	722
08:00	35	7	14	83	276	213	56	6	1	0	0	0	0	0	691
09:00	39	8	14	98	290	198	60	4	0	0	0	0	0	0	711
10:00	40	11	16	148	317	179	26	4	0	0	0	0	0	0	741
11:00	38	18	15	113	345	213	24	1	0	0	0	0	0	0	767
12 PM	54	9	23	157	370	202	28	5	0	1	0	0	3	0	852
13:00	87	21	60	220	428	158	17	2	0	0	0	0	0	0	993
14:00	143	65	123	282	260	86	7	1	0	0	0	0	0	0	967
15:00	132	31	82	290	419	120	16	2	0	0	0	0	0	0	1092
16:00	313	139	124	249	244	46	3	0	0	0	0	0	0	0	1118
17:00	106	29	92	357	383	101	12	0	0	0	0	0	0	0	1080
18:00	70	23	63	376	395	90	12	0	0	0	0	0	0	0	1029
19:00	61	30	128	324	299	58	10	0	0	0	0	0	0	0	910
20:00	30	6	37	254	284	66	7	0	1	0	0	0	0	0	685
21:00	16	2	16	93	255	83	7	0	0	0	0	0	0	0	472
22:00	6	0	21	79	156	77	11	2	0	0	0	0	0	0	352
23:00	1	0	8	41	119	52	10	2	1	0	0	0	0	0	234
<b>Total</b>	<b>1366</b>	<b>453</b>	<b>992</b>	<b>3548</b>	<b>5519</b>	<b>2406</b>	<b>423</b>	<b>57</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>14773</b>

Daily

15th Percentile :	13 MPH
50th Percentile :	30 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	28 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	7906
Percent in Pace :	53.5%
Number of Vehicles > 30 MPH :	8414
Percent of Vehicles > 30 MPH :	57.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash St

**EB, 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
09/19/1															
3	2	2	1	30	41	40	10	1	0	0	0	0	0	0	127
01:00	2	0	0	13	33	28	11	1	0	0	0	0	0	0	88
02:00	0	0	0	6	24	17	2	1	0	0	0	1	0	0	51
03:00	0	2	2	6	25	13	3	3	0	0	0	0	0	0	54
04:00	2	2	0	5	26	30	19	6	0	0	0	0	0	0	90
05:00	10	4	3	38	129	101	22	7	1	0	0	0	0	0	315
06:00	116	14	58	173	184	81	11	2	0	0	0	0	0	0	639
07:00	144	29	75	101	215	96	17	0	0	0	0	0	0	0	677
08:00	26	11	33	158	313	176	19	3	0	0	0	0	0	0	739
09:00	34	10	18	140	320	185	23	1	1	0	0	0	0	0	732
10:00	28	8	18	134	349	169	19	3	0	1	0	0	0	0	729
11:00	34	11	30	203	387	144	12	0	0	0	0	0	0	0	821
12 PM	47	9	21	194	425	139	23	1	2	0	0	0	0	0	861
13:00	91	11	32	265	370	152	18	1	0	0	0	0	0	1	941
14:00	185	57	110	235	303	75	11	2	0	0	0	0	0	0	978
15:00	151	52	100	294	361	82	8	2	0	0	0	0	0	0	1050
16:00	85	23	95	308	463	142	10	0	0	0	0	0	0	0	1126
17:00	160	28	127	410	420	97	7	0	0	0	0	0	0	0	1249
18:00	100	36	147	382	377	70	6	0	0	0	0	0	0	0	1118
19:00	47	11	101	324	336	59	4	2	0	0	0	0	0	0	884
20:00	136	58	103	189	211	47	4	0	0	0	0	0	0	0	748
21:00	11	6	21	106	244	77	16	0	1	0	0	0	0	0	482
22:00	8	1	12	60	192	105	16	3	1	0	0	0	0	0	398
23:00	7	1	6	38	136	82	13	4	0	0	0	0	0	0	287
<b>Total</b>	<b>1426</b>	<b>386</b>	<b>1113</b>	<b>3812</b>	<b>5884</b>	<b>2207</b>	<b>304</b>	<b>43</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>15184</b>

Daily  
 15th Percentile : 13 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 8383  
 Percent in Pace : 55.2%  
 Number of Vehicles > 30 MPH : 8447  
 Percent of Vehicles > 30 MPH : 55.6%

<b>Grand Total</b>	<b>2792</b>	<b>839</b>	<b>2105</b>	<b>7360</b>	<b>11403</b>	<b>4613</b>	<b>727</b>	<b>100</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>29957</b>
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Overall  
 15th Percentile : 13 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 16290  
 Percent in Pace : 54.4%  
 Number of Vehicles > 30 MPH : 16861  
 Percent of Vehicles > 30 MPH : 56.3%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	Truck Total
09/18/1															
3	0	61	14	0	4	0	0	0	0	0	0	0	0	79	4
01:00	1	44	9	0	2	0	0	0	0	0	0	0	0	56	2
02:00	0	13	11	0	0	0	0	0	0	0	0	0	0	24	0
03:00	0	12	7	0	2	0	0	0	0	0	0	0	0	21	2
04:00	0	15	9	0	5	0	0	0	0	0	0	0	0	29	5
05:00	0	36	18	0	2	0	0	0	0	0	0	0	0	56	2
06:00	2	117	52	9	9	2	0	0	0	0	0	0	0	191	20
07:00	2	201	113	7	26	3	0	3	3	0	0	0	0	358	42
08:00	1	178	88	2	23	0	0	0	0	1	0	0	0	293	26
09:00	2	203	87	1	27	3	0	0	0	0	0	0	0	323	31
10:00	1	205	99	6	31	0	0	3	0	0	0	0	0	345	40
11:00	6	233	100	4	29	0	0	3	0	0	0	0	0	375	36
12 PM	2	272	112	1	28	0	0	3	1	0	0	0	0	419	33
13:00	6	294	130	2	29	3	0	2	0	0	0	0	0	466	36
14:00	4	353	130	16	24	1	0	3	0	0	0	0	0	531	44
15:00	8	358	164	6	41	5	0	4	0	0	0	0	0	586	56
16:00	4	470	145	3	20	2	3	4	1	0	0	0	0	652	33
17:00	2	486	97	3	18	1	0	4	0	0	0	0	0	611	26
18:00	5	439	95	1	17	1	0	0	0	0	0	0	0	558	19
19:00	0	435	98	1	7	2	0	0	0	0	0	0	0	543	10
20:00	3	364	64	1	6	1	0	1	0	0	0	0	0	440	9
21:00	1	260	30	2	4	1	0	0	0	0	0	0	0	298	7
22:00	1	207	26	0	3	0	0	0	0	0	0	0	0	237	3
23:00	0	144	12	0	1	0	0	0	0	0	0	0	0	157	1
Total	51	5400	1710	65	358	25	3	30	5	1	0	0	0	7648	487
Percent	0.7%	70.6%	22.4%	0.8%	4.7%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		6.4%
AM Peak Vol.	11:00	11:00	07:00	06:00	10:00	07:00		07:00	07:00	08:00				11:00	07:00
PM Peak Vol.	15:00	17:00	15:00	14:00	15:00	15:00	16:00	15:00	12:00					16:00	15:00
	8	486	164	16	41	5	3	4	1					652	56

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	Truck Total
09/19/1															
3	1	67	14	0	2	0	0	0	0	0	0	0	0	84	2
01:00	0	35	10	0	0	1	0	0	0	0	0	0	0	46	1
02:00	0	23	8	0	1	0	0	0	0	0	0	0	0	32	1
03:00	0	18	6	0	1	0	0	0	0	0	0	0	0	25	1
04:00	0	20	4	0	0	1	0	0	0	0	0	0	0	25	1
05:00	0	43	10	0	1	0	0	0	0	0	0	0	0	54	1
06:00	0	134	38	5	5	1	0	1	0	0	0	0	0	184	12
07:00	5	228	63	11	7	0	0	0	0	0	0	0	0	314	18
08:00	1	232	49	3	8	2	0	0	0	0	0	0	0	295	13
09:00	0	232	74	1	11	3	0	2	1	0	0	0	0	324	18
10:00	0	242	86	3	16	2	0	0	0	0	0	0	0	349	21
11:00	2	320	85	1	21	3	0	1	0	0	0	0	0	433	26
12 PM	3	325	78	2	14	1	0	2	2	0	0	0	0	427	21
13:00	1	320	70	1	17	1	1	1	0	0	0	0	0	412	21
14:00	7	411	99	13	16	1	0	3	0	0	0	0	0	550	33
15:00	4	453	98	3	22	2	0	3	1	0	0	0	0	586	31
16:00	7	478	112	3	22	1	0	2	0	1	0	0	0	626	29
17:00	2	505	107	1	18	4	0	2	0	0	0	0	0	639	25
18:00	4	481	97	1	14	1	0	2	1	1	0	0	0	602	20
19:00	4	431	75	1	14	0	0	0	0	0	0	0	0	525	15
20:00	4	417	86	2	8	1	0	4	0	0	0	0	0	522	15
21:00	4	246	47	1	6	0	0	0	0	0	0	0	0	304	7
22:00	1	218	30	0	3	0	0	0	0	0	0	0	0	252	3
23:00	0	140	35	0	2	0	0	0	0	0	0	0	0	177	2
Total	50	6019	1381	52	229	25	1	23	5	2	0	0	0	7787	337
Percent	0.6%	77.3%	17.7%	0.7%	2.9%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		4.3%
AM Peak	07:00	11:00	10:00	07:00	11:00	09:00		09:00	09:00					11:00	11:00
Vol.	5	320	86	11	21	3		2	1					433	26
PM Peak	14:00	17:00	16:00	14:00	15:00	17:00	13:00	20:00	12:00	16:00				17:00	14:00
Vol.	7	505	112	13	22	4	1	4	2	1				639	33
Grand Total	101	11419	3091	117	587	50	4	53	10	3	0	0	0	15435	824
Percent	0.7%	74.0%	20.0%	0.8%	3.8%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		5.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	Truck Total
09/18/1															
3	0	29	4	1	0	0	0	0	0	0	0	0	0	34	1
01:00	0	15	5	0	1	0	0	0	0	0	0	0	0	21	1
02:00	0	21	2	0	1	0	0	0	0	0	0	0	0	24	1
03:00	0	17	5	0	2	0	0	0	0	0	0	0	0	24	2
04:00	0	52	15	0	3	0	0	0	1	0	0	0	0	71	4
05:00	1	182	54	2	11	1	0	1	0	0	0	0	0	252	15
06:00	2	343	90	15	18	1	1	1	0	0	0	0	0	471	36
07:00	3	280	65	1	13	1	0	0	0	0	0	0	0	363	15
08:00	1	287	79	6	18	1	0	2	0	0	0	0	0	394	27
09:00	1	287	83	1	11	1	0	2	1	0	0	0	0	387	16
10:00	2	302	62	1	22	1	0	4	1	0	0	0	0	395	29
11:00	3	290	78	4	10	3	0	2	0	0	0	0	0	390	19
12 PM	1	321	80	2	21	1	0	4	1	0	0	0	0	431	29
13:00	2	361	110	25	21	1	0	5	1	0	0	0	0	526	53
14:00	9	322	77	5	13	4	0	2	0	0	0	0	0	432	24
15:00	4	374	93	6	15	8	0	1	0	0	0	0	0	501	30
16:00	6	350	87	4	14	0	0	2	0	0	1	0	0	464	21
17:00	4	349	96	2	12	4	0	1	0	0	0	0	0	468	19
18:00	4	358	95	0	9	2	0	1	0	0	0	0	0	469	12
19:00	5	298	52	1	6	1	0	1	1	0	0	0	0	365	10
20:00	1	189	44	0	11	0	0	0	0	0	0	0	0	245	11
21:00	1	144	28	0	1	0	0	0	0	0	0	0	0	174	1
22:00	0	101	11	0	2	1	0	0	0	0	0	0	0	115	3
23:00	0	65	10	1	1	0	0	0	0	0	0	0	0	77	2
Total	50	5337	1325	77	236	31	1	29	6	0	1	0	0	7093	381
Percent	0.7%	75.2%	18.7%	1.1%	3.3%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.4%
AM Peak Vol.	3	343	90	15	22	3	1	4	1					471	36
PM Peak Vol.	9	374	110	25	21	8		5	1		1			526	53



**Old Colony Planning Council**  
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**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	Truck Total
09/19/1															
3	0	36	5	0	2	0	0	0	0	0	0	0	0	43	2
01:00	1	31	7	0	2	0	0	0	0	0	0	0	0	41	2
02:00	0	15	3	0	1	0	0	0	0	0	0	0	0	19	1
03:00	0	24	4	0	1	0	0	0	0	0	0	0	0	29	1
04:00	0	50	13	0	1	0	0	0	1	0	0	0	0	65	2
05:00	1	192	52	2	12	0	0	1	0	0	0	0	0	260	15
06:00	2	325	91	13	17	0	0	4	0	0	0	0	0	452	34
07:00	2	271	68	1	12	2	0	4	0	0	0	0	0	360	19
08:00	2	343	78	3	11	4	0	2	0	0	0	0	0	443	20
09:00	1	294	93	1	13	2	0	3	1	0	0	0	0	408	20
10:00	2	270	82	3	15	2	1	3	1	0	0	0	0	379	25
11:00	2	305	57	5	13	4	0	0	1	0	0	0	0	387	23
12 PM	2	328	85	1	12	1	0	3	1	0	0	0	0	433	18
13:00	3	356	112	34	16	4	0	1	0	0	0	0	0	526	55
14:00	6	324	72	2	11	5	1	3	1	0	0	0	0	425	23
15:00	6	358	81	1	14	0	0	2	1	0	0	0	0	463	18
16:00	7	374	99	1	12	4	0	0	1	0	0	0	0	498	18
17:00	3	468	113	0	16	8	0	0	1	0	0	0	0	609	25
18:00	6	403	89	0	14	2	0	1	0	0	0	0	0	515	17
19:00	5	275	66	0	6	3	0	2	0	0	0	0	0	357	11
20:00	2	179	38	0	4	2	0	0	0	0	0	0	0	225	6
21:00	2	146	25	0	3	0	0	1	0	0	0	0	0	177	4
22:00	0	129	15	0	1	1	0	0	0	0	0	0	0	146	2
23:00	0	93	15	1	0	0	0	0	0	0	0	0	0	109	1
<b>Total</b>	55	5589	1363	68	209	44	2	30	9	0	0	0	0	7369	362
<b>Percent</b>	0.7%	75.8%	18.5%	0.9%	2.8%	0.6%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		4.9%
<b>AM Peak Vol.</b>	2	343	93	13	17	4	1	4	1					452	34
<b>PM Peak Vol.</b>	7	468	113	34	16	8	1	3	1					609	55
<b>Grand Total</b>	105	10926	2688	145	445	75	3	59	15	0	1	0	0	14462	743
<b>Percent</b>	0.7%	75.5%	18.6%	1.0%	3.1%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, west of Ash 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	Truck Total
09/18/1															
3	0	90	18	1	4	0	0	0	0	0	0	0	0	113	5
01:00	1	59	14	0	3	0	0	0	0	0	0	0	0	77	3
02:00	0	34	13	0	1	0	0	0	0	0	0	0	0	48	1
03:00	0	29	12	0	4	0	0	0	0	0	0	0	0	45	4
04:00	0	67	24	0	8	0	0	0	1	0	0	0	0	100	9
05:00	1	218	72	2	13	1	0	1	0	0	0	0	0	308	17
06:00	4	460	142	24	27	3	1	1	0	0	0	0	0	662	56
07:00	5	481	178	8	39	4	0	3	3	0	0	0	0	721	57
08:00	2	465	167	8	41	1	0	2	0	1	0	0	0	687	53
09:00	3	490	170	2	38	4	0	2	1	0	0	0	0	710	47
10:00	3	507	161	7	53	1	0	7	1	0	0	0	0	740	69
11:00	9	523	178	8	39	3	0	5	0	0	0	0	0	765	55
12 PM	3	593	192	3	49	1	0	7	2	0	0	0	0	850	62
13:00	8	655	240	27	50	4	0	7	1	0	0	0	0	992	89
14:00	13	675	207	21	37	5	0	5	0	0	0	0	0	963	68
15:00	12	732	257	12	56	13	0	5	0	0	0	0	0	1087	86
16:00	10	820	232	7	34	2	3	6	1	0	1	0	0	1116	54
17:00	6	835	193	5	30	5	0	5	0	0	0	0	0	1079	45
18:00	9	797	190	1	26	3	0	1	0	0	0	0	0	1027	31
19:00	5	733	150	2	13	3	0	1	1	0	0	0	0	908	20
20:00	4	553	108	1	17	1	0	1	0	0	0	0	0	685	20
21:00	2	404	58	2	5	1	0	0	0	0	0	0	0	472	8
22:00	1	308	37	0	5	1	0	0	0	0	0	0	0	352	6
23:00	0	209	22	1	2	0	0	0	0	0	0	0	0	234	3
<b>Total</b>	101	10737	3035	142	594	56	4	59	11	1	1	0	0	14741	868
<b>Percent</b>	0.7%	72.8%	20.6%	1.0%	4.0%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.9%
<b>AM Peak</b>	11:00	11:00	07:00	06:00	10:00	07:00	06:00	10:00	07:00	08:00				11:00	10:00
<b>Vol.</b>	9	523	178	24	53	4	1	7	3	1				765	69
<b>PM Peak</b>	14:00	17:00	15:00	13:00	15:00	15:00	16:00	12:00	12:00		16:00			16:00	13:00
<b>Vol.</b>	13	835	257	27	56	13	3	7	2		1			1116	89

**Old Colony Planning Council**  
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 Recorder #: 22926  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
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 Forest Ave, west of Ash 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	Truck Total
09/19/1															
3	1	103	19	0	4	0	0	0	0	0	0	0	0	127	4
01:00	1	66	17	0	2	1	0	0	0	0	0	0	0	87	3
02:00	0	38	11	0	2	0	0	0	0	0	0	0	0	51	2
03:00	0	42	10	0	2	0	0	0	0	0	0	0	0	54	2
04:00	0	70	17	0	1	1	0	0	1	0	0	0	0	90	3
05:00	1	235	62	2	13	0	0	1	0	0	0	0	0	314	16
06:00	2	459	129	18	22	1	0	5	0	0	0	0	0	636	46
07:00	7	499	131	12	19	2	0	4	0	0	0	0	0	674	37
08:00	3	575	127	6	19	6	0	2	0	0	0	0	0	738	33
09:00	1	526	167	2	24	5	0	5	2	0	0	0	0	732	38
10:00	2	512	168	6	31	4	1	3	1	0	0	0	0	728	46
11:00	4	625	142	6	34	7	0	1	1	0	0	0	0	820	49
12 PM	5	653	163	3	26	2	0	5	3	0	0	0	0	860	39
13:00	4	676	182	35	33	5	1	2	0	0	0	0	0	938	76
14:00	13	735	171	15	27	6	1	6	1	0	0	0	0	975	56
15:00	10	811	179	4	36	2	0	5	2	0	0	0	0	1049	49
16:00	14	852	211	4	34	5	0	2	1	1	0	0	0	1124	47
17:00	5	973	220	1	34	12	0	2	1	0	0	0	0	1248	50
18:00	10	884	186	1	28	3	0	3	1	1	0	0	0	1117	37
19:00	9	706	141	1	20	3	0	2	0	0	0	0	0	882	26
20:00	6	596	124	2	12	3	0	4	0	0	0	0	0	747	21
21:00	6	392	72	1	9	0	0	1	0	0	0	0	0	481	11
22:00	1	347	45	0	4	1	0	0	0	0	0	0	0	398	5
23:00	0	233	50	1	2	0	0	0	0	0	0	0	0	286	3
<b>Total</b>	<b>105</b>	<b>11608</b>	<b>2744</b>	<b>120</b>	<b>438</b>	<b>69</b>	<b>3</b>	<b>53</b>	<b>14</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15156</b>	<b>699</b>
<b>Percent</b>	<b>0.7%</b>	<b>76.6%</b>	<b>18.1%</b>	<b>0.8%</b>	<b>2.9%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.6%</b>
<b>AM Peak</b>	07:00	11:00	10:00	06:00	11:00	11:00	10:00	06:00	09:00					11:00	11:00
<b>Vol.</b>	7	625	168	18	34	7	1	5	2					820	49
<b>PM Peak</b>	16:00	17:00	17:00	13:00	15:00	17:00	13:00	14:00	12:00	16:00				17:00	13:00
<b>Vol.</b>	14	973	220	35	36	12	1	6	3	1				1248	76
<b>Grand Total</b>	206	22345	5779	262	1032	125	7	112	25	3	1	0	0	29897	1567
<b>Percent</b>	0.7%	74.7%	19.3%	0.9%	3.5%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		5.2%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

Start Time	16-Sep-13		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	*	*	*	*	99	38	101	48	*	*	*	*	*	*	100	43
01:00	*	*	*	*	62	24	49	42	*	*	*	*	*	*	56	33
02:00	*	*	*	*	28	27	38	23	*	*	*	*	*	*	33	25
03:00	*	*	*	*	20	30	26	33	*	*	*	*	*	*	23	32
04:00	*	*	*	*	31	87	26	78	*	*	*	*	*	*	28	82
05:00	*	*	*	*	66	303	69	303	*	*	*	*	*	*	68	303
06:00	*	*	*	*	248	392	241	372	*	*	*	*	*	*	244	382
07:00	*	*	*	*	352	476	294	435	*	*	*	*	*	*	323	456
08:00	*	*	*	*	347	498	357	545	*	*	*	*	*	*	352	522
09:00	*	*	*	*	378	473	394	473	*	*	*	*	*	*	386	486
10:00	*	*	*	*	429	482	424	463	*	*	*	*	*	*	426	472
11:00	*	*	*	*	474	483	549	483	*	*	*	*	*	*	512	483
12:00 PM	*	*	*	*	521	516	532	517	*	*	*	*	*	*	526	516
01:00	*	*	*	*	605	517	530	522	*	*	*	*	*	*	568	520
02:00	*	*	*	*	555	569	561	520	*	*	*	*	*	*	558	544
03:00	*	*	*	*	733	607	730	566	*	*	*	*	*	*	732	586
04:00	*	*	*	*	883	546	847	580	*	*	*	*	*	*	865	563
05:00	*	*	*	*	815	577	876	566	*	*	*	*	*	*	846	572
06:00	*	*	*	*	716	541	794	535	*	*	*	*	*	*	755	538
07:00	*	*	*	*	671	439	661	484	*	*	*	*	*	*	666	462
08:00	*	*	*	*	520	309	558	377	*	*	*	*	*	*	539	343
09:00	*	*	*	*	377	219	396	207	*	*	*	*	*	*	386	213
10:00	*	*	*	*	276	128	289	178	*	*	*	*	*	*	282	153
11:00	*	*	*	*	180	92	208	122	*	*	*	*	*	*	194	107
Total Day	0	0	0	0	9386	8373	9550	8499	0	0	0	0	0	0	9468	8436
AM Peak	-	-	-	-	11:00	08:00	11:00	08:00	-	-	-	-	-	-	11:00	08:00
Vol.	-	-	-	-	474	498	549	545	-	-	-	-	-	-	512	522
PM Peak	-	-	-	-	16:00	15:00	17:00	16:00	-	-	-	-	-	-	16:00	15:00
Vol.	-	-	-	-	883	607	876	580	-	-	-	-	-	-	865	586

Comb. Total	0	0	17759	18049	0	0	0	17904
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

Start Time	18-Sep-13		EB		WB		Combined		19-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			26	122	9	137	35	259			25	133	22	110	47	243
12:15			26	127	14	120	40	247			37	150	12	140	49	290
12:30			23	141	7	126	30	267			22	121	9	133	31	254
12:45			24	131	8	133	32	264			17	128	5	134	22	262
01:00			17	159	6	134	23	293			14	128	15	139	29	267
01:15			16	150	5	117	21	267			12	138	9	131	21	269
01:30			15	150	3	131	18	281			13	130	8	117	21	247
01:45			14	146	10	135	24	281			10	134	10	135	20	269
02:00			11	108	14	135	25	243			7	93	6	145	13	238
02:15			12	137	5	120	17	257			15	128	6	95	21	223
02:30			3	143	4	154	7	297			9	162	4	134	13	296
02:45			2	167	4	160	6	327			7	178	7	146	14	324
03:00			3	161	4	167	7	328			7	145	5	138	12	283
03:15			3	178	9	137	12	315			5	203	5	138	10	341
03:30			10	209	6	149	16	358			9	162	10	158	19	320
03:45			4	185	11	154	15	339			5	220	13	132	18	352
04:00			10	213	14	134	24	347			6	216	16	137	22	353
04:15			5	211	23	124	28	335			4	218	18	134	22	352
04:30			7	230	21	150	28	380			8	218	23	152	31	370
04:45			9	229	29	138	38	367			8	195	21	157	29	352
05:00			8	215	48	139	56	354			12	204	49	165	61	369
05:15			12	228	60	138	72	366			14	227	71	143	85	370
05:30			20	184	88	179	108	363			24	212	90	143	114	355
05:45			26	188	107	121	133	309			19	233	93	115	112	348
06:00			33	170	107	143	140	313			51	199	86	118	137	317
06:15			31	187	103	131	134	318			37	214	112	142	149	356
06:30			76	177	95	136	171	313			58	206	93	125	151	331
06:45			108	182	87	131	195	313			95	175	81	150	176	325
07:00			102	176	101	127	203	303			100	161	66	128	166	289
07:15			64	176	118	121	182	297			64	188	124	118	188	306
07:30			80	163	124	98	204	261			59	154	103	115	162	269
07:45			106	156	133	93	239	249			71	158	142	123	213	281
08:00			91	155	126	92	217	247			83	166	146	145	229	311
08:15			70	141	128	87	198	228			94	149	139	104	233	253
08:30			97	110	123	67	220	177			88	132	127	77	215	209
08:45			89	114	121	63	210	177			92	111	133	51	225	162
09:00			87	102	132	49	219	151			111	108	133	51	244	159
09:15			106	111	106	55	212	166			81	107	105	48	186	155
09:30			89	96	98	63	187	159			105	85	133	61	238	146
09:45			96	68	137	52	233	120			97	96	129	47	226	143
10:00			93	79	120	41	213	120			93	82	124	45	217	127
10:15			104	69	126	31	230	100			113	75	96	53	209	128
10:30			105	71	121	34	226	105			98	79	117	42	215	121
10:45			127	57	115	22	242	79			120	53	126	38	246	91
11:00			101	43	122	38	223	81			148	58	130	40	278	98
11:15			127	49	123	18	250	67			137	47	118	24	255	71
11:30			129	51	135	19	264	70			124	53	130	36	254	89
11:45			117	37	103	17	220	54			140	50	105	22	245	72
Total			2534	6852	3313	5060	5847	11912			2568	6982	3325	5174	5893	12156
Day Total			9386		8373		17759				9550		8499		18049	
% Total			14.3%	38.6%	18.7%	28.5%					14.2%	38.7%	18.4%	28.7%		
Peak	-		10:45	04:30	07:30	02:30	10:45	04:30	-		11:00	05:00	07:45	04:30	10:45	04:30
Vol.	-		484	902	511	618	979	1467	-		549	876	554	617	1033	1461
P.H.F.			0.938	0.980	0.961	0.925	0.927	0.965			0.927	0.940	0.949	0.935	0.929	0.987

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	137	149	*	*	*	143
01:00	*	*	86	91	*	*	*	88
02:00	*	*	55	61	*	*	*	58
03:00	*	*	50	59	*	*	*	54
04:00	*	*	118	104	*	*	*	111
05:00	*	*	369	372	*	*	*	370
06:00	*	*	640	613	*	*	*	626
07:00	*	*	828	729	*	*	*	778
08:00	*	*	845	902	*	*	*	874
09:00	*	*	851	894	*	*	*	872
10:00	*	*	911	887	*	*	*	899
11:00	*	*	<b>957</b>	<b>1032</b>	*	*	*	<b>994</b>
12:00 PM	*	*	1037	1049	*	*	*	1043
01:00	*	*	1122	1052	*	*	*	1087
02:00	*	*	1124	1081	*	*	*	1102
03:00	*	*	1340	1296	*	*	*	1318
04:00	*	*	<b>1429</b>	1427	*	*	*	<b>1428</b>
05:00	*	*	1392	<b>1442</b>	*	*	*	1417
06:00	*	*	1257	1329	*	*	*	1293
07:00	*	*	1110	1145	*	*	*	1128
08:00	*	*	829	935	*	*	*	882
09:00	*	*	596	603	*	*	*	600
10:00	*	*	404	467	*	*	*	436
11:00	*	*	272	330	*	*	*	301
Total	0	0	17759	18049	0	0	0	17902
Percentage	0.0%	0.0%	99.2%	100.8%	0.0%	0.0%	0.0%	
AM Peak	-	-	11:00	11:00	-	-	-	11:00
Vol.	-	-	957	1032	-	-	-	994
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	1429	1442	-	-	-	1428

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

**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
09/18/1															
3	1	0	0	11	47	29	9	2	0	0	0	0	0	0	99
01:00	0	0	0	4	16	24	15	1	0	1	1	0	0	0	62
02:00	0	0	0	4	4	16	3	0	1	0	0	0	0	0	28
03:00	0	0	0	2	7	3	7	1	0	0	0	0	0	0	20
04:00	3	0	0	4	6	14	4	0	0	0	0	0	0	0	31
05:00	4	0	1	2	20	19	14	5	1	0	0	0	0	0	66
06:00	62	26	52	40	34	26	5	3	0	0	0	0	0	0	248
07:00	65	37	21	42	84	80	21	1	1	0	0	0	0	0	352
08:00	25	4	9	53	114	112	29	1	0	0	0	0	0	0	347
09:00	23	11	13	70	154	83	22	2	0	0	0	0	0	0	378
10:00	29	21	23	99	160	89	8	0	0	0	0	0	0	0	429
11:00	27	16	23	72	223	101	11	1	0	0	0	0	0	0	474
12 PM	30	11	21	118	215	105	20	0	1	0	0	0	0	0	521
13:00	50	21	58	175	226	68	6	1	0	0	0	0	0	0	605
14:00	117	48	65	124	143	51	6	1	0	0	0	0	0	0	555
15:00	51	28	55	200	295	95	8	1	0	0	0	0	0	0	733
16:00	107	64	118	287	236	65	6	0	0	0	0	0	0	0	883
17:00	55	17	25	207	365	128	17	1	0	0	0	0	0	0	815
18:00	48	6	44	194	290	116	17	1	0	0	0	0	0	0	716
19:00	41	1	39	194	281	99	13	3	0	0	0	0	0	0	671
20:00	12	4	14	127	253	95	15	0	0	0	0	0	0	0	520
21:00	13	3	4	52	167	114	21	3	0	0	0	0	0	0	377
22:00	4	0	2	26	131	95	14	4	0	0	0	0	0	0	276
23:00	2	0	1	17	85	60	11	4	0	0	0	0	0	0	180
<b>Total</b>	<b>769</b>	<b>318</b>	<b>588</b>	<b>2124</b>	<b>3556</b>	<b>1687</b>	<b>302</b>	<b>36</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9386</b>

Daily

15th Percentile :	15 MPH
50th Percentile :	30 MPH
85th Percentile :	36 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	28 MPH
10 MPH Pace Speed :	28-37 MPH
Number in Pace :	5086
Percent in Pace :	54.2%
Number of Vehicles > 30 MPH :	5587
Percent of Vehicles > 30 MPH :	59.5%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

**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
09/19/1															
3	1	0	1	6	43	35	13	1	1	0	0	0	0	0	101
01:00	0	0	0	3	17	21	6	2	0	0	0	0	0	0	49
02:00	1	0	0	2	10	17	8	0	0	0	0	0	0	0	38
03:00	0	0	0	3	8	10	3	1	1	0	0	0	0	0	26
04:00	0	0	0	0	9	9	7	1	0	0	0	0	0	0	26
05:00	4	1	0	1	29	17	12	4	1	0	0	0	0	0	69
06:00	56	27	30	50	32	34	9	2	1	0	0	0	0	0	241
07:00	81	34	14	34	49	66	15	1	0	0	0	0	0	0	294
08:00	29	3	8	51	136	103	23	3	1	0	0	0	0	0	357
09:00	22	13	18	92	150	75	23	1	0	0	0	0	0	0	394
10:00	33	13	26	81	149	103	17	2	0	0	0	0	0	0	424
11:00	36	11	28	114	224	120	16	0	0	0	0	0	0	0	549
12 PM	48	8	27	116	202	113	14	4	0	0	0	0	0	0	532
13:00	45	15	44	118	186	102	20	0	0	0	0	0	0	0	530
14:00	137	36	48	100	156	70	11	3	0	0	0	0	0	0	561
15:00	72	18	58	202	277	97	5	1	0	0	0	0	0	0	730
16:00	87	18	63	227	317	112	19	3	1	0	0	0	0	0	847
17:00	95	49	111	261	264	84	11	1	0	0	0	0	0	0	876
18:00	94	24	64	223	291	87	8	2	0	0	1	0	0	0	794
19:00	43	5	55	206	259	83	9	1	0	0	0	0	0	0	661
20:00	78	32	48	123	196	64	16	1	0	0	0	0	0	0	558
21:00	14	0	4	67	181	111	15	4	0	0	0	0	0	0	396
22:00	7	0	2	28	133	96	20	3	0	0	0	0	0	0	289
23:00	3	0	2	15	92	69	25	1	1	0	0	0	0	0	208
<b>Total</b>	<b>986</b>	<b>307</b>	<b>651</b>	<b>2123</b>	<b>3410</b>	<b>1698</b>	<b>325</b>	<b>42</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9550</b>

Daily

15th Percentile : 12 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 4881  
 Percent in Pace : 51.1%  
 Number of Vehicles > 30 MPH : 5483  
 Percent of Vehicles > 30 MPH : 57.4%

<b>Grand Total</b>	<b>1755</b>	<b>625</b>	<b>1239</b>	<b>4247</b>	<b>6966</b>	<b>3385</b>	<b>627</b>	<b>78</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18936</b>
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Overall

15th Percentile : 13 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 9965  
 Percent in Pace : 52.6%  
 Number of Vehicles > 30 MPH : 11070  
 Percent of Vehicles > 30 MPH : 58.5%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
09/18/1															
3	0	0	0	2	18	12	3	3	0	0	0	0	0	0	38
01:00	0	0	0	4	6	10	3	1	0	0	0	0	0	0	24
02:00	0	0	0	0	14	12	1	0	0	0	0	0	0	0	27
03:00	2	0	0	0	2	13	12	0	1	0	0	0	0	0	30
04:00	2	0	0	7	16	27	27	7	1	0	0	0	0	0	87
05:00	6	1	2	21	98	123	48	3	1	0	0	0	0	0	303
06:00	15	2	17	109	131	97	19	2	0	0	0	0	0	0	392
07:00	29	2	32	98	179	107	25	4	0	0	0	0	0	0	476
08:00	22	9	15	69	181	157	42	2	0	1	0	0	0	0	498
09:00	31	15	24	92	168	118	24	1	0	0	0	0	0	0	473
10:00	28	8	25	83	237	94	7	0	0	0	0	0	0	0	482
11:00	26	6	27	77	211	115	18	3	0	0	0	0	0	0	483
12 PM	36	16	25	87	238	99	10	1	0	0	0	2	0	2	516
13:00	41	18	50	132	191	73	11	1	0	0	0	0	0	0	517
14:00	64	34	75	138	194	60	3	1	0	0	0	0	0	0	569
15:00	59	12	20	137	246	114	18	1	0	0	0	0	0	0	607
16:00	70	23	28	116	206	94	8	1	0	0	0	0	0	0	546
17:00	61	4	17	92	225	148	27	2	0	1	0	0	0	0	577
18:00	51	3	10	107	250	108	10	2	0	0	0	0	0	0	541
19:00	32	3	18	100	198	76	12	0	0	0	0	0	0	0	439
20:00	17	0	8	61	146	67	7	3	0	0	0	0	0	0	309
21:00	14	5	6	26	85	69	14	0	0	0	0	0	0	0	219
22:00	3	0	3	15	53	42	11	1	0	0	0	0	0	0	128
23:00	2	0	0	3	33	42	9	3	0	0	0	0	0	0	92
<b>Total</b>	<b>611</b>	<b>161</b>	<b>402</b>	<b>1576</b>	<b>3326</b>	<b>1877</b>	<b>369</b>	<b>42</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>8373</b>

Daily

15th Percentile :	19 MPH
50th Percentile :	31 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH

Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	29-38 MPH
Number in Pace :	4759
Percent in Pace :	56.9%
Number of Vehicles > 30 MPH :	5623
Percent of Vehicles > 30 MPH :	67.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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
09/19/1															
3	2	0	0	3	18	18	7	0	0	0	0	0	0	0	48
01:00	0	0	0	5	12	14	10	1	0	0	0	0	0	0	42
02:00	0	0	0	0	5	10	6	1	0	0	0	1	0	0	23
03:00	0	1	0	1	8	15	6	1	1	0	0	0	0	0	33
04:00	0	0	0	4	17	24	25	6	1	1	0	0	0	0	78
05:00	4	1	3	19	94	115	55	10	2	0	0	0	0	0	303
06:00	23	7	14	86	134	87	17	4	0	0	0	0	0	0	372
07:00	14	2	37	96	136	121	23	5	1	0	0	0	0	0	435
08:00	24	12	13	72	236	159	26	3	0	0	0	0	0	0	545
09:00	16	13	39	78	208	111	28	7	0	0	0	0	0	0	500
10:00	40	12	23	77	193	102	13	3	0	0	0	0	0	0	463
11:00	31	13	22	85	211	110	10	1	0	0	0	0	0	0	483
12 PM	40	10	20	76	258	98	13	2	0	0	0	0	0	0	517
13:00	45	13	45	141	173	87	16	2	0	0	0	0	0	0	522
14:00	68	20	85	94	166	78	8	1	0	0	0	0	0	0	520
15:00	72	12	29	112	234	96	8	2	1	0	0	0	0	0	566
16:00	60	11	28	90	239	129	21	1	1	0	0	0	0	0	580
17:00	67	13	23	122	229	104	7	1	0	0	0	0	0	0	566
18:00	73	3	16	135	229	71	8	0	0	0	0	0	0	0	535
19:00	39	5	21	157	206	47	6	3	0	0	0	0	0	0	484
20:00	33	3	38	122	124	49	7	1	0	0	0	0	0	0	377
21:00	5	0	2	17	99	66	17	1	0	0	0	0	0	0	207
22:00	3	0	0	24	67	65	17	2	0	0	0	0	0	0	178
23:00	5	0	0	6	43	51	15	2	0	0	0	0	0	0	122
<b>Total</b>	<b>664</b>	<b>151</b>	<b>458</b>	<b>1622</b>	<b>3339</b>	<b>1827</b>	<b>369</b>	<b>60</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>8499</b>

Daily  
 15th Percentile : 18 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 29-38 MPH  
 Number in Pace : 4745  
 Percent in Pace : 55.8%  
 Number of Vehicles > 30 MPH : 5604  
 Percent of Vehicles > 30 MPH : 65.9%

<b>Grand Total</b>	<b>1275</b>	<b>312</b>	<b>860</b>	<b>3198</b>	<b>6665</b>	<b>3704</b>	<b>738</b>	<b>102</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>16872</b>
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Overall  
 15th Percentile : 18 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 29-38 MPH  
 Number in Pace : 9504  
 Percent in Pace : 56.3%  
 Number of Vehicles > 30 MPH : 11227  
 Percent of Vehicles > 30 MPH : 66.6%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

**EB, 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
09/18/1															
3	1	0	0	13	65	41	12	5	0	0	0	0	0	0	137
01:00	0	0	0	8	22	34	18	2	0	1	1	0	0	0	86
02:00	0	0	0	4	18	28	4	0	1	0	0	0	0	0	55
03:00	2	0	0	2	9	16	19	1	1	0	0	0	0	0	50
04:00	5	0	0	11	22	41	31	7	1	0	0	0	0	0	118
05:00	10	1	3	23	118	142	62	8	2	0	0	0	0	0	369
06:00	77	28	69	149	165	123	24	5	0	0	0	0	0	0	640
07:00	94	39	53	140	263	187	46	5	1	0	0	0	0	0	828
08:00	47	13	24	122	295	269	71	3	0	1	0	0	0	0	845
09:00	54	26	37	162	322	201	46	3	0	0	0	0	0	0	851
10:00	57	29	48	182	397	183	15	0	0	0	0	0	0	0	911
11:00	53	22	50	149	434	216	29	4	0	0	0	0	0	0	957
12 PM	66	27	46	205	453	204	30	1	1	0	0	2	0	2	1037
13:00	91	39	108	307	417	141	17	2	0	0	0	0	0	0	1122
14:00	181	82	140	262	337	111	9	2	0	0	0	0	0	0	1124
15:00	110	40	75	337	541	209	26	2	0	0	0	0	0	0	1340
16:00	177	87	146	403	442	159	14	1	0	0	0	0	0	0	1429
17:00	116	21	42	299	590	276	44	3	0	1	0	0	0	0	1392
18:00	99	9	54	301	540	224	27	3	0	0	0	0	0	0	1257
19:00	73	4	57	294	479	175	25	3	0	0	0	0	0	0	1110
20:00	29	4	22	188	399	162	22	3	0	0	0	0	0	0	829
21:00	27	8	10	78	252	183	35	3	0	0	0	0	0	0	596
22:00	7	0	5	41	184	137	25	5	0	0	0	0	0	0	404
23:00	4	0	1	20	118	102	20	7	0	0	0	0	0	0	272
<b>Total</b>	<b>1380</b>	<b>479</b>	<b>990</b>	<b>3700</b>	<b>6882</b>	<b>3564</b>	<b>671</b>	<b>78</b>	<b>7</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>17759</b>

Daily

15th Percentile :	16 MPH
50th Percentile :	31 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH

Mean Speed(Average) :	29 MPH
10 MPH Pace Speed :	28-37 MPH
Number in Pace :	9787
Percent in Pace :	55.1%
Number of Vehicles > 30 MPH :	11210
Percent of Vehicles > 30 MPH :	63.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West St

**EB, 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
09/19/1															
3	3	0	1	9	61	53	20	1	1	0	0	0	0	0	149
01:00	0	0	0	8	29	35	16	3	0	0	0	0	0	0	91
02:00	1	0	0	2	15	27	14	1	0	0	0	1	0	0	61
03:00	0	1	0	4	16	25	9	2	2	0	0	0	0	0	59
04:00	0	0	0	4	26	33	32	7	1	1	0	0	0	0	104
05:00	8	2	3	20	123	132	67	14	3	0	0	0	0	0	372
06:00	79	34	44	136	166	121	26	6	1	0	0	0	0	0	613
07:00	95	36	51	130	185	187	38	6	1	0	0	0	0	0	729
08:00	53	15	21	123	372	262	49	6	1	0	0	0	0	0	902
09:00	38	26	57	170	358	186	51	8	0	0	0	0	0	0	894
10:00	73	25	49	158	342	205	30	5	0	0	0	0	0	0	887
11:00	67	24	50	199	435	230	26	1	0	0	0	0	0	0	1032
12 PM	88	18	47	192	460	211	27	6	0	0	0	0	0	0	1049
13:00	90	28	89	259	359	189	36	2	0	0	0	0	0	0	1052
14:00	205	56	133	194	322	148	19	4	0	0	0	0	0	0	1081
15:00	144	30	87	314	511	193	13	3	1	0	0	0	0	0	1296
16:00	147	29	91	317	556	241	40	4	2	0	0	0	0	0	1427
17:00	162	62	134	383	493	188	18	2	0	0	0	0	0	0	1442
18:00	167	27	80	358	520	158	16	2	0	0	1	0	0	0	1329
19:00	82	10	76	363	465	130	15	4	0	0	0	0	0	0	1145
20:00	111	35	86	245	320	113	23	2	0	0	0	0	0	0	935
21:00	19	0	6	84	280	177	32	5	0	0	0	0	0	0	603
22:00	10	0	2	52	200	161	37	5	0	0	0	0	0	0	467
23:00	8	0	2	21	135	120	40	3	1	0	0	0	0	0	330
<b>Total</b>	<b>1650</b>	<b>458</b>	<b>1109</b>	<b>3745</b>	<b>6749</b>	<b>3525</b>	<b>694</b>	<b>102</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>18049</b>

Daily

15th Percentile : 13 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 36 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 9584  
 Percent in Pace : 53.1%  
 Number of Vehicles > 30 MPH : 11087  
 Percent of Vehicles > 30 MPH : 61.4%

<b>Grand Total</b>	<b>3030</b>	<b>937</b>	<b>2099</b>	<b>7445</b>	<b>13631</b>	<b>7089</b>	<b>1365</b>	<b>180</b>	<b>21</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>35808</b>
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Overall

15th Percentile : 15 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 19369  
 Percent in Pace : 54.1%  
 Number of Vehicles > 30 MPH : 22297  
 Percent of Vehicles > 30 MPH : 62.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/18/1															
3	0	85	11	0	3	0	0	0	0	0	0	0	0	99	3
01:00	1	54	7	0	0	0	0	0	0	0	0	0	0	62	0
02:00	0	20	8	0	0	0	0	0	0	0	0	0	0	28	0
03:00	0	17	1	0	2	0	0	0	0	0	0	0	0	20	2
04:00	0	23	5	0	3	0	0	0	0	0	0	0	0	31	3
05:00	0	51	14	0	1	0	0	0	0	0	0	0	0	66	1
06:00	1	177	46	16	6	1	0	1	0	0	0	0	0	248	24
07:00	2	259	68	4	13	2	0	1	3	0	0	0	0	352	23
08:00	1	256	66	3	14	4	0	0	0	1	0	0	0	345	22
09:00	2	270	84	2	15	1	0	1	1	0	0	0	0	376	20
10:00	1	318	84	4	18	1	0	0	0	0	0	0	0	426	23
11:00	5	349	90	4	21	1	0	3	0	0	0	0	0	473	29
12 PM	2	388	102	1	23	2	0	1	1	0	0	0	0	520	28
13:00	3	476	100	0	18	4	0	2	1	0	0	0	0	604	25
14:00	11	408	106	5	16	4	0	3	0	0	0	0	0	553	28
15:00	6	540	148	5	25	6	0	0	1	0	0	0	0	731	37
16:00	4	673	164	7	22	6	0	3	0	0	1	0	0	880	39
17:00	9	631	136	4	27	1	0	2	1	0	1	0	0	812	36
18:00	3	559	129	3	16	3	0	1	0	0	0	0	0	714	23
19:00	5	534	116	1	11	2	0	0	0	0	0	0	0	669	14
20:00	3	427	75	1	8	1	0	1	0	0	0	0	0	516	11
21:00	1	323	46	1	6	0	0	0	0	0	0	0	0	377	7
22:00	2	240	27	0	7	0	0	0	0	0	0	0	0	276	7
23:00	0	160	19	0	1	0	0	0	0	0	0	0	0	180	1
Total	62	7238	1652	61	276	39	0	19	8	1	2	0	0	9358	406
Percent	0.7%	77.3%	17.7%	0.7%	2.9%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.3%
AM Peak	11:00	11:00	11:00	06:00	11:00	08:00		11:00	07:00	08:00				11:00	11:00
Vol.	5	349	90	16	21	4		3	3	1				473	29
PM Peak	14:00	16:00	16:00	16:00	17:00	15:00		14:00	12:00		16:00			16:00	16:00
Vol.	11	673	164	7	27	6		3	1		1			880	39

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/19/1															
3	1	81	17	0	1	1	0	0	0	0	0	0	0	101	2
01:00	0	35	13	0	0	1	0	0	0	0	0	0	0	49	1
02:00	0	26	10	0	2	0	0	0	0	0	0	0	0	38	2
03:00	0	17	7	0	2	0	0	0	0	0	0	0	0	26	2
04:00	0	21	3	0	1	1	0	0	0	0	0	0	0	26	2
05:00	0	52	15	0	2	0	0	0	0	0	0	0	0	69	2
06:00	0	166	45	13	12	1	0	3	0	0	0	0	0	240	29
07:00	1	225	49	7	8	1	0	1	1	0	1	0	0	294	19
08:00	1	273	62	3	13	2	0	0	0	0	0	0	0	354	18
09:00	0	279	91	1	15	4	0	2	1	0	0	0	0	393	23
10:00	5	300	96	5	14	3	0	0	0	0	0	0	0	423	22
11:00	1	413	107	2	20	2	0	2	0	0	0	0	0	547	26
12 PM	2	404	98	1	19	1	0	2	1	0	0	0	0	528	24
13:00	4	407	87	1	20	8	0	0	1	0	0	0	0	528	30
14:00	3	432	105	1	14	2	0	2	0	0	1	0	0	560	20
15:00	7	543	141	4	26	4	0	2	1	0	0	0	0	728	37
16:00	8	677	131	3	27	1	0	0	0	0	0	0	0	847	31
17:00	2	696	141	3	22	3	0	7	0	1	0	0	0	875	36
18:00	5	633	126	2	18	4	0	2	3	0	0	0	0	793	29
19:00	5	529	101	1	18	3	0	2	0	0	0	0	0	659	24
20:00	5	456	80	1	7	4	0	3	0	0	0	0	0	556	15
21:00	5	319	59	1	11	0	0	0	0	0	0	0	0	395	12
22:00	1	248	36	0	3	1	0	0	0	0	0	0	0	289	4
23:00	0	173	31	0	4	0	0	0	0	0	0	0	0	208	4
<b>Total</b>	<b>56</b>	<b>7405</b>	<b>1651</b>	<b>49</b>	<b>279</b>	<b>47</b>	<b>0</b>	<b>28</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>9526</b>	<b>414</b>
<b>Percent</b>	<b>0.6%</b>	<b>77.7%</b>	<b>17.3%</b>	<b>0.5%</b>	<b>2.9%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.3%</b>
<b>AM Peak</b>	10:00	11:00	11:00	06:00	11:00	09:00		06:00	07:00		07:00			11:00	06:00
<b>Vol.</b>	5	413	107	13	20	4		3	1		1			547	29
<b>PM Peak</b>	16:00	17:00	15:00	15:00	16:00	13:00		17:00	18:00	17:00	14:00			17:00	15:00
<b>Vol.</b>	8	696	141	4	27	8		7	3	1	1			875	37
<b>Grand Total</b>	118	14643	3303	110	555	86	0	47	16	2	4	0	0	18884	820
<b>Percent</b>	0.6%	77.5%	17.5%	0.6%	2.9%	0.5%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/18/1															
3	0	34	3	1	0	0	0	0	0	0	0	0	0	38	1
01:00	0	19	5	0	0	0	0	0	0	0	0	0	0	24	0
02:00	0	24	1	0	1	1	0	0	0	0	0	0	0	27	2
03:00	0	24	5	0	1	0	0	0	0	0	0	0	0	30	1
04:00	1	64	17	0	2	2	0	0	1	0	0	0	0	87	5
05:00	4	230	59	2	3	4	0	1	0	0	0	0	0	303	10
06:00	3	296	70	6	11	4	0	1	1	0	0	0	0	392	23
07:00	3	381	74	4	9	4	0	0	0	0	0	0	0	475	17
08:00	3	398	78	3	10	3	0	1	0	0	0	0	0	496	17
09:00	2	382	71	0	11	3	0	1	1	0	1	0	0	472	17
10:00	4	373	80	2	16	0	0	3	1	0	0	0	0	479	22
11:00	1	391	74	4	7	0	0	4	0	0	0	0	0	481	15
12 PM	2	409	81	2	13	4	0	3	0	0	0	0	0	514	22
13:00	5	405	70	9	14	9	0	2	1	0	0	0	0	515	35
14:00	7	446	89	7	10	6	0	1	0	0	0	0	0	566	24
15:00	7	508	69	1	15	4	0	1	0	0	0	0	0	605	21
16:00	7	436	84	4	7	5	0	0	0	0	0	0	0	543	16
17:00	11	457	82	2	12	5	1	4	0	0	0	0	0	574	24
18:00	3	453	77	0	3	3	0	0	0	0	0	0	0	539	6
19:00	5	365	57	0	4	4	0	0	1	0	0	0	0	436	9
20:00	4	253	47	0	3	1	0	0	0	0	0	0	0	308	4
21:00	1	187	27	0	2	1	0	0	0	0	1	0	0	219	4
22:00	1	117	9	0	0	1	0	0	0	0	0	0	0	128	1
23:00	0	82	9	1	0	0	0	0	0	0	0	0	0	92	1
Total	74	6734	1238	48	154	64	1	22	6	0	2	0	0	8343	297
Percent	0.9%	80.7%	14.8%	0.6%	1.8%	0.8%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		3.6%
AM Peak	05:00	08:00	10:00	06:00	10:00	05:00		11:00	04:00		09:00			08:00	06:00
Vol.	4	398	80	6	16	4		4	1		1			496	23
PM Peak	17:00	15:00	14:00	13:00	15:00	13:00	17:00	17:00	13:00		21:00			15:00	13:00
Vol.	11	508	89	9	15	9	1	4	1		1			605	35

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/19/1															
3	0	42	3	0	2	1	0	0	0	0	0	0	0	48	3
01:00	1	32	8	0	1	0	0	0	0	0	0	0	0	42	1
02:00	0	21	1	0	1	0	0	0	0	0	0	0	0	23	1
03:00	0	28	4	0	1	0	0	0	0	0	0	0	0	33	1
04:00	2	59	16	0	0	0	0	0	1	0	0	0	0	78	1
05:00	1	222	66	4	7	2	0	1	0	0	0	0	0	303	14
06:00	4	280	64	6	13	2	0	2	1	0	0	0	0	372	24
07:00	2	350	62	3	10	4	0	1	1	0	0	0	0	433	19
08:00	2	443	81	3	8	4	0	3	0	0	0	0	0	544	18
09:00	4	403	71	1	10	3	0	3	2	0	0	0	0	497	19
10:00	3	358	80	2	12	3	1	1	1	0	0	0	0	461	20
11:00	6	396	60	1	12	3	0	2	1	0	0	0	0	481	19
12 PM	4	412	86	1	9	1	0	1	1	0	0	0	0	515	13
13:00	7	404	82	10	12	6	0	0	0	0	0	0	0	521	28
14:00	9	409	69	9	11	7	1	4	0	0	0	0	0	519	32
15:00	6	464	75	1	13	4	0	0	2	0	0	0	0	565	20
16:00	5	473	89	0	10	1	0	1	1	0	0	0	0	580	13
17:00	9	464	77	1	8	4	0	0	1	0	0	0	0	564	14
18:00	8	440	69	0	12	3	0	1	0	0	0	0	0	533	16
19:00	9	391	74	0	1	3	0	1	1	1	0	0	0	481	7
20:00	7	304	54	0	2	8	0	0	0	0	0	0	0	375	10
21:00	0	184	21	0	2	0	0	0	0	0	0	0	0	207	2
22:00	2	164	11	0	1	0	0	0	0	0	0	0	0	178	1
23:00	0	115	6	1	0	0	0	0	0	0	0	0	0	122	1
Total	91	6858	1229	43	158	59	2	21	13	1	0	0	0	8475	297
Percent	1.1%	80.9%	14.5%	0.5%	1.9%	0.7%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.5%
AM Peak	11:00	08:00	08:00	06:00	06:00	07:00	10:00	08:00	09:00					08:00	06:00
Vol.	6	443	81	6	13	4	1	3	2					544	24
PM Peak	14:00	16:00	16:00	13:00	15:00	20:00	14:00	14:00	15:00	19:00				16:00	14:00
Vol.	9	473	89	10	13	8	1	4	2	1				580	32
Grand Total	165	13592	2467	91	312	123	3	43	19	1	2	0	0	16818	594
Percent	1.0%	80.8%	14.7%	0.5%	1.9%	0.7%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		3.5%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/18/1															
3	0	119	14	1	3	0	0	0	0	0	0	0	0	137	4
01:00	1	73	12	0	0	0	0	0	0	0	0	0	0	86	0
02:00	0	44	9	0	1	1	0	0	0	0	0	0	0	55	2
03:00	0	41	6	0	3	0	0	0	0	0	0	0	0	50	3
04:00	1	87	22	0	5	2	0	0	1	0	0	0	0	118	8
05:00	4	281	73	2	4	4	0	1	0	0	0	0	0	369	11
06:00	4	473	116	22	17	5	0	2	1	0	0	0	0	640	47
07:00	5	640	142	8	22	6	0	1	3	0	0	0	0	827	40
08:00	4	654	144	6	24	7	0	1	0	1	0	0	0	841	39
09:00	4	652	155	2	26	4	0	2	2	0	1	0	0	848	37
10:00	5	691	164	6	34	1	0	3	1	0	0	0	0	905	45
11:00	6	740	164	8	28	1	0	7	0	0	0	0	0	954	44
12 PM	4	797	183	3	36	6	0	4	1	0	0	0	0	1034	50
13:00	8	881	170	9	32	13	0	4	2	0	0	0	0	1119	60
14:00	18	854	195	12	26	10	0	4	0	0	0	0	0	1119	52
15:00	13	1048	217	6	40	10	0	1	1	0	0	0	0	1336	58
16:00	11	1109	248	11	29	11	0	3	0	0	1	0	0	1423	55
17:00	20	1088	218	6	39	6	1	6	1	0	1	0	0	1386	60
18:00	6	1012	206	3	19	6	0	1	0	0	0	0	0	1253	29
19:00	10	899	173	1	15	6	0	0	1	0	0	0	0	1105	23
20:00	7	680	122	1	11	2	0	1	0	0	0	0	0	824	15
21:00	2	510	73	1	8	1	0	0	0	0	1	0	0	596	11
22:00	3	357	36	0	7	1	0	0	0	0	0	0	0	404	8
23:00	0	242	28	1	1	0	0	0	0	0	0	0	0	272	2
<b>Total</b>	<b>136</b>	<b>13972</b>	<b>2890</b>	<b>109</b>	<b>430</b>	<b>103</b>	<b>1</b>	<b>41</b>	<b>14</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>17701</b>	<b>703</b>
<b>Percent</b>	<b>0.8%</b>	<b>78.9%</b>	<b>16.3%</b>	<b>0.6%</b>	<b>2.4%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.0%</b>
<b>AM Peak</b>	11:00	11:00	10:00	06:00	10:00	08:00		11:00	07:00	08:00	09:00			11:00	06:00
<b>Vol.</b>	6	740	164	22	34	7		7	3	1	1			954	47
<b>PM Peak</b>	17:00	16:00	16:00	14:00	15:00	13:00	17:00	17:00	13:00		16:00			16:00	13:00
<b>Vol.</b>	20	1109	248	12	40	13	1	6	2		1			1423	60

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22505  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest St, east of West 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	Truck Total
09/19/1															
3	1	123	20	0	3	2	0	0	0	0	0	0	0	149	5
01:00	1	67	21	0	1	1	0	0	0	0	0	0	0	91	2
02:00	0	47	11	0	3	0	0	0	0	0	0	0	0	61	3
03:00	0	45	11	0	3	0	0	0	0	0	0	0	0	59	3
04:00	2	80	19	0	1	1	0	0	1	0	0	0	0	104	3
05:00	1	274	81	4	9	2	0	1	0	0	0	0	0	372	16
06:00	4	446	109	19	25	3	0	5	1	0	0	0	0	612	53
07:00	3	575	111	10	18	5	0	2	2	0	1	0	0	727	38
08:00	3	716	143	6	21	6	0	3	0	0	0	0	0	898	36
09:00	4	682	162	2	25	7	0	5	3	0	0	0	0	890	42
10:00	8	658	176	7	26	6	1	1	1	0	0	0	0	884	42
11:00	7	809	167	3	32	5	0	4	1	0	0	0	0	1028	45
12 PM	6	816	184	2	28	2	0	3	2	0	0	0	0	1043	37
13:00	11	811	169	11	32	14	0	0	1	0	0	0	0	1049	58
14:00	12	841	174	10	25	9	1	6	0	0	1	0	0	1079	52
15:00	13	1007	216	5	39	8	0	2	3	0	0	0	0	1293	57
16:00	13	1150	220	3	37	2	0	1	1	0	0	0	0	1427	44
17:00	11	1160	218	4	30	7	0	7	1	1	0	0	0	1439	50
18:00	13	1073	195	2	30	7	0	3	3	0	0	0	0	1326	45
19:00	14	920	175	1	19	6	0	3	1	1	0	0	0	1140	31
20:00	12	760	134	1	9	12	0	3	0	0	0	0	0	931	25
21:00	5	503	80	1	13	0	0	0	0	0	0	0	0	602	14
22:00	3	412	47	0	4	1	0	0	0	0	0	0	0	467	5
23:00	0	288	37	1	4	0	0	0	0	0	0	0	0	330	5
<b>Total</b>	<b>147</b>	<b>14263</b>	<b>2880</b>	<b>92</b>	<b>437</b>	<b>106</b>	<b>2</b>	<b>49</b>	<b>21</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>18001</b>	<b>711</b>
<b>Percent</b>	<b>0.8%</b>	<b>79.2%</b>	<b>16.0%</b>	<b>0.5%</b>	<b>2.4%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.9%</b>
<b>AM Peak</b>	10:00	11:00	10:00	06:00	11:00	09:00	10:00	06:00	09:00		07:00			11:00	06:00
<b>Vol.</b>	8	809	176	19	32	7	1	5	3		1			1028	53
<b>PM Peak</b>	19:00	17:00	16:00	13:00	15:00	13:00	14:00	17:00	15:00	17:00	14:00			17:00	13:00
<b>Vol.</b>	14	1160	220	11	39	14	1	7	3	1	1			1439	58
<b>Grand Total</b>	283	28235	5770	201	867	209	3	90	35	3	6	0	0	35702	1414
<b>Percent</b>	0.8%	79.1%	16.2%	0.6%	2.4%	0.6%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		4.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

Start Time	16-Sep-13		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	*	*	*	*	82	37	81	40	*	*	*	*	*	*	82	38
01:00	*	*	*	*	53	19	53	41	*	*	*	*	*	*	53	30
02:00	*	*	*	*	23	25	32	18	*	*	*	*	*	*	28	22
03:00	*	*	*	*	18	24	23	28	*	*	*	*	*	*	20	26
04:00	*	*	*	*	28	67	21	67	*	*	*	*	*	*	24	67
05:00	*	*	*	*	54	235	63	251	*	*	*	*	*	*	58	243
06:00	*	*	*	*	199	441	207	399	*	*	*	*	*	*	203	420
07:00	*	*	*	*	400	354	386	371	*	*	*	*	*	*	393	362
08:00	*	*	*	*	325	414	314	430	*	*	*	*	*	*	320	422
09:00	*	*	*	*	342	374	337	408	*	*	*	*	*	*	340	391
10:00	*	*	*	*	363	382	367	359	*	*	*	*	*	*	365	370
11:00	*	*	*	*	392	362	428	369	*	*	*	*	*	*	410	366
12:00 PM	*	*	*	*	416	415	413	430	*	*	*	*	*	*	414	422
01:00	*	*	*	*	463	479	434	487	*	*	*	*	*	*	448	483
02:00	*	*	*	*	495	445	579	472	*	*	*	*	*	*	537	458
03:00	*	*	*	*	590	500	619	502	*	*	*	*	*	*	604	501
04:00	*	*	*	*	698	492	633	519	*	*	*	*	*	*	666	506
05:00	*	*	*	*	637	440	625	545	*	*	*	*	*	*	631	492
06:00	*	*	*	*	536	437	602	476	*	*	*	*	*	*	569	456
07:00	*	*	*	*	537	352	514	363	*	*	*	*	*	*	526	358
08:00	*	*	*	*	423	248	507	236	*	*	*	*	*	*	465	242
09:00	*	*	*	*	304	179	290	178	*	*	*	*	*	*	297	178
10:00	*	*	*	*	246	115	251	159	*	*	*	*	*	*	248	137
11:00	*	*	*	*	172	90	175	116	*	*	*	*	*	*	174	103
Total Day	0	0	0	0	7796	6926	7954	7264	0	0	0	0	0	0	7875	7093
AM Peak	-	-	-	-	07:00	06:00	11:00	08:00	-	-	-	-	-	-	11:00	08:00
Vol.	-	-	-	-	400	441	428	430	-	-	-	-	-	-	410	422
PM Peak	-	-	-	-	16:00	15:00	16:00	17:00	-	-	-	-	-	-	16:00	16:00
Vol.	-	-	-	-	698	500	633	545	-	-	-	-	-	-	666	506

Comb. Total                    0                    0                    14722                    15218                    0                    0                    0                    14968

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

Start Time	18-Sep-13		EB		WB		Combined		19-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			24	100	9	106	33	206			25	106	19	100	44	206
12:15			22	113	13	95	35	208			25	116	10	110	35	226
12:30			16	92	7	104	23	196			18	91	6	103	24	194
12:45			20	111	8	110	28	221			13	100	5	117	18	217
01:00			11	123	6	115	17	238			13	111	18	124	31	235
01:15			19	115	4	108	23	223			14	122	8	118	22	240
01:30			12	116	1	131	13	247			16	99	8	114	24	213
01:45			11	109	8	125	19	234			10	102	7	131	17	233
02:00			9	131	11	104	20	235			5	139	3	106	8	245
02:15			10	129	4	101	14	230			14	143	5	100	19	243
02:30			3	120	5	114	8	234			8	155	3	128	11	283
02:45			1	115	5	126	6	241			5	142	7	138	12	280
03:00			1	123	4	123	5	246			8	121	4	124	12	245
03:15			3	152	8	122	11	274			3	165	4	116	7	281
03:30			11	154	4	130	15	284			9	156	8	134	17	290
03:45			3	161	8	125	11	286			3	177	12	128	15	305
04:00			6	155	10	114	16	269			5	173	12	119	17	292
04:15			7	171	12	110	19	281			2	166	18	141	20	307
04:30			6	174	24	137	30	311			6	148	16	127	22	275
04:45			9	198	21	131	30	329			8	146	21	132	29	278
05:00			9	178	44	100	53	278			9	162	46	136	55	298
05:15			7	171	45	111	52	282			13	175	51	127	64	302
05:30			15	148	62	122	77	270			18	141	74	134	92	275
05:45			23	140	84	107	107	247			23	147	80	148	103	295
06:00			36	127	73	117	109	244			44	166	70	123	114	289
06:15			25	145	105	110	130	255			36	150	92	139	128	289
06:30			54	135	136	95	190	230			48	171	131	96	179	267
06:45			84	129	127	115	211	244			79	115	106	118	185	233
07:00		110	149	82	89	192	238			101	129	91	98	192	227	
07:15		105	153	70	106	175	259			120	116	64	100	184	216	
07:30		78	129	96	82	174	211			84	126	99	90	183	216	
07:45		107	106	106	75	213	181			81	143	117	75	198	218	
08:00		99	134	101	65	200	199			76	167	104	82	180	249	
08:15		63	114	121	66	184	180			81	131	114	67	195	198	
08:30		74	88	101	65	175	153			83	116	117	48	200	164	
08:45		89	87	91	52	180	139			74	93	95	39	169	132	
09:00		87	83	110	45	197	128			92	77	108	34	200	111	
09:15		84	85	85	37	169	122			74	76	83	46	157	122	
09:30		83	77	70	47	153	124			89	73	108	52	197	125	
09:45		88	59	109	50	197	109			82	64	109	46	191	110	
10:00		90	71	100	39	190	110			86	74	88	43	174	117	
10:15		88	61	98	28	186	89			103	71	71	37	174	108	
10:30		94	58	96	29	190	87			87	59	100	40	187	99	
10:45		91	56	88	19	179	75			91	47	100	39	191	86	
11:00		95	45	86	39	181	84		114	49	98	40	212	89		
11:15		99	43	96	22	195	65		108	35	91	21	199	56		
11:30		100	49	87	19	187	68		105	48	95	33	200	81		
11:45		98	35	93	10	191	45		101	43	85	22	186	65		
Total			2279	5517	2734	4192	5013	9709			2312	5642	2781	4483	5093	10125
Day Total				7796		6926		14722				7954		7264		15218
% Total			15.5%	37.5%	18.6%	28.5%					15.2%	37.1%	18.3%	29.5%		
Peak	-	07:00	04:15	06:15	02:45	07:45	04:30		-	11:00	03:30	07:45	05:00	10:45	03:30	
Vol.	-	400	721	450	501	772	1200		-	428	672	452	545	802	1194	
P.H.F.		0.909	0.910	0.827	0.963	0.906	0.912			0.939	0.949	0.966	0.921	0.946	0.972	

**Old Colony Planning Council**  
**70 School Street**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	119	121	*	*	*	120
01:00	*	*	72	94	*	*	*	83
02:00	*	*	48	50	*	*	*	49
03:00	*	*	42	51	*	*	*	46
04:00	*	*	95	88	*	*	*	92
05:00	*	*	289	314	*	*	*	302
06:00	*	*	640	606	*	*	*	623
07:00	*	*	754	757	*	*	*	756
08:00	*	*	739	744	*	*	*	742
09:00	*	*	716	745	*	*	*	730
10:00	*	*	745	726	*	*	*	736
11:00	*	*	754	797	*	*	*	776
12:00 PM	*	*	831	843	*	*	*	837
01:00	*	*	942	921	*	*	*	932
02:00	*	*	940	1051	*	*	*	996
03:00	*	*	1090	1121	*	*	*	1106
04:00	*	*	1190	1152	*	*	*	1171
05:00	*	*	1077	1170	*	*	*	1124
06:00	*	*	973	1078	*	*	*	1026
07:00	*	*	889	877	*	*	*	883
08:00	*	*	671	743	*	*	*	707
09:00	*	*	483	468	*	*	*	476
10:00	*	*	361	410	*	*	*	386
11:00	*	*	262	291	*	*	*	276
Total	0	0	14722	15218	0	0	0	14975
Percentage	0.0%	0.0%	98.3%	101.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	11:00	-	-	-	11:00
Vol.	-	-	754	797	-	-	-	776
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	1190	1170	-	-	-	1171

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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

**EB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	1	0	9	44	22	6	0	0	0	0	0	0	0	0	82
01:00	0	0	0	6	20	14	9	3	0	1	0	0	0	0	0	53
02:00	0	0	0	7	6	9	1	0	0	0	0	0	0	0	0	23
03:00	0	0	0	2	7	4	3	2	0	0	0	0	0	0	0	18
04:00	0	0	0	4	10	9	5	0	0	0	0	0	0	0	0	28
05:00	1	0	0	3	19	20	10	0	1	0	0	0	0	0	0	54
06:00	4	0	11	69	77	30	6	2	0	0	0	0	0	0	0	199
07:00	16	0	25	110	185	54	10	0	0	0	0	0	0	0	0	400
08:00	18	2	4	46	137	97	19	2	0	0	0	0	0	0	0	325
09:00	14	0	15	70	146	87	10	0	0	0	0	0	0	0	0	342
10:00	20	1	2	79	186	64	11	0	0	0	0	0	0	0	0	363
11:00	18	0	7	103	169	82	12	1	0	0	0	0	0	0	0	392
12 PM	19	4	5	103	180	91	13	0	0	1	0	0	0	0	0	416
13:00	26	1	23	145	198	62	6	2	0	0	0	0	0	0	0	463
14:00	41	18	60	165	170	35	6	0	0	0	0	0	0	0	0	495
15:00	25	2	41	225	235	60	2	0	0	0	0	0	0	0	0	590
16:00	33	11	92	273	230	53	6	0	0	0	0	0	0	0	0	698
17:00	39	3	39	216	261	72	5	1	1	0	0	0	0	0	0	637
18:00	27	6	27	201	217	51	6	1	0	0	0	0	0	0	0	536
19:00	20	6	52	229	192	37	1	0	0	0	0	0	0	0	0	537
20:00	17	3	24	177	175	25	2	0	0	0	0	0	0	0	0	423
21:00	18	1	8	100	134	38	5	0	0	0	0	0	0	0	0	304
22:00	3	0	4	54	124	55	4	2	0	0	0	0	0	0	0	246
23:00	1	1	3	22	106	38	0	1	0	0	0	0	0	0	0	172
<b>Total</b>	<b>360</b>	<b>60</b>	<b>442</b>	<b>2418</b>	<b>3228</b>	<b>1109</b>	<b>158</b>	<b>17</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7796</b>

Daily

- 15th Percentile : 24 MPH
- 50th Percentile : 30 MPH
- 85th Percentile : 35 MPH
- 95th Percentile : 39 MPH

Mean Speed(Average) : 30 MPH

- 10 MPH Pace Speed : 27-36 MPH
- Number in Pace : 5016
- Percent in Pace : 64.3%
- Number of Vehicles > 30 MPH : 4516
- Percent of Vehicles > 30 MPH : 57.9%

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

**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
09/19/13	1	1	1	9	41	21	5	1	0	0	1	0	0	0	81
01:00	0	0	1	4	24	16	6	2	0	0	0	0	0	0	53
02:00	0	0	0	6	12	10	4	0	0	0	0	0	0	0	32
03:00	0	0	1	1	12	5	4	0	0	0	0	0	0	0	23
04:00	1	0	0	2	13	2	3	0	0	0	0	0	0	0	21
05:00	4	0	2	3	24	20	7	3	0	0	0	0	0	0	63
06:00	13	2	14	73	65	32	6	2	0	0	0	0	0	0	207
07:00	13	2	37	121	147	59	6	1	0	0	0	0	0	0	386
08:00	22	7	12	60	133	68	11	1	0	0	0	0	0	0	314
09:00	13	0	10	78	150	75	11	0	0	0	0	0	0	0	337
10:00	12	0	7	102	179	64	3	0	0	0	0	0	0	0	367
11:00	21	0	16	132	179	75	5	0	0	0	0	0	0	0	428
12 PM	19	1	11	111	185	76	10	0	0	0	0	0	0	0	413
13:00	24	5	18	110	195	73	7	2	0	0	0	0	0	0	434
14:00	26	20	100	221	160	44	6	1	0	0	0	0	0	1	579
15:00	30	12	73	229	234	39	1	0	1	0	0	0	0	0	619
16:00	40	9	62	246	222	46	6	1	0	1	0	0	0	0	633
17:00	35	6	55	247	230	46	6	0	0	0	0	0	0	0	625
18:00	29	1	41	236	236	55	3	1	41	0	0	0	0	0	602
19:00	21	1	35	251	165	40	1	0	0	0	0	0	0	0	514
20:00	14	6	61	224	175	24	3	0	0	0	0	0	0	0	507
21:00	6	2	18	114	116	29	4	1	0	0	0	0	0	0	290
22:00	10	0	4	61	118	55	3	0	0	0	0	0	0	0	251
23:00	4	2	6	40	91	26	6	0	0	0	0	0	0	0	175
<b>Total</b>	<b>358</b>	<b>77</b>	<b>585</b>	<b>2681</b>	<b>3106</b>	<b>1000</b>	<b>127</b>	<b>16</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7954</b>

Daily  
 15th Percentile : 23 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 29 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 5075  
 Percent in Pace : 63.8%  
 Number of Vehicles > 30 MPH : 4253  
 Percent of Vehicles > 30 MPH : 53.5%

<b>Grand Total</b>	<b>718</b>	<b>137</b>	<b>1027</b>	<b>5099</b>	<b>6334</b>	<b>2109</b>	<b>285</b>	<b>33</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>15750</b>
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Overall  
 15th Percentile : 23 MPH  
 50th Percentile : 30 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 39 MPH

Mean Speed(Average) : 30 MPH  
 10 MPH Pace Speed : 27-36 MPH  
 Number in Pace : 10091  
 Percent in Pace : 64.1%  
 Number of Vehicles > 30 MPH : 8769  
 Percent of Vehicles > 30 MPH : 55.7%

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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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
09/18/1															
3	0	1	3	7	15	8	2	1	0	0	0	0	0	0	37
01:00	0	0	0	7	5	6	0	1	0	0	0	0	0	0	19
02:00	0	0	0	11	7	5	2	0	0	0	0	0	0	0	25
03:00	0	0	1	3	10	5	3	1	1	0	0	0	0	0	24
04:00	0	1	3	9	15	29	9	0	1	0	0	0	0	0	67
05:00	4	6	4	40	118	47	14	2	0	0	0	0	0	0	235
06:00	28	35	67	137	127	45	1	1	0	0	0	0	0	0	441
07:00	14	4	29	93	144	61	8	1	0	0	0	0	0	0	354
08:00	20	2	35	133	152	63	9	0	0	0	0	0	0	0	414
09:00	17	16	32	117	150	36	6	0	0	0	0	0	0	0	374
10:00	31	7	31	126	133	47	7	0	0	0	0	0	0	0	382
11:00	14	4	26	130	143	42	3	0	0	0	0	0	0	0	362
12 PM	23	3	33	157	147	38	7	3	0	0	1	3	0	0	415
13:00	34	20	83	151	151	35	4	1	0	0	0	0	0	0	479
14:00	54	25	65	178	98	19	6	0	0	0	0	0	0	0	445
15:00	99	45	64	167	89	30	6	0	0	0	0	0	0	0	500
16:00	44	13	58	182	154	36	5	0	0	0	0	0	0	0	492
17:00	47	8	51	147	140	41	6	0	0	0	0	0	0	0	440
18:00	40	12	55	188	119	21	2	0	0	0	0	0	0	0	437
19:00	38	9	45	132	111	17	0	0	0	0	0	0	0	0	352
20:00	18	1	33	97	72	25	2	0	0	0	0	0	0	0	248
21:00	10	2	11	56	71	24	5	0	0	0	0	0	0	0	179
22:00	4	1	9	27	53	20	1	0	0	0	0	0	0	0	115
23:00	1	0	4	22	45	15	2	1	0	0	0	0	0	0	90
<b>Total</b>	<b>540</b>	<b>215</b>	<b>742</b>	<b>2317</b>	<b>2269</b>	<b>715</b>	<b>110</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6926</b>

Daily

15th Percentile :	16 MPH
50th Percentile :	28 MPH
85th Percentile :	34 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	3906
Percent in Pace :	56.4%
Number of Vehicles > 30 MPH :	3112
Percent of Vehicles > 30 MPH :	44.9%



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 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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
09/19/1															
3	0	0	0	11	15	11	2	1	0	0	0	0	0	0	40
01:00	0	0	5	8	15	10	3	0	0	0	0	0	0	0	41
02:00	0	0	1	7	3	4	1	1	0	0	1	0	0	0	18
03:00	0	0	1	6	12	7	1	1	0	0	0	0	0	0	28
04:00	0	1	2	6	22	25	9	2	0	0	0	0	0	0	67
05:00	7	1	23	57	89	65	5	4	0	0	0	0	0	0	251
06:00	85	26	56	103	90	34	5	0	0	0	0	0	0	0	399
07:00	26	6	34	120	134	46	5	0	0	0	0	0	0	0	371
08:00	28	14	39	151	157	32	8	1	0	0	0	0	0	0	430
09:00	16	8	38	110	163	64	9	0	0	0	0	0	0	0	408
10:00	13	1	25	116	149	47	7	1	0	0	0	0	0	0	359
11:00	26	6	46	116	147	24	4	0	0	0	0	0	0	0	369
12 PM	30	3	26	170	162	35	4	0	0	0	0	0	0	0	430
13:00	32	18	72	183	145	31	6	0	0	0	0	0	0	0	487
14:00	47	13	79	195	113	22	3	0	0	0	0	0	0	0	472
15:00	79	32	71	145	146	27	1	0	0	0	0	1	0	0	502
16:00	87	29	65	154	143	38	2	1	0	0	0	0	0	0	519
17:00	65	27	94	207	128	22	2	0	0	0	0	0	0	0	545
18:00	48	17	92	195	102	21	1	0	0	0	0	0	0	0	476
19:00	25	12	69	115	109	30	3	0	0	0	0	0	0	0	363
20:00	11	3	34	88	83	16	0	1	0	0	0	0	0	0	236
21:00	8	1	5	58	68	30	6	1	1	0	0	0	0	0	178
22:00	10	1	11	39	59	30	7	2	0	0	0	0	0	0	159
23:00	2	2	2	30	51	25	4	0	0	0	0	0	0	0	116
<b>Total</b>	<b>645</b>	<b>221</b>	<b>890</b>	<b>2390</b>	<b>2305</b>	<b>696</b>	<b>98</b>	<b>16</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>7264</b>

Daily

15th Percentile : 14 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 3979  
 Percent in Pace : 54.8%  
 Number of Vehicles > 30 MPH : 3118  
 Percent of Vehicles > 30 MPH : 42.9%

<b>Grand Total</b>	<b>1185</b>	<b>436</b>	<b>1632</b>	<b>4707</b>	<b>4574</b>	<b>1411</b>	<b>208</b>	<b>28</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>14190</b>
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Overall

15th Percentile : 14 MPH  
 50th Percentile : 28 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 27 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 7885  
 Percent in Pace : 55.6%  
 Number of Vehicles > 30 MPH : 6230  
 Percent of Vehicles > 30 MPH : 43.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

**EB, 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
09/18/1															
3	0	2	3	16	59	30	8	1	0	0	0	0	0	0	119
01:00	0	0	0	13	25	20	9	4	0	1	0	0	0	0	72
02:00	0	0	0	18	13	14	3	0	0	0	0	0	0	0	48
03:00	0	0	1	5	17	9	6	3	1	0	0	0	0	0	42
04:00	0	1	3	13	25	38	14	0	1	0	0	0	0	0	95
05:00	5	6	4	43	137	67	24	2	1	0	0	0	0	0	289
06:00	32	35	78	206	204	75	7	3	0	0	0	0	0	0	640
07:00	30	4	54	203	329	115	18	1	0	0	0	0	0	0	754
08:00	38	4	39	179	289	160	28	2	0	0	0	0	0	0	739
09:00	31	16	47	187	296	123	16	0	0	0	0	0	0	0	716
10:00	51	8	33	205	319	111	18	0	0	0	0	0	0	0	745
11:00	32	4	33	233	312	124	15	1	0	0	0	0	0	0	754
12 PM	42	7	38	260	327	129	20	3	0	1	1	3	0	0	831
13:00	60	21	106	296	349	97	10	3	0	0	0	0	0	0	942
14:00	95	43	125	343	268	54	12	0	0	0	0	0	0	0	940
15:00	124	47	105	392	324	90	8	0	0	0	0	0	0	0	1090
16:00	77	24	150	455	384	89	11	0	0	0	0	0	0	0	1190
17:00	86	11	90	363	401	113	11	1	1	0	0	0	0	0	1077
18:00	67	18	82	389	336	72	8	1	0	0	0	0	0	0	973
19:00	58	15	97	361	303	54	1	0	0	0	0	0	0	0	889
20:00	35	4	57	274	247	50	4	0	0	0	0	0	0	0	671
21:00	28	3	19	156	205	62	10	0	0	0	0	0	0	0	483
22:00	7	1	13	81	177	75	5	2	0	0	0	0	0	0	361
23:00	2	1	7	44	151	53	2	2	0	0	0	0	0	0	262
<b>Total</b>	<b>900</b>	<b>275</b>	<b>1184</b>	<b>4735</b>	<b>5497</b>	<b>1824</b>	<b>268</b>	<b>29</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>14722</b>

Daily

- 15th Percentile : 21 MPH
- 50th Percentile : 29 MPH
- 85th Percentile : 35 MPH
- 95th Percentile : 38 MPH

Mean Speed(Average) : 29 MPH

- 10 MPH Pace Speed : 26-35 MPH
- Number in Pace : 8850
- Percent in Pace : 60.1%
- Number of Vehicles > 30 MPH : 7628
- Percent of Vehicles > 30 MPH : 51.8%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash St

**EB, 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
09/19/1															
3	1	1	1	20	56	32	7	2	0	0	1	0	0	0	121
01:00	0	0	6	12	39	26	9	2	0	0	0	0	0	0	94
02:00	0	0	1	13	15	14	5	1	0	0	1	0	0	0	50
03:00	0	0	2	7	24	12	5	1	0	0	0	0	0	0	51
04:00	1	1	2	8	35	27	12	2	0	0	0	0	0	0	88
05:00	11	1	25	60	113	85	12	7	0	0	0	0	0	0	314
06:00	98	28	70	176	155	66	11	2	0	0	0	0	0	0	606
07:00	39	8	71	241	281	105	11	1	0	0	0	0	0	0	757
08:00	50	21	51	211	290	100	19	2	0	0	0	0	0	0	744
09:00	29	8	48	188	313	139	20	0	0	0	0	0	0	0	745
10:00	25	1	32	218	328	111	10	1	0	0	0	0	0	0	726
11:00	47	6	62	248	326	99	9	0	0	0	0	0	0	0	797
12 PM	49	4	37	281	347	111	14	0	0	0	0	0	0	0	843
13:00	56	23	90	293	340	104	13	2	0	0	0	0	0	0	921
14:00	73	33	179	416	273	66	9	1	0	0	0	0	0	1	1051
15:00	109	44	144	374	380	66	2	0	1	0	0	1	0	0	1121
16:00	127	38	127	400	365	84	8	2	0	1	0	0	0	0	1152
17:00	100	33	149	454	358	68	8	0	0	0	0	0	0	0	1170
18:00	77	18	133	431	338	76	4	1	0	0	0	0	0	0	1078
19:00	46	13	104	366	274	70	4	0	0	0	0	0	0	0	877
20:00	25	9	95	312	258	40	3	1	0	0	0	0	0	0	743
21:00	14	3	23	172	184	59	10	2	1	0	0	0	0	0	468
22:00	20	1	15	100	177	85	10	2	0	0	0	0	0	0	410
23:00	6	4	8	70	142	51	10	0	0	0	0	0	0	0	291
<b>Total</b>	<b>1003</b>	<b>298</b>	<b>1475</b>	<b>5071</b>	<b>5411</b>	<b>1696</b>	<b>225</b>	<b>32</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>15218</b>

Daily

15th Percentile : 20 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 34 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 9040  
 Percent in Pace : 59.4%  
 Number of Vehicles > 30 MPH : 7371  
 Percent of Vehicles > 30 MPH : 48.4%

<b>Grand Total</b>	<b>1903</b>	<b>573</b>	<b>2659</b>	<b>9806</b>	<b>10908</b>	<b>3520</b>	<b>493</b>	<b>61</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>29940</b>
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Overall

15th Percentile : 20 MPH  
 50th Percentile : 29 MPH  
 85th Percentile : 35 MPH  
 95th Percentile : 38 MPH

Mean Speed(Average) : 28 MPH  
 10 MPH Pace Speed : 26-35 MPH  
 Number in Pace : 17889  
 Percent in Pace : 59.8%  
 Number of Vehicles > 30 MPH : 14999  
 Percent of Vehicles > 30 MPH : 50.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/18/1															
3	0	73	7	0	2	0	0	0	0	0	0	0	0	82	2
01:00	1	46	6	0	0	0	0	0	0	0	0	0	0	53	0
02:00	0	19	4	0	0	0	0	0	0	0	0	0	0	23	0
03:00	0	15	1	0	2	0	0	0	0	0	0	0	0	18	2
04:00	0	23	4	0	1	0	0	0	0	0	0	0	0	28	1
05:00	0	40	11	0	3	0	0	0	0	0	0	0	0	54	3
06:00	0	151	33	11	2	2	0	0	0	0	0	0	0	199	15
07:00	0	281	86	12	11	5	0	1	3	0	0	0	0	399	32
08:00	1	255	55	1	10	1	0	0	0	1	0	0	0	324	13
09:00	0	260	66	1	11	1	0	1	1	0	0	0	0	341	15
10:00	2	269	69	4	14	3	0	1	0	0	0	0	0	362	22
11:00	4	301	70	3	11	0	0	2	0	0	0	0	0	391	16
12 PM	2	322	76	2	13	1	0	0	0	0	0	0	0	416	16
13:00	2	369	75	0	13	2	0	0	1	0	0	0	0	462	16
14:00	0	361	100	17	10	2	1	2	1	0	0	0	0	494	33
15:00	4	443	118	4	15	3	0	0	0	0	0	0	0	587	22
16:00	2	559	109	6	17	2	0	2	0	0	0	0	0	697	27
17:00	2	516	96	2	16	4	0	0	0	0	0	0	0	636	22
18:00	7	425	89	1	12	1	0	0	0	0	0	0	0	535	14
19:00	2	428	93	1	9	0	0	1	0	0	0	0	0	534	11
20:00	5	340	69	1	4	0	0	4	0	0	0	0	0	423	9
21:00	2	265	30	0	4	0	0	0	0	0	0	0	0	301	4
22:00	3	213	26	0	4	0	0	0	0	0	0	0	0	246	4
23:00	0	153	17	0	2	0	0	0	0	0	0	0	0	172	2
<b>Total</b>	<b>39</b>	<b>6127</b>	<b>1310</b>	<b>66</b>	<b>186</b>	<b>27</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7777</b>	<b>301</b>
<b>Percent</b>	<b>0.5%</b>	<b>78.8%</b>	<b>16.8%</b>	<b>0.8%</b>	<b>2.4%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.9%</b>
<b>AM Peak</b>	11:00	11:00	07:00	07:00	10:00	07:00		11:00	07:00	08:00				07:00	07:00
<b>Vol.</b>	4	301	86	12	14	5		2	3	1				399	32
<b>PM Peak</b>	18:00	16:00	15:00	14:00	16:00	17:00	14:00	20:00	13:00					16:00	14:00
<b>Vol.</b>	7	559	118	17	17	4	1	4	1					697	33

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/19/1															
3	1	66	13	0	1	0	0	0	0	0	0	0	0	81	1
01:00	0	43	9	0	0	1	0	0	0	0	0	0	0	53	1
02:00	0	25	6	0	1	0	0	0	0	0	0	0	0	32	1
03:00	0	18	4	0	1	0	0	0	0	0	0	0	0	23	1
04:00	0	17	3	0	0	1	0	0	0	0	0	0	0	21	1
05:00	0	48	14	0	1	0	0	0	0	0	0	0	0	63	1
06:00	2	142	40	9	10	1	0	1	0	0	0	0	0	205	21
07:00	0	291	69	15	10	0	0	1	0	0	0	0	0	386	26
08:00	1	245	55	3	9	1	0	0	0	0	0	0	0	314	13
09:00	0	252	65	2	12	3	0	1	1	0	0	0	0	336	19
10:00	0	263	86	1	14	3	0	0	0	0	0	0	0	367	18
11:00	1	333	71	1	14	4	0	1	0	0	0	0	0	425	20
12 PM	1	327	74	1	5	2	0	1	2	0	0	0	0	413	11
13:00	1	342	70	3	12	4	0	1	1	0	0	0	0	434	21
14:00	11	435	97	18	12	4	0	0	0	0	0	0	0	577	34
15:00	10	492	88	4	14	6	0	1	1	0	0	0	0	616	26
16:00	9	499	105	2	13	1	0	0	1	0	0	0	1	631	18
17:00	2	529	79	2	7	4	0	1	0	0	0	0	0	624	14
18:00	2	505	77	1	9	3	0	2	2	0	0	0	0	601	17
19:00	4	434	64	1	8	3	0	0	0	0	0	0	0	514	12
20:00	5	415	80	2	3	0	0	1	0	0	0	0	0	506	6
21:00	4	242	42	0	2	0	0	0	0	0	0	0	0	290	2
22:00	2	219	25	0	2	1	0	1	0	0	0	0	0	250	4
23:00	0	146	26	0	2	0	0	1	0	0	0	0	0	175	3
<b>Total</b>	56	6328	1262	65	162	42	0	13	8	0	0	0	1	7937	291
<b>Percent</b>	0.7%	79.7%	15.9%	0.8%	2.0%	0.5%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.7%
<b>AM Peak</b>	06:00	11:00	10:00	07:00	10:00	11:00		06:00	09:00					11:00	07:00
<b>Vol.</b>	2	333	86	15	14	4		1	1					425	26
<b>PM Peak</b>	14:00	17:00	16:00	14:00	15:00	15:00		18:00	12:00				16:00	16:00	14:00
<b>Vol.</b>	11	529	105	18	14	6		2	2				1	631	34
<b>Grand Total</b>	95	12455	2572	131	348	69	1	27	14	1	0	0	1	15714	592
<b>Percent</b>	0.6%	79.3%	16.4%	0.8%	2.2%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.8%

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
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 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/18/1															
3	0	31	4	1	1	0	0	0	0	0	0	0	0	37	2
01:00	0	14	4	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	22	2	0	1	0	0	0	0	0	0	0	0	25	1
03:00	0	17	5	0	2	0	0	0	0	0	0	0	0	24	2
04:00	0	53	11	0	2	0	0	0	1	0	0	0	0	67	3
05:00	0	183	47	0	4	0	0	1	0	0	0	0	0	235	5
06:00	0	330	87	14	7	0	0	1	0	0	0	0	0	439	22
07:00	2	278	57	5	10	1	0	0	0	0	0	0	0	353	16
08:00	1	314	79	3	14	1	0	2	0	0	0	0	0	414	20
09:00	2	293	60	0	14	0	0	2	1	0	0	0	0	372	17
10:00	2	293	64	2	14	1	0	3	1	0	0	0	0	380	21
11:00	2	289	57	3	9	1	0	1	0	0	0	0	0	362	14
12 PM	0	321	71	5	16	1	0	0	1	0	0	0	0	415	23
13:00	1	365	78	17	14	3	0	0	1	0	0	0	0	479	35
14:00	4	351	75	2	9	1	0	1	0	0	0	0	0	443	13
15:00	2	391	84	7	9	3	0	3	0	0	0	0	0	499	22
16:00	5	388	88	1	6	0	0	1	0	0	0	0	0	489	8
17:00	4	365	61	1	5	1	0	1	0	0	0	0	0	438	8
18:00	2	357	69	0	3	2	0	1	0	0	0	0	0	434	6
19:00	1	302	43	1	2	0	0	0	1	0	0	0	0	350	4
20:00	0	203	41	0	2	1	0	1	0	0	0	0	0	248	4
21:00	0	153	23	0	2	1	0	0	0	0	0	0	0	179	3
22:00	1	101	11	0	1	0	0	0	0	1	0	0	0	115	2
23:00	0	79	10	1	0	0	0	0	0	0	0	0	0	90	1
Total	29	5493	1131	63	148	17	0	18	6	1	0	0	0	6906	253
Percent	0.4%	79.5%	16.4%	0.9%	2.1%	0.2%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		3.7%
AM Peak Vol.	07:00	06:00	06:00	06:00	08:00	07:00		10:00	04:00					06:00	06:00
PM Peak Vol.	16:00	15:00	16:00	13:00	12:00	13:00		15:00	12:00	22:00				15:00	13:00
	2	330	87	14	14	1		3	1					439	22
	5	391	88	17	16	3		3	1	1				499	35

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/19/1															
3	0	33	6	0	1	0	0	0	0	0	0	0	0	40	1
01:00	0	32	8	0	1	0	0	0	0	0	0	0	0	41	1
02:00	0	16	1	0	1	0	0	0	0	0	0	0	0	18	1
03:00	0	24	3	0	1	0	0	0	0	0	0	0	0	28	1
04:00	1	50	14	0	1	0	0	0	1	0	0	0	0	67	2
05:00	1	194	49	1	6	0	0	0	0	0	0	0	0	251	7
06:00	3	304	67	15	6	0	0	1	0	1	0	0	0	397	23
07:00	0	280	70	5	12	1	0	2	0	0	0	0	0	370	20
08:00	0	336	76	4	9	2	0	3	0	0	0	0	0	430	18
09:00	0	311	76	1	11	1	0	4	2	0	0	0	0	406	19
10:00	1	273	65	3	10	1	1	3	1	0	0	0	0	358	19
11:00	2	299	51	3	8	1	0	2	2	0	0	0	0	368	16
12 PM	1	333	82	1	9	1	0	1	1	0	0	0	0	429	13
13:00	1	360	90	18	12	3	0	1	0	1	0	0	0	486	35
14:00	3	375	74	3	9	4	0	2	0	0	0	0	1	471	19
15:00	4	391	85	3	11	3	0	1	0	1	0	0	0	499	19
16:00	5	404	94	1	9	0	0	1	1	0	0	0	0	515	12
17:00	6	435	90	0	8	3	0	0	0	0	0	0	0	542	11
18:00	3	394	70	0	5	0	0	1	1	0	0	0	0	474	7
19:00	3	298	57	0	1	2	0	0	1	0	0	0	0	362	4
20:00	2	194	37	0	1	0	0	0	0	0	0	0	0	234	1
21:00	0	159	17	0	1	1	0	0	0	0	0	0	0	178	2
22:00	0	144	13	0	0	1	0	0	0	0	0	0	0	158	1
23:00	0	105	9	1	0	1	0	0	0	0	0	0	0	116	2
<b>Total</b>	<b>36</b>	<b>5744</b>	<b>1204</b>	<b>59</b>	<b>133</b>	<b>25</b>	<b>1</b>	<b>22</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7238</b>	<b>254</b>
<b>Percent</b>	<b>0.5%</b>	<b>79.4%</b>	<b>16.6%</b>	<b>0.8%</b>	<b>1.8%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.5%</b>
<b>AM Peak Vol.</b>	<b>3</b>	<b>336</b>	<b>76</b>	<b>15</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>1</b>				<b>430</b>	<b>23</b>
<b>PM Peak Vol.</b>	<b>6</b>	<b>435</b>	<b>94</b>	<b>18</b>	<b>12</b>	<b>4</b>		<b>2</b>	<b>1</b>	<b>1</b>			<b>1</b>	<b>542</b>	<b>35</b>
<b>Grand Total</b>	<b>65</b>	<b>11237</b>	<b>2335</b>	<b>122</b>	<b>281</b>	<b>42</b>	<b>1</b>	<b>40</b>	<b>16</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14144</b>	<b>507</b>
<b>Percent</b>	<b>0.5%</b>	<b>79.4%</b>	<b>16.5%</b>	<b>0.9%</b>	<b>2.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.3%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.6%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/18/1															
3	0	104	11	1	3	0	0	0	0	0	0	0	0	119	4
01:00	1	60	10	0	1	0	0	0	0	0	0	0	0	72	1
02:00	0	41	6	0	1	0	0	0	0	0	0	0	0	48	1
03:00	0	32	6	0	4	0	0	0	0	0	0	0	0	42	4
04:00	0	76	15	0	3	0	0	0	1	0	0	0	0	95	4
05:00	0	223	58	0	7	0	0	1	0	0	0	0	0	289	8
06:00	0	481	120	25	9	2	0	1	0	0	0	0	0	638	37
07:00	2	559	143	17	21	6	0	1	3	0	0	0	0	752	48
08:00	2	569	134	4	24	2	0	2	0	1	0	0	0	738	33
09:00	2	553	126	1	25	1	0	3	2	0	0	0	0	713	32
10:00	4	562	133	6	28	4	0	4	1	0	0	0	0	742	43
11:00	6	590	127	6	20	1	0	3	0	0	0	0	0	753	30
12 PM	2	643	147	7	29	2	0	0	1	0	0	0	0	831	39
13:00	3	734	153	17	27	5	0	0	2	0	0	0	0	941	51
14:00	4	712	175	19	19	3	1	3	1	0	0	0	0	937	46
15:00	6	834	202	11	24	6	0	3	0	0	0	0	0	1086	44
16:00	7	947	197	7	23	2	0	3	0	0	0	0	0	1186	35
17:00	6	881	157	3	21	5	0	1	0	0	0	0	0	1074	30
18:00	9	782	158	1	15	3	0	1	0	0	0	0	0	969	20
19:00	3	730	136	2	11	0	0	1	1	0	0	0	0	884	15
20:00	5	543	110	1	6	1	0	5	0	0	0	0	0	671	13
21:00	2	418	53	0	6	1	0	0	0	0	0	0	0	480	7
22:00	4	314	37	0	5	0	0	0	0	1	0	0	0	361	6
23:00	0	232	27	1	2	0	0	0	0	0	0	0	0	262	3
Total	68	11620	2441	129	334	44	1	32	12	2	0	0	0	14683	554
Percent	0.5%	79.1%	16.6%	0.9%	2.3%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.8%
AM Peak	11:00	11:00	07:00	06:00	10:00	07:00		10:00	07:00	08:00				11:00	07:00
Vol.	6	590	143	25	28	6		4	3	1				753	48
PM Peak	18:00	16:00	15:00	14:00	12:00	15:00	14:00	20:00	13:00	22:00				16:00	13:00
Vol.	9	947	202	19	29	6	1	5	2	1				1186	51



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13243  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Forest Ave, east of Ash 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	Truck Total
09/19/1															
3	1	99	19	0	2	0	0	0	0	0	0	0	0	121	2
01:00	0	75	17	0	1	1	0	0	0	0	0	0	0	94	2
02:00	0	41	7	0	2	0	0	0	0	0	0	0	0	50	2
03:00	0	42	7	0	2	0	0	0	0	0	0	0	0	51	2
04:00	1	67	17	0	1	1	0	0	1	0	0	0	0	88	3
05:00	1	242	63	1	7	0	0	0	0	0	0	0	0	314	8
06:00	5	446	107	24	16	1	0	2	0	1	0	0	0	602	44
07:00	0	571	139	20	22	1	0	3	0	0	0	0	0	756	46
08:00	1	581	131	7	18	3	0	3	0	0	0	0	0	744	31
09:00	0	563	141	3	23	4	0	5	3	0	0	0	0	742	38
10:00	1	536	151	4	24	4	1	3	1	0	0	0	0	725	37
11:00	3	632	122	4	22	5	0	3	2	0	0	0	0	793	36
12 PM	2	660	156	2	14	3	0	2	3	0	0	0	0	842	24
13:00	2	702	160	21	24	7	0	2	1	1	0	0	0	920	56
14:00	14	810	171	21	21	8	0	2	0	0	0	0	1	1048	53
15:00	14	883	173	7	25	9	0	2	1	1	0	0	0	1115	45
16:00	14	903	199	3	22	1	0	1	2	0	0	0	1	1146	30
17:00	8	964	169	2	15	7	0	1	0	0	0	0	0	1166	25
18:00	5	899	147	1	14	3	0	3	3	0	0	0	0	1075	24
19:00	7	732	121	1	9	5	0	0	1	0	0	0	0	876	16
20:00	7	609	117	2	4	0	0	1	0	0	0	0	0	740	7
21:00	4	401	59	0	3	1	0	0	0	0	0	0	0	468	4
22:00	2	363	38	0	2	2	0	1	0	0	0	0	0	408	5
23:00	0	251	35	1	2	1	0	1	0	0	0	0	0	291	5
Total	92	12072	2466	124	295	67	1	35	18	3	0	0	2	15175	545
Percent	0.6%	79.6%	16.3%	0.8%	1.9%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.6%
AM Peak	06:00	11:00	10:00	06:00	10:00	11:00	10:00	09:00	09:00	06:00				11:00	07:00
Vol.	5	632	151	24	24	5	1	5	3	1				793	46
PM Peak	14:00	17:00	16:00	13:00	15:00	15:00		18:00	12:00	13:00			14:00	17:00	13:00
Vol.	14	964	199	21	25	9		3	3	1			1	1166	56
Grand Total	160	23692	4907	253	629	111	2	67	30	5	0	0	2	29858	1099
Percent	0.5%	79.3%	16.4%	0.8%	2.1%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.7%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

Start Time	23-Sep-13		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	*	*	*	*	13	22	16	32	*	*	*	*	*	*	14	27
01:00	*	*	*	*	8	6	5	14	*	*	*	*	*	*	6	10
02:00	*	*	*	*	2	8	4	12	*	*	*	*	*	*	3	10
03:00	*	*	*	*	12	7	8	6	*	*	*	*	*	*	10	6
04:00	*	*	*	*	14	9	10	10	*	*	*	*	*	*	12	10
05:00	*	*	*	*	45	18	52	17	*	*	*	*	*	*	48	18
06:00	*	*	*	*	120	56	119	53	*	*	*	*	*	*	120	54
07:00	*	*	*	*	125	153	120	158	*	*	*	*	*	*	122	156
08:00	*	*	*	*	139	97	143	99	*	*	*	*	*	*	141	98
09:00	*	*	*	*	107	106	112	89	*	*	*	*	*	*	110	98
10:00	*	*	*	*	117	107	112	98	*	*	*	*	*	*	114	102
11:00	*	*	*	*	108	113	126	129	*	*	*	*	*	*	117	121
12:00 PM	*	*	*	*	123	129	117	151	*	*	*	*	*	*	120	140
01:00	*	*	*	*	136	137	122	130	*	*	*	*	*	*	129	134
02:00	*	*	*	*	122	166	129	155	*	*	*	*	*	*	126	160
03:00	*	*	*	*	143	213	133	204	*	*	*	*	*	*	138	208
04:00	*	*	*	*	173	230	137	209	*	*	*	*	*	*	155	220
05:00	*	*	*	*	155	219	149	223	*	*	*	*	*	*	152	221
06:00	*	*	*	*	150	205	130	185	*	*	*	*	*	*	140	195
07:00	*	*	*	*	89	192	124	193	*	*	*	*	*	*	106	192
08:00	*	*	*	*	68	137	77	148	*	*	*	*	*	*	72	142
09:00	*	*	*	*	58	113	54	128	*	*	*	*	*	*	56	120
10:00	*	*	*	*	35	82	43	72	*	*	*	*	*	*	39	77
11:00	*	*	*	*	26	54	22	75	*	*	*	*	*	*	24	64
Total Day	0	0	0	0	2088	2579	2064	2590	0	0	0	0	0	0	2074	2583
AM Peak	-	-	-	-	08:00	07:00	08:00	07:00	-	-	-	-	-	-	08:00	07:00
Vol.	-	-	-	-	139	153	143	158	-	-	-	-	-	-	141	156
PM Peak	-	-	-	-	16:00	16:00	17:00	17:00	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	-	-	173	230	149	223	-	-	-	-	-	-	155	221

Comb. Total                      0                      0                      4667                      4654                      0                      0                      0                      4657

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

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

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

Start Time	25-Sep-13 Wed		NB		SB		Combined		26-Sep Thu	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	5	25	6	27	11	52	5	30	12	33	17	63			
12:15	4	28	9	39	13	67	6	37	4	41	10	78			
12:30	3	36	4	28	7	64	5	20	10	51	15	71			
12:45	1	34	3	35	4	69	0	30	6	26	6	56			
01:00	3	35	2	27	5	62	3	38	7	38	10	76			
01:15	4	32	2	44	6	76	0	27	4	24	4	51			
01:30	1	39	1	37	2	76	2	24	1	31	3	55			
01:45	0	30	1	29	1	59	0	33	2	37	2	70			
02:00	1	23	1	26	2	49	0	31	8	34	8	65			
02:15	0	26	6	46	6	72	1	33	0	35	1	68			
02:30	0	36	1	42	1	78	2	21	2	55	4	76			
02:45	1	37	0	52	1	89	1	44	2	31	3	75			
03:00	1	20	2	53	3	73	1	31	0	51	1	82			
03:15	3	43	0	49	3	92	1	37	2	50	3	87			
03:30	4	34	1	44	5	78	2	34	4	50	6	84			
03:45	4	46	4	67	8	113	4	31	0	53	4	84			
04:00	2	41	2	56	4	97	0	42	0	47	0	89			
04:15	0	41	2	43	2	84	3	34	2	50	5	84			
04:30	5	<b>38</b>	0	<b>62</b>	5	<b>100</b>	6	29	4	<b>55</b>	10	84			
04:45	7	<b>53</b>	5	<b>69</b>	12	<b>122</b>	1	32	4	<b>57</b>	5	<b>89</b>			
05:00	11	<b>44</b>	2	<b>54</b>	13	<b>98</b>	9	<b>45</b>	2	<b>52</b>	11	<b>97</b>			
05:15	8	<b>45</b>	4	<b>58</b>	12	<b>103</b>	6	<b>33</b>	6	<b>60</b>	12	<b>93</b>			
05:30	16	38	6	60	22	98	17	<b>38</b>	4	55	21	<b>93</b>			
05:45	10	28	6	47	16	75	20	<b>33</b>	5	56	25	89			
06:00	25	41	10	61	35	102	22	35	9	46	31	81			
06:15	22	38	8	49	30	87	19	30	6	52	25	82			
06:30	33	38	7	49	40	87	37	23	8	42	45	65			
06:45	40	33	31	46	71	79	41	42	30	45	<b>71</b>	87			
07:00	33	25	<b>40</b>	52	<b>73</b>	77	34	40	<b>36</b>	46	<b>70</b>	86			
07:15	21	23	<b>33</b>	51	<b>54</b>	74	19	29	<b>44</b>	57	<b>63</b>	86			
07:30	34	23	<b>38</b>	46	<b>72</b>	69	36	24	<b>39</b>	43	<b>75</b>	67			
07:45	<b>37</b>	18	<b>42</b>	43	<b>79</b>	61	31	31	<b>39</b>	47	70	78			
08:00	<b>34</b>	21	32	40	66	61	<b>37</b>	21	30	47	67	68			
08:15	<b>33</b>	20	17	33	50	53	<b>36</b>	20	25	34	61	54			
08:30	<b>39</b>	14	18	31	57	45	<b>38</b>	22	18	31	56	53			
08:45	33	13	30	33	63	46	<b>32</b>	14	26	36	58	50			
09:00	28	13	38	29	66	42	34	14	28	36	62	50			
09:15	33	19	29	32	62	51	23	12	17	36	40	48			
09:30	21	12	17	30	38	42	23	19	23	35	46	54			
09:45	25	14	22	22	47	36	32	9	21	21	53	30			
10:00	21	8	29	30	50	38	27	13	21	31	48	44			
10:15	24	11	22	16	46	27	32	9	25	15	57	24			
10:30	35	10	34	17	69	27	26	15	24	16	50	31			
10:45	37	6	22	19	59	25	27	6	28	10	55	16			
11:00	27	9	26	10	53	19	31	2	27	29	58	31			
11:15	30	7	28	6	58	13	29	11	30	11	59	22			
11:30	23	7	29	21	52	28	33	5	24	22	57	27			
11:45	28	3	30	17	58	20	33	4	48	13	81	17			
Total	810	1278	702	1877	1512	3155	827	1237	717	1873	1544	3110			
Day Total	2088		2579		4667		2064		2590		4654				
% Total	17.4%	27.4%	15.0%	40.2%			17.8%	26.6%	15.4%	40.2%					
Peak	-	07:45	04:30	07:00	04:30	07:00	04:30	-	08:00	05:00	07:00	04:30	06:45	04:45	
Vol.	-	143	180	153	243	278	423	-	143	149	158	224	279	372	
P.H.F.		0.917	0.849	0.911	0.880	0.880	0.867		0.941	0.828	0.898	0.933	0.930	0.959	

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

Start Time	23-Sep-13 Mon	24-Sep-13 Tue	25-Sep-13 Wed	26-Sep-13 Thu	27-Sep-13 Fri	28-Sep-13 Sat	29-Sep-13 Sun	Week Average
12:00 AM	*	*	35	48	*	*	*	42
01:00	*	*	14	19	*	*	*	16
02:00	*	*	10	16	*	*	*	13
03:00	*	*	19	14	*	*	*	16
04:00	*	*	23	20	*	*	*	22
05:00	*	*	63	69	*	*	*	66
06:00	*	*	176	172	*	*	*	174
07:00	*	*	<b>278</b>	<b>278</b>	*	*	*	<b>278</b>
08:00	*	*	236	242	*	*	*	239
09:00	*	*	213	201	*	*	*	207
10:00	*	*	224	210	*	*	*	217
11:00	*	*	221	255	*	*	*	238
12:00 PM	*	*	252	268	*	*	*	260
01:00	*	*	273	252	*	*	*	262
02:00	*	*	288	284	*	*	*	286
03:00	*	*	356	337	*	*	*	346
04:00	*	*	<b>403</b>	346	*	*	*	<b>374</b>
05:00	*	*	374	<b>372</b>	*	*	*	373
06:00	*	*	355	315	*	*	*	335
07:00	*	*	281	317	*	*	*	299
08:00	*	*	205	225	*	*	*	215
09:00	*	*	171	182	*	*	*	176
10:00	*	*	117	115	*	*	*	116
11:00	*	*	80	97	*	*	*	88
Total	0	0	4667	4654	0	0	0	4658
Percentage	0.0%	0.0%	100.2%	99.9%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	07:00
Vol.	-	-	278	278	-	-	-	278
PM Peak	-	-	16:00	17:00	-	-	-	16:00
Vol.	-	-	403	372	-	-	-	374

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/25/1																
3	0	0	0	1	7	1	2	1	1	0	0	0	0	0	0	13
01:00	0	0	1	2	1	4	0	0	0	0	0	0	0	0	0	8
02:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	1	5	3	2	0	0	0	0	0	0	0	0	12
04:00	0	0	2	6	4	2	0	0	0	0	0	0	0	0	0	14
05:00	0	0	1	6	18	15	3	2	0	0	0	0	0	0	0	45
06:00	1	4	6	25	52	22	9	1	0	0	0	0	0	0	0	120
07:00	4	2	9	20	54	26	9	1	0	0	0	0	0	0	0	125
08:00	3	3	11	36	48	31	7	0	0	0	0	0	0	0	0	139
09:00	3	5	8	12	31	35	8	4	1	0	0	0	0	0	0	107
10:00	5	1	6	28	43	31	3	0	0	0	0	0	0	0	0	117
11:00	1	3	1	30	46	20	6	1	0	0	0	0	0	0	0	108
12 PM	4	2	9	25	49	27	6	1	0	0	0	0	0	0	0	123
13:00	6	1	11	32	54	22	8	2	0	0	0	0	0	0	0	136
14:00	5	2	3	24	56	29	3	0	0	0	0	0	0	0	0	122
15:00	2	5	8	40	59	27	2	0	0	0	0	0	0	0	0	143
16:00	13	6	16	47	60	24	5	2	0	0	0	0	0	0	0	173
17:00	3	5	10	34	69	27	7	0	0	0	0	0	0	0	0	155
18:00	2	6	11	48	52	26	5	0	0	0	0	0	0	0	0	150
19:00	1	4	12	27	29	12	3	0	0	0	1	0	0	0	0	89
20:00	1	2	4	18	24	18	1	0	0	0	0	0	0	0	0	68
21:00	1	0	1	18	25	11	1	1	0	0	0	0	0	0	0	58
22:00	0	2	2	4	22	4	1	0	0	0	0	0	0	0	0	35
23:00	0	0	1	7	8	8	1	1	0	0	0	0	0	0	0	26
<b>Total</b>	<b>55</b>	<b>53</b>	<b>134</b>	<b>491</b>	<b>817</b>	<b>426</b>	<b>92</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2088</b>

Daily

15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 1240  
 Percent in Pace : 59.4%  
 Number of Vehicles > 30 MPH : 1355  
 Percent of Vehicles > 30 MPH : 64.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/26/13	0	0	1	4	7	4	0	0	0	0	0	0	0	0	0	16
01:00	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	2	1	0	1	0	0	0	0	0	0	0	0	4
03:00	0	0	1	0	2	2	2	1	0	0	0	0	0	0	0	8
04:00	0	0	2	2	3	1	2	0	0	0	0	0	0	0	0	10
05:00	0	0	3	9	19	14	6	1	0	0	0	0	0	0	0	52
06:00	2	2	4	41	37	28	5	0	0	0	0	0	0	0	0	119
07:00	3	3	3	22	58	29	2	0	0	0	0	0	0	0	0	120
08:00	5	2	15	32	53	28	8	0	0	0	0	0	0	0	0	143
09:00	0	6	3	16	51	31	4	1	0	0	0	0	0	0	0	112
10:00	5	2	5	28	45	22	3	2	0	0	0	0	0	0	0	112
11:00	4	1	10	31	53	24	3	0	0	0	0	0	0	0	0	126
12 PM	7	2	10	18	42	31	7	0	0	0	0	0	0	0	0	117
13:00	3	1	5	41	47	18	7	0	0	0	0	0	0	0	0	122
14:00	6	1	6	41	41	30	4	0	0	0	0	0	0	0	0	129
15:00	4	4	7	39	50	23	4	1	0	0	1	0	0	0	0	133
16:00	9	3	9	46	41	27	2	0	0	0	0	0	0	0	0	137
17:00	11	4	10	38	65	15	6	0	0	0	0	0	0	0	0	149
18:00	1	7	8	31	58	22	2	1	0	0	0	0	0	0	0	130
19:00	3	2	7	46	48	16	1	1	0	0	0	0	0	0	0	124
20:00	0	2	8	19	29	16	3	0	0	0	0	0	0	0	0	77
21:00	2	1	0	13	27	10	1	0	0	0	0	0	0	0	0	54
22:00	1	1	3	12	16	7	2	1	0	0	0	0	0	0	0	43
23:00	0	0	0	1	13	7	0	1	0	0	0	0	0	0	0	22
<b>Total</b>	<b>66</b>	<b>44</b>	<b>120</b>	<b>532</b>	<b>809</b>	<b>407</b>	<b>75</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2064</b>

Daily

- 15th Percentile : 24 MPH
- 50th Percentile : 31 MPH
- 85th Percentile : 37 MPH
- 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH

10 MPH Pace Speed : 28-37 MPH

- Number in Pace : 1246
- Percent in Pace : 60.4%
- Number of Vehicles > 30 MPH : 1302
- Percent of Vehicles > 30 MPH : 63.1%

Grand Total	121	97	254	1023	1626	833	167	27	2	0	2	0	0	0	0	4152
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Overall

- 15th Percentile : 24 MPH
- 50th Percentile : 31 MPH
- 85th Percentile : 37 MPH
- 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH

10 MPH Pace Speed : 28-37 MPH

- Number in Pace : 2486
- Percent in Pace : 59.9%
- Number of Vehicles > 30 MPH : 2657
- Percent of Vehicles > 30 MPH : 64.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**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
09/25/1															
3	0	1	0	6	11	4	0	0	0	0	0	0	0	0	22
01:00	0	0	0	2	2	1	1	0	0	0	0	0	0	0	6
02:00	0	0	1	0	4	1	2	0	0	0	0	0	0	0	8
03:00	0	1	1	0	2	2	0	1	0	0	0	0	0	0	7
04:00	1	0	1	2	3	1	1	0	0	0	0	0	0	0	9
05:00	0	0	2	3	10	1	2	0	0	0	0	0	0	0	18
06:00	2	3	3	9	22	13	3	1	0	0	0	0	0	0	56
07:00	12	8	9	35	49	36	3	1	0	0	0	0	0	0	153
08:00	3	2	6	15	38	23	9	1	0	0	0	0	0	0	97
09:00	1	2	8	13	35	35	11	1	0	0	0	0	0	0	106
10:00	1	2	4	10	50	32	6	1	1	0	0	0	0	0	107
11:00	2	5	14	20	36	29	4	2	1	0	0	0	0	0	113
12 PM	4	3	9	19	56	30	7	0	1	0	0	0	0	0	129
13:00	2	4	7	20	56	37	10	1	0	0	0	0	0	0	137
14:00	5	4	9	35	63	42	8	0	0	0	0	0	0	0	166
15:00	1	12	16	52	88	40	3	0	1	0	0	0	0	0	213
16:00	13	8	16	51	105	32	5	0	0	0	0	0	0	0	230
17:00	1	6	18	57	88	40	8	1	0	0	0	0	0	0	219
18:00	3	9	19	53	72	41	8	0	0	0	0	0	0	0	205
19:00	4	7	19	53	81	26	2	0	0	0	0	0	0	0	192
20:00	2	2	18	35	54	18	7	1	0	0	0	0	0	0	137
21:00	4	4	15	31	41	13	5	0	0	0	0	0	0	0	113
22:00	0	5	5	18	35	15	3	1	0	0	0	0	0	0	82
23:00	0	3	1	5	32	11	1	0	1	0	0	0	0	0	54
<b>Total</b>	<b>61</b>	<b>91</b>	<b>201</b>	<b>544</b>	<b>1033</b>	<b>523</b>	<b>109</b>	<b>12</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2579</b>

Daily

15th Percentile :	23 MPH
50th Percentile :	31 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH

Mean Speed(Average) :	31 MPH
10 MPH Pace Speed :	28-37 MPH
Number in Pace :	1513
Percent in Pace :	58.7%
Number of Vehicles > 30 MPH :	1682
Percent of Vehicles > 30 MPH :	65.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**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
09/26/1															
3	0	1	2	6	11	10	2	0	0	0	0	0	0	0	32
01:00	0	2	1	0	5	3	3	0	0	0	0	0	0	0	14
02:00	0	2	0	1	5	4	0	0	0	0	0	0	0	0	12
03:00	0	0	1	1	3	0	1	0	0	0	0	0	0	0	6
04:00	0	0	0	1	6	2	1	0	0	0	0	0	0	0	10
05:00	0	0	0	2	6	7	1	1	0	0	0	0	0	0	17
06:00	3	1	3	15	17	9	5	0	0	0	0	0	0	0	53
07:00	3	2	18	46	55	27	7	0	0	0	0	0	0	0	158
08:00	4	4	8	16	38	24	5	0	0	0	0	0	0	0	99
09:00	1	3	10	13	28	25	7	2	0	0	0	0	0	0	89
10:00	3	5	3	13	36	31	6	0	1	0	0	0	0	0	98
11:00	3	6	11	28	51	26	4	0	0	0	0	0	0	0	129
12 PM	6	4	6	25	45	57	7	1	0	0	0	0	0	0	151
13:00	1	6	7	24	49	34	6	3	0	0	0	0	0	0	130
14:00	4	4	6	40	62	33	5	1	0	0	0	0	0	0	155
15:00	0	5	16	55	76	44	8	0	0	0	0	0	0	0	204
16:00	4	8	12	35	87	53	10	0	0	0	0	0	0	0	209
17:00	6	11	19	70	69	42	5	1	0	0	0	0	0	0	223
18:00	2	3	17	34	88	37	2	2	0	0	0	0	0	0	185
19:00	4	5	17	67	64	30	4	2	0	0	0	0	0	0	193
20:00	1	6	17	39	57	23	5	0	0	0	0	0	0	0	148
21:00	7	6	9	25	48	26	7	0	0	0	0	0	0	0	128
22:00	2	2	4	17	35	11	1	0	0	0	0	0	0	0	72
23:00	4	4	6	13	33	12	2	1	0	0	0	0	0	0	75
<b>Total</b>	<b>58</b>	<b>90</b>	<b>193</b>	<b>586</b>	<b>974</b>	<b>570</b>	<b>104</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2590</b>

Daily  
 15th Percentile : 23 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 1501  
 Percent in Pace : 58.0%  
 Number of Vehicles > 30 MPH : 1663  
 Percent of Vehicles > 30 MPH : 64.2%

<b>Grand Total</b>	<b>119</b>	<b>181</b>	<b>394</b>	<b>1130</b>	<b>2007</b>	<b>1093</b>	<b>213</b>	<b>26</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5169</b>
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Overall  
 15th Percentile : 23 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 3014  
 Percent in Pace : 58.3%  
 Number of Vehicles > 30 MPH : 3345  
 Percent of Vehicles > 30 MPH : 64.7%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**NB, 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
09/25/1															
3	0	1	0	7	18	5	2	1	1	0	0	0	0	0	35
01:00	0	0	1	4	3	5	1	0	0	0	0	0	0	0	14
02:00	0	0	1	0	5	2	2	0	0	0	0	0	0	0	10
03:00	0	1	2	1	7	5	2	1	0	0	0	0	0	0	19
04:00	1	0	3	8	7	3	1	0	0	0	0	0	0	0	23
05:00	0	0	3	9	28	16	5	2	0	0	0	0	0	0	63
06:00	3	7	9	34	74	35	12	2	0	0	0	0	0	0	176
07:00	16	10	18	55	103	62	12	2	0	0	0	0	0	0	278
08:00	6	5	17	51	86	54	16	1	0	0	0	0	0	0	236
09:00	4	7	16	25	66	70	19	5	1	0	0	0	0	0	213
10:00	6	3	10	38	93	63	9	1	1	0	0	0	0	0	224
11:00	3	8	15	50	82	49	10	3	1	0	0	0	0	0	221
12 PM	8	5	18	44	105	57	13	1	1	0	0	0	0	0	252
13:00	8	5	18	52	110	59	18	3	0	0	0	0	0	0	273
14:00	10	6	12	59	119	71	11	0	0	0	0	0	0	0	288
15:00	3	17	24	92	147	67	5	0	1	0	0	0	0	0	356
16:00	26	14	32	98	165	56	10	2	0	0	0	0	0	0	403
17:00	4	11	28	91	157	67	15	1	0	0	0	0	0	0	374
18:00	5	15	30	101	124	67	13	0	0	0	0	0	0	0	355
19:00	5	11	31	80	110	38	5	0	0	0	1	0	0	0	281
20:00	3	4	22	53	78	36	8	1	0	0	0	0	0	0	205
21:00	5	4	16	49	66	24	6	1	0	0	0	0	0	0	171
22:00	0	7	7	22	57	19	4	1	0	0	0	0	0	0	117
23:00	0	3	2	12	40	19	2	1	1	0	0	0	0	0	80
<b>Total</b>	<b>116</b>	<b>144</b>	<b>335</b>	<b>1035</b>	<b>1850</b>	<b>949</b>	<b>201</b>	<b>29</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4667</b>

Daily  
     15th Percentile : 24 MPH  
     50th Percentile : 31 MPH  
     85th Percentile : 37 MPH  
     95th Percentile : 40 MPH  
  
     Mean Speed(Average) : 31 MPH  
     10 MPH Pace Speed : 28-37 MPH  
     Number in Pace : 2753  
     Percent in Pace : 59.0%  
     Number of Vehicles > 30 MPH : 3037  
     Percent of Vehicles > 30 MPH : 65.1%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**NB, SB**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/26/13	0	1	3	10	18	14	2	0	0	0	0	0	0	0	48
01:00	0	2	1	0	8	5	3	0	0	0	0	0	0	0	19
02:00	0	2	0	3	6	4	1	0	0	0	0	0	0	0	16
03:00	0	0	2	1	5	2	3	1	0	0	0	0	0	0	14
04:00	0	0	2	3	9	3	3	0	0	0	0	0	0	0	20
05:00	0	0	3	11	25	21	7	2	0	0	0	0	0	0	69
06:00	5	3	7	56	54	37	10	0	0	0	0	0	0	0	172
07:00	6	5	21	68	113	56	9	0	0	0	0	0	0	0	278
08:00	9	6	23	48	91	52	13	0	0	0	0	0	0	0	242
09:00	1	9	13	29	79	56	11	3	0	0	0	0	0	0	201
10:00	8	7	8	41	81	53	9	2	1	0	0	0	0	0	210
11:00	7	7	21	59	104	50	7	0	0	0	0	0	0	0	255
12 PM	13	6	16	43	87	88	14	1	0	0	0	0	0	0	268
13:00	4	7	12	65	96	52	13	3	0	0	0	0	0	0	252
14:00	10	5	12	81	103	63	9	1	0	0	0	0	0	0	284
15:00	4	9	23	94	126	67	12	1	0	0	1	0	0	0	337
16:00	13	11	21	81	128	80	12	0	0	0	0	0	0	0	346
17:00	17	15	29	108	134	57	11	1	0	0	0	0	0	0	372
18:00	3	10	25	65	146	59	4	3	0	0	0	0	0	0	315
19:00	7	7	24	113	112	46	5	3	0	0	0	0	0	0	317
20:00	1	8	25	58	86	39	8	0	0	0	0	0	0	0	225
21:00	9	7	9	38	75	36	8	0	0	0	0	0	0	0	182
22:00	3	3	7	29	51	18	3	1	0	0	0	0	0	0	115
23:00	4	4	6	14	46	19	2	2	0	0	0	0	0	0	97
<b>Total</b>	<b>124</b>	<b>134</b>	<b>313</b>	<b>1118</b>	<b>1783</b>	<b>977</b>	<b>179</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4654</b>

Daily  
 15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 2747  
 Percent in Pace : 59.0%  
 Number of Vehicles > 30 MPH : 2965  
 Percent of Vehicles > 30 MPH : 63.7%

<b>Grand Total</b>	<b>240</b>	<b>278</b>	<b>648</b>	<b>2153</b>	<b>3633</b>	<b>1926</b>	<b>380</b>	<b>53</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9321</b>
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Overall  
 15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 5500  
 Percent in Pace : 59.0%  
 Number of Vehicles > 30 MPH : 6002  
 Percent of Vehicles > 30 MPH : 64.4%





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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

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	Truck Total
09/25/1															
3	0	19	3	0	0	0	0	0	0	0	0	0	0	22	0
01:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7	0
04:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9	1
05:00	0	13	4	0	1	0	0	0	0	0	0	0	0	18	1
06:00	0	34	17	1	4	0	0	0	0	0	0	0	0	56	5
07:00	1	100	40	4	7	0	0	1	0	0	0	0	0	153	12
08:00	1	63	27	1	4	1	0	0	0	0	0	0	0	97	6
09:00	0	75	23	1	7	0	0	0	0	0	0	0	0	106	8
10:00	0	74	30	0	3	0	0	0	0	0	0	0	0	107	3
11:00	1	84	23	2	3	0	0	0	0	0	0	0	0	113	5
12 PM	1	89	32	0	7	0	0	0	0	0	0	0	0	129	7
13:00	0	105	27	0	4	0	0	0	1	0	0	0	0	137	5
14:00	0	125	37	0	4	0	0	0	0	0	0	0	0	166	4
15:00	0	153	46	2	10	1	0	0	1	0	0	0	0	213	14
16:00	3	167	47	1	11	1	0	0	0	0	0	0	0	230	13
17:00	1	175	33	0	8	0	0	2	0	0	0	0	0	219	10
18:00	0	161	34	0	10	0	0	0	0	0	0	0	0	205	10
19:00	0	162	28	0	2	0	0	0	0	0	0	0	0	192	2
20:00	2	110	23	0	2	0	0	0	0	0	0	0	0	137	2
21:00	0	89	20	0	4	0	0	0	0	0	0	0	0	113	4
22:00	0	68	13	0	1	0	0	0	0	0	0	0	0	82	1
23:00	0	45	8	0	1	0	0	0	0	0	0	0	0	54	1
Total	10	1938	517	12	94	3	0	3	2	0	0	0	0	2579	114
Percent	0.4%	75.1%	20.0%	0.5%	3.6%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		4.4%
AM Peak Vol.	07:00	07:00	07:00	07:00	07:00	08:00		07:00						07:00	07:00
PM Peak Vol.	16:00	17:00	16:00	15:00	16:00	15:00		17:00	13:00					16:00	15:00
AM Peak Vol.	1	100	40	4	7	1		1						153	12
PM Peak Vol.	3	175	47	2	11	1		2	1					230	14

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

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	Truck Total
09/26/1															
3	0	30	2	0	0	0	0	0	0	0	0	0	0	32	0
01:00	0	13	0	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12	0
03:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
05:00	0	12	4	0	1	0	0	0	0	0	0	0	0	17	1
06:00	1	38	12	1	1	0	0	0	0	0	0	0	0	53	2
07:00	0	104	41	3	9	0	0	1	0	0	0	0	0	158	13
08:00	0	70	21	2	6	0	0	0	0	0	0	0	0	99	8
09:00	2	67	15	0	5	0	0	0	0	0	0	0	0	89	5
10:00	0	70	23	1	3	1	0	0	0	0	0	0	0	98	5
11:00	1	95	26	0	7	0	0	0	0	0	0	0	0	129	7
12 PM	0	104	38	0	9	0	0	0	0	0	0	0	0	151	9
13:00	0	94	28	0	8	0	0	0	0	0	0	0	0	130	8
14:00	2	108	35	1	7	0	0	1	1	0	0	0	0	155	10
15:00	1	144	42	2	14	0	0	1	0	0	0	0	0	204	17
16:00	2	156	39	0	10	1	0	1	0	0	0	0	0	209	12
17:00	2	162	46	0	12	0	0	1	0	0	0	0	0	223	13
18:00	1	140	30	1	12	0	0	1	0	0	0	0	0	185	14
19:00	0	148	35	1	8	1	0	0	0	0	0	0	0	193	10
20:00	0	128	17	0	3	0	0	0	0	0	0	0	0	148	3
21:00	0	108	16	0	4	0	0	0	0	0	0	0	0	128	4
22:00	0	60	10	0	2	0	0	0	0	0	0	0	0	72	2
23:00	0	66	9	0	0	0	0	0	0	0	0	0	0	75	0
Total	12	1941	493	12	122	3	0	6	1	0	0	0	0	2590	144
Percent	0.5%	74.9%	19.0%	0.5%	4.7%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak	09:00	07:00	07:00	07:00	07:00	10:00		07:00						07:00	07:00
Vol.	2	104	41	3	9	1		1						158	13
PM Peak	14:00	17:00	17:00	15:00	15:00	16:00		14:00	14:00					17:00	15:00
Vol.	2	162	46	2	14	1		1	1					223	17
Grand Total	22	3879	1010	24	216	6	0	9	3	0	0	0	0	5169	258
Percent	0.4%	75.0%	19.5%	0.5%	4.2%	0.1%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		5.0%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**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	Truck Total
09/25/1															
3	0	30	5	0	0	0	0	0	0	0	0	0	0	35	0
01:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
03:00	0	18	1	0	0	0	0	0	0	0	0	0	0	19	0
04:00	0	17	4	0	1	0	0	0	1	0	0	0	0	23	2
05:00	0	49	11	0	3	0	0	0	0	0	0	0	0	63	3
06:00	1	121	44	1	9	0	0	0	0	0	0	0	0	176	10
07:00	1	202	59	4	10	1	0	1	0	0	0	0	0	278	16
08:00	1	170	48	4	11	1	0	1	0	0	0	0	0	236	17
09:00	0	161	43	1	8	0	0	0	0	0	0	0	0	213	9
10:00	0	158	53	4	9	0	0	0	0	0	0	0	0	224	13
11:00	1	172	40	2	6	0	0	0	0	0	0	0	0	221	8
12 PM	1	191	51	0	9	0	0	0	0	0	0	0	0	252	9
13:00	0	215	48	0	9	0	0	0	1	0	0	0	0	273	10
14:00	0	216	61	2	9	0	0	0	0	0	0	0	0	288	11
15:00	1	269	65	5	14	1	0	0	1	0	0	0	0	356	21
16:00	4	299	80	1	17	2	0	0	0	0	0	0	0	403	20
17:00	1	302	57	0	12	0	0	2	0	0	0	0	0	374	14
18:00	1	282	59	0	13	0	0	0	0	0	0	0	0	355	13
19:00	0	234	44	0	3	0	0	0	0	0	0	0	0	281	3
20:00	2	171	30	0	2	0	0	0	0	0	0	0	0	205	2
21:00	0	136	31	0	4	0	0	0	0	0	0	0	0	171	4
22:00	0	101	15	0	1	0	0	0	0	0	0	0	0	117	1
23:00	0	69	10	0	1	0	0	0	0	0	0	0	0	80	1
Total	14	3603	863	24	151	5	0	4	3	0	0	0	0	4667	187
Percent	0.3%	77.2%	18.5%	0.5%	3.2%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		4.0%
AM Peak	06:00	07:00	07:00	07:00	08:00	07:00		07:00	04:00					07:00	08:00
Vol.	1	202	59	4	11	1		1	1					278	17
PM Peak	16:00	17:00	16:00	15:00	16:00	16:00		17:00	13:00					16:00	15:00
Vol.	4	302	80	5	17	2		2	1					403	21

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 13208  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 25-Sep-13  
 Date End: 26-Sep-13  
 Bouve Ave, south of Forest Ave

**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	Truck Total
09/26/1															
3	0	45	3	0	0	0	0	0	0	0	0	0	0	48	0
01:00	0	18	0	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	15	1	0	0	0	0	0	0	0	0	0	0	16	0
03:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
04:00	0	14	5	0	0	0	0	0	1	0	0	0	0	20	1
05:00	0	55	12	0	2	0	0	0	0	0	0	0	0	69	2
06:00	2	123	39	1	6	0	0	1	0	0	0	0	0	172	8
07:00	0	200	61	3	12	0	0	2	0	0	0	0	0	278	17
08:00	1	174	51	4	11	0	0	1	0	0	0	0	0	242	16
09:00	2	152	39	0	8	0	0	0	0	0	0	0	0	201	8
10:00	0	159	43	1	6	1	0	0	0	0	0	0	0	210	8
11:00	1	195	45	3	9	1	0	1	0	0	0	0	0	255	14
12 PM	1	202	50	2	12	1	0	0	0	0	0	0	0	268	15
13:00	1	180	53	5	12	0	0	1	0	0	0	0	0	252	18
14:00	3	207	59	3	9	1	0	1	1	0	0	0	0	284	15
15:00	1	248	67	4	16	0	0	1	0	0	0	0	0	337	21
16:00	2	265	63	0	14	1	0	1	0	0	0	0	0	346	16
17:00	2	277	76	0	16	0	0	1	0	0	0	0	0	372	17
18:00	2	245	47	1	19	0	0	1	0	0	0	0	0	315	21
19:00	0	246	59	1	10	1	0	0	0	0	0	0	0	317	12
20:00	0	197	24	0	4	0	0	0	0	0	0	0	0	225	4
21:00	0	155	21	0	6	0	0	0	0	0	0	0	0	182	6
22:00	1	94	18	0	2	0	0	0	0	0	0	0	0	115	2
23:00	0	85	12	0	0	0	0	0	0	0	0	0	0	97	0
<b>Total</b>	19	3563	850	28	175	6	0	11	2	0	0	0	0	4654	222
<b>Percent</b>	0.4%	76.6%	18.3%	0.6%	3.8%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		4.8%
<b>AM Peak</b>	06:00	07:00	07:00	08:00	07:00	10:00		07:00	04:00					07:00	07:00
<b>Vol.</b>	2	200	61	4	12	1		2	1					278	17
<b>PM Peak</b>	14:00	17:00	17:00	13:00	18:00	12:00		13:00	14:00					17:00	15:00
<b>Vol.</b>	3	277	76	5	19	1		1	1					372	21
<b>Grand Total</b>	33	7166	1713	52	326	11	0	15	5	0	0	0	0	9321	409
<b>Percent</b>	0.4%	76.9%	18.4%	0.6%	3.5%	0.1%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		4.4%



**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

Start Time	16-Sep-13		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	*	*	*	*	17	16	18	19	*	*	*	*	*	*	18	18
01:00	*	*	*	*	3	3	7	4	*	*	*	*	*	*	5	4
02:00	*	*	*	*	4	5	4	6	*	*	*	*	*	*	4	6
03:00	*	*	*	*	5	7	4	6	*	*	*	*	*	*	4	6
04:00	*	*	*	*	11	20	10	22	*	*	*	*	*	*	10	21
05:00	*	*	*	*	34	37	36	49	*	*	*	*	*	*	35	43
06:00	*	*	*	*	103	108	103	108	*	*	*	*	*	*	103	108
07:00	*	*	*	*	205	186	192	190	*	*	*	*	*	*	198	188
08:00	*	*	*	*	<b>227</b>	<b>226</b>	<b>233</b>	<b>208</b>	*	*	*	*	*	*	<b>230</b>	<b>217</b>
09:00	*	*	*	*	209	119	181	120	*	*	*	*	*	*	195	120
10:00	*	*	*	*	147	137	128	128	*	*	*	*	*	*	138	132
11:00	*	*	*	*	173	146	155	136	*	*	*	*	*	*	164	141
12:00 PM	*	*	*	*	162	144	154	143	*	*	*	*	*	*	158	144
01:00	*	*	*	*	192	164	181	152	*	*	*	*	*	*	186	158
02:00	*	*	*	*	218	219	190	204	*	*	*	*	*	*	204	212
03:00	*	*	*	*	<b>282</b>	<b>277</b>	229	<b>281</b>	*	*	*	*	*	*	<b>256</b>	<b>279</b>
04:00	*	*	*	*	230	275	228	266	*	*	*	*	*	*	229	270
05:00	*	*	*	*	246	228	<b>259</b>	224	*	*	*	*	*	*	252	226
06:00	*	*	*	*	178	171	211	170	*	*	*	*	*	*	194	170
07:00	*	*	*	*	118	144	105	153	*	*	*	*	*	*	112	148
08:00	*	*	*	*	97	128	86	152	*	*	*	*	*	*	92	140
09:00	*	*	*	*	61	97	55	74	*	*	*	*	*	*	58	86
10:00	*	*	*	*	35	37	39	38	*	*	*	*	*	*	37	38
11:00	*	*	*	*	33	27	23	29	*	*	*	*	*	*	28	28
Total Day	0	0	0	0	2990	2921	2831	2882	0	0	0	0	0	0	2910	2903
AM Peak	-	-	-	-	08:00	08:00	08:00	08:00	-	-	-	-	-	-	08:00	08:00
Vol.	-	-	-	-	227	226	233	208	-	-	-	-	-	-	230	217
PM Peak	-	-	-	-	15:00	15:00	17:00	15:00	-	-	-	-	-	-	15:00	15:00
Vol.	-	-	-	-	282	277	259	281	-	-	-	-	-	-	256	279

Comb. Total	0	0	5911	5713	0	0	0	5813
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**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
**www.ocpcrpa.org**

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

Start Time	18-Sep-13		NB		SB		Combined		19-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			10	43	7	29	17	72			10	39	4	35	14	74
12:15			2	28	4	37	6	65			3	36	8	36	11	72
12:30			2	42	2	45	4	87			5	42	2	36	7	78
12:45			3	49	3	33	6	82			0	37	5	36	5	73
01:00			0	50	2	42	2	92			0	40	0	30	0	70
01:15			1	36	0	47	1	83			2	51	3	40	5	91
01:30			1	53	0	28	1	81			3	37	0	34	3	71
01:45			1	53	1	47	2	100			2	53	1	48	3	101
02:00			1	48	0	48	1	96			0	40	1	49	1	89
02:15			1	53	1	40	2	93			0	52	1	48	1	100
02:30			1	61	1	60	2	121			3	45	1	43	4	88
02:45			1	56	3	71	4	127			1	53	3	64	4	117
03:00			2	44	2	82	4	126			2	38	2	83	4	121
03:15			1	51	2	73	3	124			0	64	2	77	2	141
03:30			0	122	1	61	1	183			1	81	2	62	3	143
03:45			2	65	2	61	4	126			1	46	0	59	1	105
04:00			1	46	2	59	3	105			1	53	2	64	3	117
04:15			3	59	4	69	7	128			2	55	6	61	8	116
04:30			0	58	7	69	7	127			3	62	7	69	10	131
04:45			7	67	7	78	14	145			4	58	7	72	11	130
05:00			6	75	2	66	8	141			3	58	5	67	8	125
05:15			5	53	10	57	15	110			11	76	7	61	18	137
05:30			9	60	8	58	17	118			10	64	18	52	28	116
05:45			14	58	17	47	31	105			12	61	19	44	31	105
06:00			18	43	16	44	34	87			18	72	19	39	37	111
06:15			16	47	16	42	32	89			24	41	19	47	43	88
06:30			32	44	29	43	61	87			27	50	25	40	52	90
06:45			37	44	47	42	84	86			34	48	45	44	79	92
07:00			40	42	53	48	93	90			36	34	49	44	85	78
07:15			52	30	52	34	104	64			49	24	53	38	102	62
07:30			53	23	40	30	93	53			53	21	49	33	102	54
07:45			60	23	41	32	101	55			54	26	39	38	93	64
08:00			40	37	43	53	83	90			47	19	41	48	88	67
08:15			56	21	42	26	98	47			59	30	52	53	111	83
08:30			59	23	73	27	132	50			67	20	58	30	125	50
08:45			72	16	68	22	140	38			60	17	57	21	117	38
09:00			75	19	22	33	97	52			72	21	34	16	106	37
09:15			48	12	40	20	88	32			30	14	23	23	53	37
09:30			41	20	24	26	65	46			38	13	35	13	73	26
09:45			45	10	33	18	78	28			41	7	28	22	69	29
10:00			37	14	40	10	77	24			35	8	28	12	63	20
10:15			28	10	38	6	66	16			37	17	20	11	57	28
10:30			30	6	29	14	59	20			22	6	42	5	64	11
10:45			52	5	30	7	82	12			34	8	38	10	72	18
11:00			40	10	42	4	82	14			37	11	27	10	64	21
11:15			40	10	31	10	71	20			44	2	35	4	79	6
11:30			41	3	34	7	75	10			43	2	27	9	70	11
11:45			52	10	39	6	91	16			31	8	47	6	78	14
Total			1138	1852	1010	1911	2148	3763			1071	1760	996	1886	2067	3646
Day Total			2990		2921		5911				2831		2882		5713	
% Total			19.3%	31.3%	17.1%	32.3%					18.7%	30.8%	17.4%	33.0%		
Peak	-		08:15	03:30	08:00	02:45	08:15	02:45	-		08:15	05:15	08:00	02:45	08:15	04:30
Vol.	-		262	292	226	287	467	560	-		258	273	208	286	459	523
P.H.F.			0.873	0.598	0.774	0.875	0.834	0.765			0.896	0.898	0.897	0.861	0.918	0.914

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	33	37	*	*	*	35
01:00	*	*	6	11	*	*	*	8
02:00	*	*	9	10	*	*	*	10
03:00	*	*	12	10	*	*	*	11
04:00	*	*	31	32	*	*	*	32
05:00	*	*	71	85	*	*	*	78
06:00	*	*	211	211	*	*	*	211
07:00	*	*	391	382	*	*	*	386
08:00	*	*	453	441	*	*	*	447
09:00	*	*	328	301	*	*	*	314
10:00	*	*	284	256	*	*	*	270
11:00	*	*	319	291	*	*	*	305
12:00 PM	*	*	306	297	*	*	*	302
01:00	*	*	356	333	*	*	*	344
02:00	*	*	437	394	*	*	*	416
03:00	*	*	559	510	*	*	*	534
04:00	*	*	505	494	*	*	*	500
05:00	*	*	474	483	*	*	*	478
06:00	*	*	349	381	*	*	*	365
07:00	*	*	262	258	*	*	*	260
08:00	*	*	225	238	*	*	*	232
09:00	*	*	158	129	*	*	*	144
10:00	*	*	72	77	*	*	*	74
11:00	*	*	60	52	*	*	*	56
Total	0	0	5911	5713	0	0	0	5812
Percentage	0.0%	0.0%	101.7%	98.3%	0.0%	0.0%	0.0%	
AM Peak	-	-	08:00	08:00	-	-	-	08:00
Vol.	-	-	453	441	-	-	-	447
PM Peak	-	-	15:00	15:00	-	-	-	15:00
Vol.	-	-	559	510	-	-	-	534

**Old Colony Planning Council**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	0	0	2	5	8	2	0	0	0	0	0	0	0	0	17
01:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3
02:00	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	1	2	0	1	1	0	0	0	0	0	0	0	5
04:00	1	0	0	4	1	4	1	0	0	0	0	0	0	0	0	11
05:00	3	0	1	4	11	9	4	0	1	1	0	0	0	0	0	34
06:00	1	0	5	13	41	31	11	1	0	0	0	0	0	0	0	103
07:00	7	1	9	17	61	85	22	3	0	0	0	0	0	0	0	205
08:00	10	2	17	39	83	63	8	3	2	0	0	0	0	0	0	227
09:00	2	0	10	25	83	67	20	2	0	0	0	0	0	0	0	209
10:00	3	4	6	18	60	44	10	2	0	0	0	0	0	0	0	147
11:00	5	2	5	16	64	69	11	1	0	0	0	0	0	0	0	173
12 PM	3	2	7	26	47	56	19	1	0	1	0	0	0	0	0	162
13:00	5	0	8	15	76	71	15	2	0	0	0	0	0	0	0	192
14:00	5	0	13	31	84	71	12	2	0	0	0	0	0	0	0	218
15:00	11	1	23	62	112	59	13	1	0	0	0	0	0	0	0	282
16:00	6	0	4	18	79	96	23	2	2	0	0	0	0	0	0	230
17:00	5	2	7	26	94	78	26	7	0	0	0	0	1	0	0	246
18:00	4	4	7	18	73	59	10	2	1	0	0	0	0	0	0	178
19:00	3	2	2	26	49	33	3	0	0	0	0	0	0	0	0	118
20:00	2	1	2	17	47	24	3	1	0	0	0	0	0	0	0	97
21:00	0	0	2	14	24	18	2	1	0	0	0	0	0	0	0	61
22:00	0	0	3	5	12	10	5	0	0	0	0	0	0	0	0	35
23:00	0	1	3	6	7	9	6	1	0	0	0	0	0	0	0	33
<b>Total</b>	<b>76</b>	<b>22</b>	<b>135</b>	<b>403</b>	<b>1117</b>	<b>967</b>	<b>228</b>	<b>33</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2990</b>

Daily

- 15th Percentile : 26 MPH
- 50th Percentile : 33 MPH
- 85th Percentile : 39 MPH
- 95th Percentile : 42 MPH

Mean Speed(Average) : 33 MPH

- 10 MPH Pace Speed : 30-39 MPH
- Number in Pace : 1868
- Percent in Pace : 62.5%
- Number of Vehicles > 30 MPH : 2354
- Percent of Vehicles > 30 MPH : 78.7%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/13	0	1	3	1	7	4	1	1	0	0	0	0	0	0	0	18
01:00	0	0	1	0	2	2	2	0	0	0	0	0	0	0	0	7
02:00	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
04:00	1	0	1	3	3	2	0	0	0	0	0	0	0	0	0	10
05:00	2	1	2	5	8	12	6	0	0	0	0	0	0	0	0	36
06:00	2	0	4	21	34	27	10	4	1	0	0	0	0	0	0	103
07:00	2	0	8	30	65	59	22	5	0	1	0	0	0	0	0	192
08:00	2	2	17	38	89	69	13	2	1	0	0	0	0	0	0	233
09:00	3	0	8	22	68	63	13	4	0	0	0	0	0	0	0	181
10:00	0	0	7	16	47	48	9	1	0	0	0	0	0	0	0	128
11:00	1	1	2	15	61	51	20	4	0	0	0	0	0	0	0	155
12 PM	3	0	2	17	59	62	9	2	0	0	0	0	0	0	0	154
13:00	3	5	6	21	69	57	17	3	0	0	0	0	0	0	0	181
14:00	4	0	11	24	65	67	16	3	0	0	0	0	0	0	0	190
15:00	4	5	7	43	99	58	11	1	1	0	0	0	0	0	0	229
16:00	9	0	7	25	72	88	22	4	1	0	0	0	0	0	0	228
17:00	13	0	7	32	82	98	23	4	0	0	0	0	0	0	0	259
18:00	5	0	12	28	77	71	15	2	1	0	0	0	0	0	0	211
19:00	3	1	2	17	40	38	3	1	0	0	0	0	0	0	0	105
20:00	0	0	2	15	37	22	9	0	0	1	0	0	0	0	0	86
21:00	0	0	1	4	26	18	4	0	2	0	0	0	0	0	0	55
22:00	0	0	1	2	22	12	0	2	0	0	0	0	0	0	0	39
23:00	0	0	0	4	9	8	2	0	0	0	0	0	0	0	0	23
<b>Total</b>	<b>57</b>	<b>16</b>	<b>111</b>	<b>383</b>	<b>1043</b>	<b>939</b>	<b>230</b>	<b>43</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2831</b>

Daily  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH

Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1784  
 Percent in Pace : 63.0%  
 Number of Vehicles > 30 MPH : 2264  
 Percent of Vehicles > 30 MPH : 80.0%

<b>Grand Total</b>	<b>133</b>	<b>38</b>	<b>246</b>	<b>786</b>	<b>2160</b>	<b>1906</b>	<b>458</b>	<b>76</b>	<b>13</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5821</b>
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Overall  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 3650  
 Percent in Pace : 62.7%  
 Number of Vehicles > 30 MPH : 4618  
 Percent of Vehicles > 30 MPH : 79.3%

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**SB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	0	0	0	5	7	3	0	1	0	0	0	0	0	0	16
01:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
02:00	0	0	0	1	0	3	1	0	0	0	0	0	0	0	0	5
03:00	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	7
04:00	0	0	0	0	8	7	3	2	0	0	0	0	0	0	0	20
05:00	0	0	0	6	12	9	8	2	0	0	0	0	0	0	0	37
06:00	3	1	4	6	32	52	7	2	1	0	0	0	0	0	0	108
07:00	4	1	5	20	70	63	19	4	0	0	0	0	0	0	0	186
08:00	9	1	2	29	91	76	15	3	0	0	0	0	0	0	0	226
09:00	3	0	0	18	30	47	17	4	0	0	0	0	0	0	0	119
10:00	5	0	9	14	50	50	8	1	0	0	0	0	0	0	0	137
11:00	1	1	5	22	62	39	13	2	1	0	0	0	0	0	0	146
12 PM	2	0	8	21	53	45	14	1	0	0	0	0	0	0	0	144
13:00	3	3	5	16	54	64	15	4	0	0	0	0	0	0	0	164
14:00	2	1	3	25	93	76	18	1	0	0	0	0	0	0	0	219
15:00	10	3	10	31	129	73	21	0	0	0	0	0	0	0	0	277
16:00	7	0	5	25	90	114	31	3	0	0	0	0	0	0	0	275
17:00	4	0	9	19	72	102	21	1	0	0	0	0	0	0	0	228
18:00	7	0	5	14	72	61	12	0	0	0	0	0	0	0	0	171
19:00	5	1	9	22	55	44	8	0	0	0	0	0	0	0	0	144
20:00	1	0	3	27	61	28	8	0	0	0	0	0	0	0	0	128
21:00	2	0	3	17	46	22	4	2	0	0	1	0	0	0	0	97
22:00	0	0	2	7	15	10	1	2	0	0	0	0	0	0	0	37
23:00	0	0	1	6	7	7	4	2	0	0	0	0	0	0	0	27
<b>Total</b>	<b>68</b>	<b>12</b>	<b>88</b>	<b>347</b>	<b>1110</b>	<b>1003</b>	<b>253</b>	<b>36</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2921</b>

Daily

15th Percentile :	28 MPH
50th Percentile :	34 MPH
85th Percentile :	39 MPH
95th Percentile :	42 MPH

Mean Speed(Average) :	34 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	1892
Percent in Pace :	64.8%
Number of Vehicles > 30 MPH :	2406
Percent of Vehicles > 30 MPH :	82.4%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
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 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
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 Ash St, south of Forest Ave

**SB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/13	0	1	1	1	6	7	3	0	0	0	0	0	0	0	0	19
01:00	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6
03:00	0	0	0	0	1	4	1	0	0	0	0	0	0	0	0	6
04:00	0	0	0	3	9	5	3	2	0	0	0	0	0	0	0	22
05:00	1	2	1	6	20	9	7	3	0	0	0	0	0	0	0	49
06:00	3	0	4	10	41	39	10	1	0	0	0	0	0	0	0	108
07:00	0	0	6	21	69	79	14	1	0	0	0	0	0	0	0	190
08:00	11	2	9	33	96	42	15	0	0	0	0	0	0	0	0	208
09:00	2	1	2	11	50	39	12	3	0	0	0	0	0	0	0	120
10:00	2	1	0	9	52	35	27	2	0	0	0	0	0	0	0	128
11:00	8	0	8	13	48	45	13	1	0	0	0	0	0	0	0	136
12 PM	8	1	5	13	62	37	17	0	0	0	0	0	0	0	0	143
13:00	3	2	5	33	53	45	8	2	1	0	0	0	0	0	0	152
14:00	3	0	7	34	89	52	18	1	0	0	0	0	0	0	0	204
15:00	10	7	16	25	102	94	23	3	1	0	0	0	0	0	0	281
16:00	9	3	6	20	127	75	23	3	0	0	0	0	0	0	0	266
17:00	10	1	16	28	75	75	18	1	0	0	0	0	0	0	0	224
18:00	2	0	9	28	73	45	13	0	0	0	0	0	0	0	0	170
19:00	4	0	6	34	66	34	9	0	0	0	0	0	0	0	0	153
20:00	0	5	6	29	57	48	5	1	0	0	1	0	0	0	0	152
21:00	0	0	3	12	32	23	3	1	0	0	0	0	0	0	0	74
22:00	0	0	1	6	12	12	7	0	0	0	0	0	0	0	0	38
23:00	0	1	1	2	13	9	3	0	0	0	0	0	0	0	0	29
<b>Total</b>	<b>76</b>	<b>27</b>	<b>112</b>	<b>372</b>	<b>1156</b>	<b>856</b>	<b>255</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2882</b>

Daily  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 1813  
 Percent in Pace : 62.9%  
 Number of Vehicles > 30 MPH : 2295  
 Percent of Vehicles > 30 MPH : 79.6%

<b>Grand Total</b>	<b>144</b>	<b>39</b>	<b>200</b>	<b>719</b>	<b>2266</b>	<b>1859</b>	<b>508</b>	<b>61</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5803</b>
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Overall  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 3695  
 Percent in Pace : 63.7%  
 Number of Vehicles > 30 MPH : 4701  
 Percent of Vehicles > 30 MPH : 81.0%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB, 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
09/18/1															
3	0	0	0	2	10	15	5	0	1	0	0	0	0	0	33
01:00	0	0	0	0	1	4	1	0	0	0	0	0	0	0	6
02:00	0	0	1	1	1	4	2	0	0	0	0	0	0	0	9
03:00	0	0	0	2	5	2	2	1	0	0	0	0	0	0	12
04:00	1	0	0	4	9	11	4	2	0	0	0	0	0	0	31
05:00	3	0	1	10	23	18	12	2	1	1	0	0	0	0	71
06:00	4	1	9	19	73	83	18	3	1	0	0	0	0	0	211
07:00	11	2	14	37	131	148	41	7	0	0	0	0	0	0	391
08:00	19	3	19	68	174	139	23	6	2	0	0	0	0	0	453
09:00	5	0	10	43	113	114	37	6	0	0	0	0	0	0	328
10:00	8	4	15	32	110	94	18	3	0	0	0	0	0	0	284
11:00	6	3	10	38	126	108	24	3	1	0	0	0	0	0	319
12 PM	5	2	15	47	100	101	33	2	0	1	0	0	0	0	306
13:00	8	3	13	31	130	135	30	6	0	0	0	0	0	0	356
14:00	7	1	16	56	177	147	30	3	0	0	0	0	0	0	437
15:00	21	4	33	93	241	132	34	1	0	0	0	0	0	0	559
16:00	13	0	9	43	169	210	54	5	2	0	0	0	0	0	505
17:00	9	2	16	45	166	180	47	8	0	0	0	1	0	0	474
18:00	11	4	12	32	145	120	22	2	1	0	0	0	0	0	349
19:00	8	3	11	48	104	77	11	0	0	0	0	0	0	0	262
20:00	3	1	5	44	108	52	11	1	0	0	0	0	0	0	225
21:00	2	0	5	31	70	40	6	3	0	0	1	0	0	0	158
22:00	0	0	5	12	27	20	6	2	0	0	0	0	0	0	72
23:00	0	1	4	12	14	16	10	3	0	0	0	0	0	0	60
<b>Total</b>	<b>144</b>	<b>34</b>	<b>223</b>	<b>750</b>	<b>2227</b>	<b>1970</b>	<b>481</b>	<b>69</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5911</b>

Daily

15th Percentile :	27 MPH
50th Percentile :	33 MPH
85th Percentile :	39 MPH
95th Percentile :	42 MPH

Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	3757
Percent in Pace :	63.6%
Number of Vehicles > 30 MPH :	4760
Percent of Vehicles > 30 MPH :	80.5%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB, SB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/1																
3	0	2	4	2	13	11	4	1	0	0	0	0	0	0	0	37
01:00	0	0	1	1	4	2	3	0	0	0	0	0	0	0	0	11
02:00	0	0	0	0	2	5	3	0	0	0	0	0	0	0	0	10
03:00	0	0	0	0	2	5	3	0	0	0	0	0	0	0	0	10
04:00	1	0	1	6	12	7	3	2	0	0	0	0	0	0	0	32
05:00	3	3	3	11	28	21	13	3	0	0	0	0	0	0	0	85
06:00	5	0	8	31	75	66	20	5	1	0	0	0	0	0	0	211
07:00	2	0	14	51	134	138	36	6	0	1	0	0	0	0	0	382
08:00	13	4	26	71	185	111	28	2	1	0	0	0	0	0	0	441
09:00	5	1	10	33	118	102	25	7	0	0	0	0	0	0	0	301
10:00	2	1	7	25	99	83	36	3	0	0	0	0	0	0	0	256
11:00	9	1	10	28	109	96	33	5	0	0	0	0	0	0	0	291
12 PM	11	1	7	30	121	99	26	2	0	0	0	0	0	0	0	297
13:00	6	7	11	54	122	102	25	5	1	0	0	0	0	0	0	333
14:00	7	0	18	58	154	119	34	4	0	0	0	0	0	0	0	394
15:00	14	12	23	68	201	152	34	4	2	0	0	0	0	0	0	510
16:00	18	3	13	45	199	163	45	7	1	0	0	0	0	0	0	494
17:00	23	1	23	60	157	173	41	5	0	0	0	0	0	0	0	483
18:00	7	0	21	56	150	116	28	2	1	0	0	0	0	0	0	381
19:00	7	1	8	51	106	72	12	1	0	0	0	0	0	0	0	258
20:00	0	5	8	44	94	70	14	1	0	1	1	0	0	0	0	238
21:00	0	0	4	16	58	41	7	1	2	0	0	0	0	0	0	129
22:00	0	0	2	8	34	24	7	2	0	0	0	0	0	0	0	77
23:00	0	1	1	6	22	17	5	0	0	0	0	0	0	0	0	52
<b>Total</b>	<b>133</b>	<b>43</b>	<b>223</b>	<b>755</b>	<b>2199</b>	<b>1795</b>	<b>485</b>	<b>68</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5713</b>

Daily  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 3595  
 Percent in Pace : 62.9%  
 Number of Vehicles > 30 MPH : 4559  
 Percent of Vehicles > 30 MPH : 79.8%

<b>Grand Total</b>	<b>277</b>	<b>77</b>	<b>446</b>	<b>1505</b>	<b>4426</b>	<b>3765</b>	<b>966</b>	<b>137</b>	<b>18</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11624</b>
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Overall  
 15th Percentile : 27 MPH  
 50th Percentile : 33 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH

Mean Speed(Average) : 33 MPH  
 10 MPH Pace Speed : 30-39 MPH  
 Number in Pace : 7346  
 Percent in Pace : 63.2%  
 Number of Vehicles > 30 MPH : 9319  
 Percent of Vehicles > 30 MPH : 80.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/18/1	3	0	14	3	0	0	0	0	0	0	0	0	0	0	17	0
01:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5	0
04:00	1	7	1	0	1	0	0	0	0	0	0	0	0	1	11	1
05:00	0	22	10	0	0	1	0	0	0	0	0	0	0	1	34	1
06:00	0	76	20	2	3	1	0	0	0	0	0	0	0	1	103	6
07:00	0	143	46	1	7	1	0	0	0	0	0	0	0	7	205	9
08:00	1	163	44	2	6	1	0	1	0	0	0	0	0	9	227	10
09:00	1	150	43	1	7	2	0	2	0	0	0	0	0	3	209	12
10:00	0	106	31	1	4	2	0	0	0	0	0	0	0	3	147	7
11:00	0	129	33	0	2	2	0	2	0	0	0	0	0	5	173	6
12 PM	1	126	25	1	6	1	0	0	0	0	0	0	0	2	162	8
13:00	0	136	34	7	8	1	0	1	0	0	0	0	0	5	192	17
14:00	0	167	37	2	7	1	0	0	0	0	0	0	0	4	218	10
15:00	0	199	62	2	8	0	0	0	0	0	0	0	0	11	282	10
16:00	0	167	49	1	5	1	0	1	0	0	0	0	0	6	230	8
17:00	0	180	50	0	9	1	0	0	0	0	0	0	0	6	246	10
18:00	1	149	17	0	5	1	0	0	0	0	0	0	0	5	178	6
19:00	0	82	27	0	5	1	0	0	0	0	0	0	0	3	118	6
20:00	0	79	15	0	1	0	0	0	0	0	0	0	0	2	97	1
21:00	0	53	8	0	0	0	0	0	0	0	0	0	0	0	61	0
22:00	0	29	5	0	1	0	0	0	0	0	0	0	0	0	35	1
23:00	0	25	8	0	0	0	0	0	0	0	0	0	0	0	33	0
<b>Total</b>	<b>5</b>	<b>2211</b>	<b>571</b>	<b>20</b>	<b>85</b>	<b>17</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>2990</b>	<b>129</b>
<b>Percent</b>	<b>0.2%</b>	<b>73.9%</b>	<b>19.1%</b>	<b>0.7%</b>	<b>2.8%</b>	<b>0.6%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.5%</b>		<b>4.3%</b>
<b>AM Peak</b>	<b>04:00</b>	<b>08:00</b>	<b>07:00</b>	<b>06:00</b>	<b>07:00</b>	<b>09:00</b>		<b>09:00</b>						<b>08:00</b>	<b>08:00</b>	<b>09:00</b>
<b>Vol.</b>	<b>1</b>	<b>163</b>	<b>46</b>	<b>2</b>	<b>7</b>	<b>2</b>		<b>2</b>						<b>9</b>	<b>227</b>	<b>12</b>
<b>PM Peak</b>	<b>12:00</b>	<b>15:00</b>	<b>15:00</b>	<b>13:00</b>	<b>17:00</b>	<b>12:00</b>		<b>13:00</b>						<b>15:00</b>	<b>15:00</b>	<b>13:00</b>
<b>Vol.</b>	<b>1</b>	<b>199</b>	<b>62</b>	<b>7</b>	<b>9</b>	<b>1</b>		<b>1</b>						<b>11</b>	<b>282</b>	<b>17</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/19/1	3	0	18	0	0	0	0	0	0	0	0	0	0	0	18	0
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7	0
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	1	7	0	0	1	0	0	0	0	0	0	0	0	1	10	1
05:00	0	24	9	0	1	0	0	0	0	0	0	0	0	2	36	1
06:00	1	73	20	2	5	1	0	0	0	0	0	0	0	1	103	8
07:00	0	146	35	1	8	0	0	0	0	0	0	0	0	2	192	9
08:00	1	171	49	1	7	1	0	0	0	0	0	0	0	3	233	9
09:00	0	136	33	1	6	2	0	0	0	0	0	0	0	3	181	9
10:00	0	99	19	1	9	0	0	0	0	0	0	0	0	0	128	10
11:00	0	118	32	0	3	1	0	0	0	0	0	0	0	1	155	4
12 PM	1	108	34	0	8	0	0	0	0	0	0	0	0	3	154	8
13:00	0	120	37	9	10	2	0	1	0	0	0	0	0	2	181	22
14:00	0	130	43	2	10	2	0	0	0	0	0	0	0	3	190	14
15:00	1	178	38	1	6	1	0	0	0	0	0	0	0	4	229	8
16:00	0	176	39	1	3	0	0	0	0	0	0	0	0	9	228	4
17:00	1	196	43	0	7	0	0	0	1	0	0	0	0	11	259	8
18:00	2	168	32	0	4	0	0	0	0	0	0	0	0	5	211	4
19:00	1	77	21	0	3	0	0	0	0	0	0	0	0	3	105	3
20:00	1	64	16	0	5	0	0	0	0	0	0	0	0	0	86	5
21:00	0	44	11	0	0	0	0	0	0	0	0	0	0	0	55	0
22:00	0	33	6	0	0	0	0	0	0	0	0	0	0	0	39	0
23:00	0	20	3	0	0	0	0	0	0	0	0	0	0	0	23	0
<b>Total</b>	<b>10</b>	<b>2118</b>	<b>523</b>	<b>19</b>	<b>96</b>	<b>10</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>2831</b>	<b>127</b>
<b>Percent</b>	<b>0.4%</b>	<b>74.8%</b>	<b>18.5%</b>	<b>0.7%</b>	<b>3.4%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>1.9%</b>		<b>4.5%</b>
<b>AM Peak Vol.</b>	<b>04:00</b>	<b>08:00</b>	<b>08:00</b>	<b>06:00</b>	<b>10:00</b>	<b>09:00</b>								<b>08:00</b>	<b>08:00</b>	<b>10:00</b>
	<b>1</b>	<b>171</b>	<b>49</b>	<b>2</b>	<b>9</b>	<b>2</b>								<b>3</b>	<b>233</b>	<b>10</b>
<b>PM Peak Vol.</b>	<b>18:00</b>	<b>17:00</b>	<b>14:00</b>	<b>13:00</b>	<b>13:00</b>	<b>13:00</b>		<b>13:00</b>	<b>17:00</b>					<b>17:00</b>	<b>17:00</b>	<b>13:00</b>
	<b>2</b>	<b>196</b>	<b>43</b>	<b>9</b>	<b>10</b>	<b>2</b>		<b>1</b>	<b>1</b>					<b>11</b>	<b>259</b>	<b>22</b>
<b>Grand Total</b>	<b>15</b>	<b>4329</b>	<b>1094</b>	<b>39</b>	<b>181</b>	<b>27</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>127</b>	<b>5821</b>	<b>256</b>
<b>Percent</b>	<b>0.3%</b>	<b>74.4%</b>	<b>18.8%</b>	<b>0.7%</b>	<b>3.1%</b>	<b>0.5%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.2%</b>		<b>4.4%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/18/1	3	0	14	2	0	0	0	0	0	0	0	0	0	0	16	0
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	4	0	0	2	0	0	1	0	0	0	0	0	0	7	3
04:00	0	15	4	0	1	0	0	0	0	0	0	0	0	0	20	1
05:00	0	26	10	0	1	0	0	0	0	0	0	0	0	0	37	1
06:00	0	73	29	0	3	0	0	0	0	0	0	0	0	3	108	3
07:00	0	132	31	8	8	1	0	1	1	0	0	0	0	4	186	19
08:00	0	159	48	2	8	1	0	0	0	0	0	0	0	8	226	11
09:00	1	88	20	0	6	0	0	1	0	0	0	0	0	3	119	7
10:00	2	96	26	0	6	1	0	1	0	0	0	0	0	5	137	8
11:00	0	112	26	0	4	2	0	1	0	0	0	0	0	1	146	7
12 PM	0	114	22	0	4	1	0	1	0	0	0	0	0	2	144	6
13:00	0	125	27	0	9	0	0	0	0	0	0	0	0	3	164	9
14:00	2	158	45	2	8	1	0	2	0	0	0	0	0	1	219	13
15:00	3	183	62	6	13	0	0	1	1	0	0	0	0	8	277	21
16:00	1	195	58	0	13	2	0	0	0	0	0	0	0	6	275	15
17:00	1	168	42	0	13	1	0	0	0	0	0	0	0	3	228	14
18:00	1	130	28	0	3	1	0	1	0	0	0	0	0	7	171	5
19:00	0	107	24	0	8	1	0	0	0	0	0	0	0	4	144	9
20:00	1	101	21	0	4	0	0	0	0	0	0	0	0	1	128	4
21:00	0	75	18	0	2	0	0	0	0	0	0	0	0	2	97	2
22:00	0	33	3	0	1	0	0	0	0	0	0	0	0	0	37	1
23:00	0	23	3	0	1	0	0	0	0	0	0	0	0	0	27	1
Total	12	2138	550	18	118	12	0	10	2	0	0	0	0	61	2921	160
Percent	0.4%	73.2%	18.8%	0.6%	4.0%	0.4%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	2.1%		5.5%
AM Peak Vol.	10:00	08:00	08:00	07:00	07:00	11:00		03:00	07:00					08:00	08:00	07:00
PM Peak Vol.	15:00	16:00	15:00	15:00	15:00	16:00		14:00	15:00					15:00	15:00	15:00

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/19/1	3	0	17	2	0	0	0	0	0	0	0	0	0	0	19	0
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	4	1	0	1	0	0	0	0	0	0	0	0	0	6	1
04:00	0	14	6	0	1	1	0	0	0	0	0	0	0	0	22	2
05:00	0	35	13	0	0	0	0	0	0	0	0	0	0	1	49	0
06:00	0	74	24	0	6	1	0	0	0	0	0	0	0	3	108	7
07:00	1	141	35	4	7	1	0	1	0	0	0	0	0	0	190	13
08:00	0	152	39	1	8	0	0	0	0	0	0	0	0	8	208	9
09:00	0	80	29	0	9	0	0	0	0	0	0	0	0	2	120	9
10:00	0	95	23	0	7	0	0	1	0	0	0	0	0	2	128	8
11:00	1	92	29	1	5	0	0	0	0	0	0	0	0	8	136	6
12 PM	0	100	24	0	8	1	0	0	0	0	0	0	0	10	143	9
13:00	0	111	30	0	7	0	0	1	0	0	0	0	0	3	152	8
14:00	2	148	39	2	10	1	0	0	0	0	0	0	0	2	204	13
15:00	2	199	53	6	12	0	0	0	0	0	0	0	0	9	281	18
16:00	2	196	48	1	8	2	0	0	0	0	0	0	0	9	266	11
17:00	3	163	40	0	7	0	0	1	0	0	0	0	0	10	224	8
18:00	1	137	28	0	2	0	0	0	0	0	0	0	0	2	170	2
19:00	0	115	28	0	6	0	0	0	0	0	0	0	0	4	153	6
20:00	1	127	19	0	5	0	0	0	0	0	0	0	0	0	152	5
21:00	0	56	17	0	1	0	0	0	0	0	0	0	0	0	74	1
22:00	0	34	4	0	0	0	0	0	0	0	0	0	0	0	38	0
23:00	0	25	4	0	0	0	0	0	0	0	0	0	0	0	29	0
<b>Total</b>	<b>13</b>	<b>2123</b>	<b>537</b>	<b>15</b>	<b>110</b>	<b>7</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>73</b>	<b>2882</b>	<b>136</b>
<b>Percent</b>	<b>0.5%</b>	<b>73.7%</b>	<b>18.6%</b>	<b>0.5%</b>	<b>3.8%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.5%</b>		<b>4.7%</b>
<b>AM Peak Vol.</b>	07:00	08:00	08:00	07:00	09:00	04:00		07:00						08:00	08:00	07:00
<b>PM Peak Vol.</b>	17:00	15:00	15:00	15:00	15:00	16:00		13:00						12:00	15:00	15:00
<b>Grand Total Percent</b>	<b>0.4%</b>	<b>73.4%</b>	<b>18.7%</b>	<b>0.6%</b>	<b>3.9%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.3%</b>		<b>5.1%</b>

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB, SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/18/1	3	0	28	5	0	0	0	0	0	0	0	0	0	0	33	0
01:00	0	5	1	0	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	6	3	0	0	0	0	0	0	0	0	0	0	0	9	0
03:00	0	9	0	0	2	0	0	1	0	0	0	0	0	0	12	3
04:00	1	22	5	0	2	0	0	0	0	0	0	0	0	1	31	2
05:00	0	48	20	0	1	1	0	0	0	0	0	0	0	1	71	2
06:00	0	149	49	2	6	1	0	0	0	0	0	0	0	4	211	9
07:00	0	275	77	9	15	2	0	1	1	0	0	0	0	11	391	28
08:00	1	322	92	4	14	2	0	1	0	0	0	0	0	17	453	21
09:00	2	238	63	1	13	2	0	3	0	0	0	0	0	6	328	19
10:00	2	202	57	1	10	3	0	1	0	0	0	0	0	8	284	15
11:00	0	241	59	0	6	4	0	3	0	0	0	0	0	6	319	13
12 PM	1	240	47	1	10	2	0	1	0	0	0	0	0	4	306	14
13:00	0	261	61	7	17	1	0	1	0	0	0	0	0	8	356	26
14:00	2	325	82	4	15	2	0	2	0	0	0	0	0	5	437	23
15:00	3	382	124	8	21	0	0	1	1	0	0	0	0	19	559	31
16:00	1	362	107	1	18	3	0	1	0	0	0	0	0	12	505	23
17:00	1	348	92	0	22	2	0	0	0	0	0	0	0	9	474	24
18:00	2	279	45	0	8	2	0	1	0	0	0	0	0	12	349	11
19:00	0	189	51	0	13	2	0	0	0	0	0	0	0	7	262	15
20:00	1	180	36	0	5	0	0	0	0	0	0	0	0	3	225	5
21:00	0	128	26	0	2	0	0	0	0	0	0	0	0	2	158	2
22:00	0	62	8	0	2	0	0	0	0	0	0	0	0	0	72	2
23:00	0	48	11	0	1	0	0	0	0	0	0	0	0	0	60	1
Total	17	4349	1121	38	203	29	0	17	2	0	0	0	0	135	5911	289
Percent	0.3%	73.6%	19.0%	0.6%	3.4%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%		4.9%
AM Peak Vol.	09:00	08:00	08:00	07:00	07:00	11:00		09:00	07:00					08:00	08:00	07:00
PM Peak Vol.	15:00	15:00	15:00	15:00	17:00	16:00		14:00	15:00					15:00	15:00	15:00

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 22929  
 Layout: L6 Basic (2')

Station ID: 7020  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, south of Forest Ave

**NB, SB**

Start Time	Bikes	Cars & Trailer	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	Not Classe	Total	Truck Total
09/19/1																
3	0	35	2	0	0	0	0	0	0	0	0	0	0	0	37	0
01:00	0	9	2	0	0	0	0	0	0	0	0	0	0	0	11	0
02:00	0	7	3	0	0	0	0	0	0	0	0	0	0	0	10	0
03:00	0	8	1	0	1	0	0	0	0	0	0	0	0	0	10	1
04:00	1	21	6	0	2	1	0	0	0	0	0	0	0	1	32	3
05:00	0	59	22	0	1	0	0	0	0	0	0	0	0	3	85	1
06:00	1	147	44	2	11	2	0	0	0	0	0	0	0	4	211	15
07:00	1	287	70	5	15	1	0	1	0	0	0	0	0	2	382	22
08:00	1	323	88	2	15	1	0	0	0	0	0	0	0	11	441	18
09:00	0	216	62	1	15	2	0	0	0	0	0	0	0	5	301	18
10:00	0	194	42	1	16	0	0	1	0	0	0	0	0	2	256	18
11:00	1	210	61	1	8	1	0	0	0	0	0	0	0	9	291	10
12 PM	1	208	58	0	16	1	0	0	0	0	0	0	0	13	297	17
13:00	0	231	67	9	17	2	0	2	0	0	0	0	0	5	333	30
14:00	2	278	82	4	20	3	0	0	0	0	0	0	0	5	394	27
15:00	3	377	91	7	18	1	0	0	0	0	0	0	0	13	510	26
16:00	2	372	87	2	11	2	0	0	0	0	0	0	0	18	494	15
17:00	4	359	83	0	14	0	0	1	1	0	0	0	0	21	483	16
18:00	3	305	60	0	6	0	0	0	0	0	0	0	0	7	381	6
19:00	1	192	49	0	9	0	0	0	0	0	0	0	0	7	258	9
20:00	2	191	35	0	10	0	0	0	0	0	0	0	0	0	238	10
21:00	0	100	28	0	1	0	0	0	0	0	0	0	0	0	129	1
22:00	0	67	10	0	0	0	0	0	0	0	0	0	0	0	77	0
23:00	0	45	7	0	0	0	0	0	0	0	0	0	0	0	52	0
<b>Total</b>	<b>23</b>	<b>4241</b>	<b>1060</b>	<b>34</b>	<b>206</b>	<b>17</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>126</b>	<b>5713</b>	<b>263</b>
<b>Percent</b>	<b>0.4%</b>	<b>74.2%</b>	<b>18.6%</b>	<b>0.6%</b>	<b>3.6%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.2%</b>		<b>4.6%</b>
<b>AM Peak Vol.</b>	<b>04:00</b>	<b>08:00</b>	<b>08:00</b>	<b>07:00</b>	<b>10:00</b>	<b>06:00</b>		<b>07:00</b>						<b>08:00</b>	<b>08:00</b>	<b>07:00</b>
	1	323	88	5	16	2		1						11	441	22
<b>PM Peak Vol.</b>	<b>17:00</b>	<b>15:00</b>	<b>15:00</b>	<b>13:00</b>	<b>14:00</b>	<b>14:00</b>		<b>13:00</b>	<b>17:00</b>					<b>17:00</b>	<b>15:00</b>	<b>13:00</b>
	4	377	91	9	20	3		2	1					21	510	30
<b>Grand Total</b>	<b>40</b>	<b>8590</b>	<b>2181</b>	<b>72</b>	<b>409</b>	<b>46</b>	<b>0</b>	<b>22</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261</b>	<b>11624</b>	<b>552</b>
<b>Percent</b>	<b>0.3%</b>	<b>73.9%</b>	<b>18.8%</b>	<b>0.6%</b>	<b>3.5%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.2%</b>		<b>4.7%</b>

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

Start Time	16-Sep-13		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	*	*	*	*	13	12	17	17	*	*	*	*	*	*	15	14
01:00	*	*	*	*	4	6	6	8	*	*	*	*	*	*	5	7
02:00	*	*	*	*	3	5	4	5	*	*	*	*	*	*	4	5
03:00	*	*	*	*	3	2	2	4	*	*	*	*	*	*	2	3
04:00	*	*	*	*	8	14	5	7	*	*	*	*	*	*	6	10
05:00	*	*	*	*	34	31	31	27	*	*	*	*	*	*	32	29
06:00	*	*	*	*	94	109	96	107	*	*	*	*	*	*	95	108
07:00	*	*	*	*	208	137	209	140	*	*	*	*	*	*	208	138
08:00	*	*	*	*	188	148	191	141	*	*	*	*	*	*	190	144
09:00	*	*	*	*	139	106	143	100	*	*	*	*	*	*	141	103
10:00	*	*	*	*	105	104	93	103	*	*	*	*	*	*	99	104
11:00	*	*	*	*	108	95	129	103	*	*	*	*	*	*	118	99
12:00 PM	*	*	*	*	116	107	117	111	*	*	*	*	*	*	116	109
01:00	*	*	*	*	136	144	110	104	*	*	*	*	*	*	123	124
02:00	*	*	*	*	188	156	189	177	*	*	*	*	*	*	188	166
03:00	*	*	*	*	212	233	163	227	*	*	*	*	*	*	188	230
04:00	*	*	*	*	193	239	209	233	*	*	*	*	*	*	201	236
05:00	*	*	*	*	161	210	182	232	*	*	*	*	*	*	172	221
06:00	*	*	*	*	148	158	156	176	*	*	*	*	*	*	152	167
07:00	*	*	*	*	112	117	115	118	*	*	*	*	*	*	114	118
08:00	*	*	*	*	82	117	112	92	*	*	*	*	*	*	97	104
09:00	*	*	*	*	67	89	54	63	*	*	*	*	*	*	60	76
10:00	*	*	*	*	35	50	42	47	*	*	*	*	*	*	38	48
11:00	*	*	*	*	30	35	28	30	*	*	*	*	*	*	29	32
Total Day	0	0	0	0	2387	2424	2403	2372	0	0	0	0	0	0	2393	2395
AM Peak	-	-	-	-	07:00	08:00	07:00	08:00	-	-	-	-	-	-	07:00	08:00
Vol.	-	-	-	-	208	148	209	141	-	-	-	-	-	-	208	144
PM Peak	-	-	-	-	15:00	16:00	16:00	16:00	-	-	-	-	-	-	16:00	16:00
Vol.	-	-	-	-	212	239	209	233	-	-	-	-	-	-	201	236

Comb. Total                    0                    0                    4811                    4775                    0                    0                    0                    4788



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

Start Time	18-Sep-13		NB		SB		Combined		19-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00			6	31	4	29	10	60			5	28	4	31	9	59
12:15			3	24	3	23	6	47			6	25	5	25	11	50
12:30			4	26	4	32	8	58			6	26	4	25	10	51
12:45			0	35	1	23	1	58			0	38	4	30	4	68
01:00			2	30	2	28	4	58			3	24	1	17	4	41
01:15			2	34	0	32	2	66			1	32	4	21	5	53
01:30			0	38	1	34	1	72			2	24	1	29	3	53
01:45			0	34	3	50	3	84			0	30	2	37	2	67
02:00			0	59	0	35	0	94			1	45	3	41	4	86
02:15			0	50	3	38	3	88			1	41	1	50	2	91
02:30			1	45	0	30	1	75			2	49	0	45	2	94
02:45			2	34	2	53	4	87			0	54	1	41	1	95
03:00			3	45	0	57	3	102			1	29	2	59	3	88
03:15			0	37	0	61	0	98			0	44	1	50	1	94
03:30			0	<b>75</b>	1	65	1	140			1	51	1	53	2	104
03:45			0	<b>55</b>	1	50	1	105			0	39	0	65	0	104
04:00			1	<b>41</b>	1	48	2	89			1	<b>51</b>	0	49	1	<b>100</b>
04:15			2	<b>45</b>	2	<b>63</b>	4	<b>108</b>			1	<b>61</b>	2	<b>55</b>	3	<b>116</b>
04:30			2	54	6	<b>66</b>	8	<b>120</b>			2	<b>49</b>	4	<b>64</b>	6	<b>113</b>
04:45			3	53	5	<b>62</b>	8	<b>115</b>			1	<b>48</b>	1	<b>65</b>	2	<b>113</b>
05:00			5	47	1	<b>56</b>	6	<b>103</b>			5	37	4	<b>53</b>	9	90
05:15			5	40	4	61	9	101			4	59	2	55	6	114
05:30			10	26	14	45	24	71			8	38	10	56	18	94
05:45			14	48	12	48	26	96			14	48	11	68	25	116
06:00			9	47	15	38	24	85			10	42	18	46	28	88
06:15			11	33	18	50	29	83			19	38	16	36	35	74
06:30			29	39	<b>37</b>	35	66	74			22	38	28	48	50	86
06:45			45	29	<b>39</b>	35	<b>84</b>	64			45	38	<b>45</b>	46	<b>90</b>	84
07:00			<b>54</b>	37	<b>38</b>	35	<b>92</b>	72			<b>60</b>	41	<b>31</b>	25	<b>91</b>	66
07:15			<b>60</b>	29	<b>39</b>	32	<b>99</b>	61			<b>63</b>	21	<b>35</b>	28	<b>98</b>	49
07:30			<b>48</b>	24	28	26	<b>76</b>	50			<b>38</b>	26	<b>39</b>	41	<b>77</b>	67
07:45			<b>46</b>	22	32	24	78	46			<b>48</b>	27	35	24	83	51
08:00			39	24	37	29	76	53			36	39	30	24	66	63
08:15			62	23	39	29	101	52			61	40	28	25	89	65
08:30			42	20	39	29	81	49			56	20	41	23	97	43
08:45			45	15	33	30	78	45			38	13	42	20	80	33
09:00			42	23	32	26	74	49			46	13	30	17	76	30
09:15			36	13	23	19	59	32			27	13	32	13	59	26
09:30			28	16	24	24	52	40			28	13	17	19	45	32
09:45			33	15	27	20	60	35			42	15	21	14	63	29
10:00			27	14	33	12	60	26			30	10	27	11	57	21
10:15			19	8	23	9	42	17			27	13	20	13	47	26
10:30			26	5	26	16	52	21			12	8	30	7	42	15
10:45			33	8	22	13	55	21			24	11	26	16	50	27
11:00			25	11	21	6	46	17			32	13	25	9	57	22
11:15			27	9	31	11	58	20			45	3	27	8	72	11
11:30			24	6	13	8	37	14			28	6	22	10	50	16
11:45			32	4	30	10	62	14			24	6	29	3	53	9
Total			907	1480	769	1655	1676	3135			926	1477	762	1610	1688	3087
Day Total			2387		2424		4811				2403		2372		4775	
% Total			18.9%	30.8%	16.0%	34.4%					19.4%	30.9%	16.0%	33.7%		
Peak	-	07:00	03:30	06:30	04:15	06:45	04:15		-	07:00	04:00	06:45	04:15	06:45	04:00	
Vol.	-	208	216	153	247	351	446		-	209	209	150	237	356	442	
P.H.F.		0.867	0.720	0.981	0.936	0.886	0.796			0.829	0.857	0.833	0.912	0.908	0.953	

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

Start Time	16-Sep-13 Mon	17-Sep-13 Tue	18-Sep-13 Wed	19-Sep-13 Thu	20-Sep-13 Fri	21-Sep-13 Sat	22-Sep-13 Sun	Week Average
12:00 AM	*	*	25	34	*	*	*	30
01:00	*	*	10	14	*	*	*	12
02:00	*	*	8	9	*	*	*	8
03:00	*	*	5	6	*	*	*	6
04:00	*	*	22	12	*	*	*	17
05:00	*	*	65	58	*	*	*	62
06:00	*	*	203	203	*	*	*	203
07:00	*	*	<b>345</b>	<b>349</b>	*	*	*	<b>347</b>
08:00	*	*	336	332	*	*	*	334
09:00	*	*	245	243	*	*	*	244
10:00	*	*	209	196	*	*	*	202
11:00	*	*	203	232	*	*	*	218
12:00 PM	*	*	223	228	*	*	*	226
01:00	*	*	280	214	*	*	*	247
02:00	*	*	344	366	*	*	*	355
03:00	*	*	<b>445</b>	390	*	*	*	418
04:00	*	*	432	<b>442</b>	*	*	*	<b>437</b>
05:00	*	*	371	414	*	*	*	392
06:00	*	*	306	332	*	*	*	319
07:00	*	*	229	233	*	*	*	231
08:00	*	*	199	204	*	*	*	202
09:00	*	*	156	117	*	*	*	136
10:00	*	*	85	89	*	*	*	87
11:00	*	*	65	58	*	*	*	62
Total	0	0	4811	4775	0	0	0	4795
Percentage	0.0%	0.0%	100.3%	99.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	07:00
Vol.	-	-	345	349	-	-	-	347
PM Peak	-	-	15:00	16:00	-	-	-	16:00
Vol.	-	-	445	442	-	-	-	437

**Old Colony Planning Council**  
**70 School Street**  
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**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**NB**

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/18/1															
3	0	1	1	2	4	4	1	0	0	0	0	0	0	0	13
01:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
03:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	3
04:00	0	1	0	3	2	2	0	0	0	0	0	0	0	0	8
05:00	0	2	1	4	10	13	3	0	1	0	0	0	0	0	34
06:00	3	1	4	17	37	23	8	1	0	0	0	0	0	0	94
07:00	4	3	7	33	91	63	7	0	0	0	0	0	0	0	208
08:00	11	3	16	44	81	26	6	1	0	0	0	0	0	0	188
09:00	3	0	5	17	62	48	4	0	0	0	0	0	0	0	139
10:00	0	3	8	23	40	24	6	0	1	0	0	0	0	0	105
11:00	3	1	6	10	55	26	6	0	1	0	0	0	0	0	108
12 PM	2	0	5	12	49	42	5	0	1	0	0	0	0	0	116
13:00	3	1	5	13	64	42	8	0	0	0	0	0	0	0	136
14:00	6	1	3	51	75	46	5	1	0	0	0	0	0	0	188
15:00	7	4	14	51	98	32	5	1	0	0	0	0	0	0	212
16:00	5	2	18	30	83	36	18	1	0	0	0	0	0	0	193
17:00	2	1	4	28	90	29	5	2	0	0	0	0	0	0	161
18:00	6	2	6	32	57	36	8	1	0	0	0	0	0	0	148
19:00	0	1	8	33	47	18	4	1	0	0	0	0	0	0	112
20:00	0	0	3	18	41	15	5	0	0	0	0	0	0	0	82
21:00	1	3	5	14	27	15	2	0	0	0	0	0	0	0	67
22:00	1	0	1	10	12	8	2	1	0	0	0	0	0	0	35
23:00	0	1	2	2	12	11	2	0	0	0	0	0	0	0	30
<b>Total</b>	<b>57</b>	<b>31</b>	<b>122</b>	<b>451</b>	<b>1040</b>	<b>560</b>	<b>112</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2387</b>

Daily  
     15th Percentile : 25 MPH  
     50th Percentile : 32 MPH  
     85th Percentile : 37 MPH  
     95th Percentile : 40 MPH  
  
     Mean Speed(Average) : 32 MPH  
     10 MPH Pace Speed : 29-38 MPH  
     Number in Pace : 1518  
     Percent in Pace : 63.6%  
     Number of Vehicles > 30 MPH : 1726  
     Percent of Vehicles > 30 MPH : 72.3%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**NB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/19/1																
3	0	0	1	5	5	5	1	0	0	0	0	0	0	0	0	17
01:00	0	0	0	0	3	2	1	0	0	0	0	0	0	0	0	6
02:00	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	1	1	0	3	0	0	0	0	0	0	0	0	0	5
05:00	0	2	1	2	13	11	1	1	0	0	0	0	0	0	0	31
06:00	0	4	3	23	37	23	5	1	0	0	0	0	0	0	0	96
07:00	3	1	1	44	90	58	12	0	0	0	0	0	0	0	0	209
08:00	7	14	8	40	66	47	9	0	0	0	0	0	0	0	0	191
09:00	2	4	6	16	76	30	7	2	0	0	0	0	0	0	0	143
10:00	1	1	13	13	34	22	7	2	0	0	0	0	0	0	0	93
11:00	0	1	8	28	55	31	6	0	0	0	0	0	0	0	0	129
12 PM	0	2	6	28	54	23	4	0	0	0	0	0	0	0	0	117
13:00	7	1	5	17	40	34	6	0	0	0	0	0	0	0	0	110
14:00	4	5	10	41	91	30	6	1	1	0	0	0	0	0	0	189
15:00	5	3	7	42	73	29	4	0	0	0	0	0	0	0	0	163
16:00	3	1	9	28	103	57	7	0	1	0	0	0	0	0	0	209
17:00	7	4	14	24	87	40	6	0	0	0	0	0	0	0	0	182
18:00	3	1	7	30	74	33	7	1	0	0	0	0	0	0	0	156
19:00	1	0	8	28	55	23	0	0	0	0	0	0	0	0	0	115
20:00	1	1	2	36	47	16	7	2	0	0	0	0	0	0	0	112
21:00	0	0	2	7	24	17	3	1	0	0	0	0	0	0	0	54
22:00	0	1	0	6	21	10	2	1	1	0	0	0	0	0	0	42
23:00	1	1	1	8	5	11	1	0	0	0	0	0	0	0	0	28
<b>Total</b>	<b>45</b>	<b>47</b>	<b>113</b>	<b>468</b>	<b>1053</b>	<b>559</b>	<b>103</b>	<b>12</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2403</b>

Daily

15th Percentile : 25 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 29-38 MPH  
 Number in Pace : 1538  
 Percent in Pace : 64.0%  
 Number of Vehicles > 30 MPH : 1730  
 Percent of Vehicles > 30 MPH : 72.0%

<b>Grand Total</b>	<b>102</b>	<b>78</b>	<b>235</b>	<b>919</b>	<b>2093</b>	<b>1119</b>	<b>215</b>	<b>22</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4790</b>
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Overall

15th Percentile : 25 MPH  
 50th Percentile : 32 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH  
 10 MPH Pace Speed : 29-38 MPH  
 Number in Pace : 3055  
 Percent in Pace : 63.8%  
 Number of Vehicles > 30 MPH : 3456  
 Percent of Vehicles > 30 MPH : 72.2%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**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
09/18/1															
3	0	0	2	2	3	5	0	0	0	0	0	0	0	0	12
01:00	0	0	0	1	3	1	0	0	1	0	0	0	0	0	6
02:00	0	0	0	0	2	3	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	5	2	2	4	0	1	0	0	0	0	0	0	14
05:00	0	0	0	12	10	5	4	0	0	0	0	0	0	0	31
06:00	2	0	8	27	47	17	8	0	0	0	0	0	0	0	109
07:00	3	0	8	22	52	42	6	3	1	0	0	0	0	0	137
08:00	7	8	7	36	49	27	13	1	0	0	0	0	0	0	148
09:00	2	3	5	18	52	22	4	0	0	0	0	0	0	0	106
10:00	2	4	12	19	34	28	4	1	0	0	0	0	0	0	104
11:00	1	1	10	16	35	25	6	1	0	0	0	0	0	0	95
12 PM	5	5	13	13	44	24	3	0	0	0	0	0	0	0	107
13:00	2	1	16	36	56	27	6	0	0	0	0	0	0	0	144
14:00	5	1	6	41	63	35	5	0	0	0	0	0	0	0	156
15:00	13	4	21	73	83	35	4	0	0	0	0	0	0	0	233
16:00	12	3	26	75	76	42	5	0	0	0	0	0	0	0	239
17:00	7	2	13	50	83	44	10	1	0	0	0	0	0	0	210
18:00	5	5	19	45	60	23	1	0	0	0	0	0	0	0	158
19:00	3	1	20	32	38	18	4	1	0	0	0	0	0	0	117
20:00	4	0	10	44	44	12	3	0	0	0	0	0	0	0	117
21:00	2	2	7	26	28	20	3	1	0	0	0	0	0	0	89
22:00	1	0	8	17	14	6	4	0	0	0	0	0	0	0	50
23:00	1	2	3	9	8	8	2	2	0	0	0	0	0	0	35
<b>Total</b>	<b>77</b>	<b>42</b>	<b>219</b>	<b>616</b>	<b>888</b>	<b>473</b>	<b>95</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2424</b>

Daily

15th Percentile : 23 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 1399  
 Percent in Pace : 57.7%  
 Number of Vehicles > 30 MPH : 1470  
 Percent of Vehicles > 30 MPH : 60.6%

**Old Colony Planning Council**  
**70 School Street**  
**Brockton, MA 02301**  
**508-583-1833**  
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Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**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
09/19/1															
3	0	0	1	2	11	2	1	0	0	0	0	0	0	0	17
01:00	0	0	1	3	2	1	0	1	0	0	0	0	0	0	8
02:00	0	0	2	0	2	1	0	0	0	0	0	0	0	0	5
03:00	0	1	0	1	0	1	1	0	0	0	0	0	0	0	4
04:00	0	0	1	1	2	2	1	0	0	0	0	0	0	0	7
05:00	0	0	3	5	12	6	1	0	0	0	0	0	0	0	27
06:00	2	2	6	22	49	19	5	2	0	0	0	0	0	0	107
07:00	3	1	7	23	67	28	9	1	1	0	0	0	0	0	140
08:00	8	8	12	25	54	24	9	1	0	0	0	0	0	0	141
09:00	3	2	4	23	40	23	5	0	0	0	0	0	0	0	100
10:00	3	0	6	22	39	28	3	2	0	0	0	0	0	0	103
11:00	2	4	5	27	37	20	4	4	0	0	0	0	0	0	103
12 PM	2	1	11	25	40	28	4	0	0	0	0	0	0	0	111
13:00	3	3	10	26	41	16	4	1	0	0	0	0	0	0	104
14:00	4	3	20	42	69	34	5	0	0	0	0	0	0	0	177
15:00	9	6	18	67	78	41	7	1	0	0	0	0	0	0	227
16:00	6	4	13	61	88	53	7	1	0	0	0	0	0	0	233
17:00	6	3	16	55	99	51	2	0	0	0	0	0	0	0	232
18:00	5	1	14	57	70	24	4	1	0	0	0	0	0	0	176
19:00	2	2	10	31	61	11	1	0	0	0	0	0	0	0	118
20:00	2	2	3	32	34	16	2	1	0	0	0	0	0	0	92
21:00	0	1	4	23	26	8	1	0	0	0	0	0	0	0	63
22:00	0	1	8	12	17	6	2	0	1	0	0	0	0	0	47
23:00	0	0	4	6	12	7	0	0	1	0	0	0	0	0	30
<b>Total</b>	<b>60</b>	<b>45</b>	<b>179</b>	<b>591</b>	<b>950</b>	<b>450</b>	<b>78</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2372</b>

Daily

15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 1442  
 Percent in Pace : 60.8%  
 Number of Vehicles > 30 MPH : 1497  
 Percent of Vehicles > 30 MPH : 63.1%

<b>Grand Total</b>	<b>137</b>	<b>87</b>	<b>398</b>	<b>1207</b>	<b>1838</b>	<b>923</b>	<b>173</b>	<b>28</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4796</b>
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Overall

15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 2841  
 Percent in Pace : 59.2%  
 Number of Vehicles > 30 MPH : 2967  
 Percent of Vehicles > 30 MPH : 61.9%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**NB, SB**

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
09/18/1																
3	0	1	3	4	7	9	1	0	0	0	0	0	0	0	0	25
01:00	0	0	0	3	5	1	0	0	1	0	0	0	0	0	0	10
02:00	0	0	0	1	3	3	1	0	0	0	0	0	0	0	0	8
03:00	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
04:00	0	1	5	5	4	6	0	1	0	0	0	0	0	0	0	22
05:00	0	2	1	16	20	18	7	0	1	0	0	0	0	0	0	65
06:00	5	1	12	44	84	40	16	1	0	0	0	0	0	0	0	203
07:00	7	3	15	55	143	105	13	3	1	0	0	0	0	0	0	345
08:00	18	11	23	80	130	53	19	2	0	0	0	0	0	0	0	336
09:00	5	3	10	35	114	70	8	0	0	0	0	0	0	0	0	245
10:00	2	7	20	42	74	52	10	1	1	0	0	0	0	0	0	209
11:00	4	2	16	26	90	51	12	1	1	0	0	0	0	0	0	203
12 PM	7	5	18	25	93	66	8	0	1	0	0	0	0	0	0	223
13:00	5	2	21	49	120	69	14	0	0	0	0	0	0	0	0	280
14:00	11	2	9	92	138	81	10	1	0	0	0	0	0	0	0	344
15:00	20	8	35	124	181	67	9	1	0	0	0	0	0	0	0	445
16:00	17	5	44	105	159	78	23	1	0	0	0	0	0	0	0	432
17:00	9	3	17	78	173	73	15	3	0	0	0	0	0	0	0	371
18:00	11	7	25	77	117	59	9	1	0	0	0	0	0	0	0	306
19:00	3	2	28	65	85	36	8	2	0	0	0	0	0	0	0	229
20:00	4	0	13	62	85	27	8	0	0	0	0	0	0	0	0	199
21:00	3	5	12	40	55	35	5	1	0	0	0	0	0	0	0	156
22:00	2	0	9	27	26	14	6	1	0	0	0	0	0	0	0	85
23:00	1	3	5	11	20	19	4	2	0	0	0	0	0	0	0	65
<b>Total</b>	<b>134</b>	<b>73</b>	<b>341</b>	<b>1067</b>	<b>1928</b>	<b>1033</b>	<b>207</b>	<b>22</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4811</b>

Daily  
     15th Percentile : 24 MPH  
     50th Percentile : 31 MPH  
     85th Percentile : 37 MPH  
     95th Percentile : 40 MPH  
  
     Mean Speed(Average) : 31 MPH  
     10 MPH Pace Speed : 28-37 MPH  
     Number in Pace : 2895  
     Percent in Pace : 60.2%  
     Number of Vehicles > 30 MPH : 3196  
     Percent of Vehicles > 30 MPH : 66.4%

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**NB, 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
09/19/1															
3	0	0	2	7	16	7	2	0	0	0	0	0	0	0	34
01:00	0	0	1	3	5	3	1	1	0	0	0	0	0	0	14
02:00	0	0	2	1	2	3	1	0	0	0	0	0	0	0	9
03:00	0	1	0	1	0	3	1	0	0	0	0	0	0	0	6
04:00	0	0	2	2	2	5	1	0	0	0	0	0	0	0	12
05:00	0	2	4	7	25	17	2	1	0	0	0	0	0	0	58
06:00	2	6	9	45	86	42	10	3	0	0	0	0	0	0	203
07:00	6	2	8	67	157	86	21	1	1	0	0	0	0	0	349
08:00	15	22	20	65	120	71	18	1	0	0	0	0	0	0	332
09:00	5	6	10	39	116	53	12	2	0	0	0	0	0	0	243
10:00	4	1	19	35	73	50	10	4	0	0	0	0	0	0	196
11:00	2	5	13	55	92	51	10	4	0	0	0	0	0	0	232
12 PM	2	3	17	53	94	51	8	0	0	0	0	0	0	0	228
13:00	10	4	15	43	81	50	10	1	0	0	0	0	0	0	214
14:00	8	8	30	83	160	64	11	1	1	0	0	0	0	0	366
15:00	14	9	25	109	151	70	11	1	0	0	0	0	0	0	390
16:00	9	5	22	89	191	110	14	1	1	0	0	0	0	0	442
17:00	13	7	30	79	186	91	8	0	0	0	0	0	0	0	414
18:00	8	2	21	87	144	57	11	2	0	0	0	0	0	0	332
19:00	3	2	18	59	116	34	1	0	0	0	0	0	0	0	233
20:00	3	3	5	68	81	32	9	3	0	0	0	0	0	0	204
21:00	0	1	6	30	50	25	4	1	0	0	0	0	0	0	117
22:00	0	2	8	18	38	16	4	1	2	0	0	0	0	0	89
23:00	1	1	5	14	17	18	1	0	1	0	0	0	0	0	58
<b>Total</b>	<b>105</b>	<b>92</b>	<b>292</b>	<b>1059</b>	<b>2003</b>	<b>1009</b>	<b>181</b>	<b>28</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4775</b>

Daily

15th Percentile : 25 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 2961  
 Percent in Pace : 62.0%  
 Number of Vehicles > 30 MPH : 3227  
 Percent of Vehicles > 30 MPH : 67.6%

<b>Grand Total</b>	<b>239</b>	<b>165</b>	<b>633</b>	<b>2126</b>	<b>3931</b>	<b>2042</b>	<b>388</b>	<b>50</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9586</b>
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Overall

15th Percentile : 24 MPH  
 50th Percentile : 31 MPH  
 85th Percentile : 37 MPH  
 95th Percentile : 40 MPH

Mean Speed(Average) : 31 MPH  
 10 MPH Pace Speed : 28-37 MPH  
 Number in Pace : 5856  
 Percent in Pace : 61.1%  
 Number of Vehicles > 30 MPH : 6423  
 Percent of Vehicles > 30 MPH : 67.0%



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**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	Truck Total
09/18/1															
3	0	12	1	0	0	0	0	0	0	0	0	0	0	13	0
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3	1
03:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
04:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
05:00	0	20	12	0	2	0	0	0	0	0	0	0	0	34	2
06:00	0	75	15	0	4	0	0	0	0	0	0	0	0	94	4
07:00	0	144	52	4	8	0	0	0	0	0	0	0	0	208	12
08:00	1	129	46	4	6	0	0	1	0	1	0	0	0	188	12
09:00	0	89	40	1	7	1	0	1	0	0	0	0	0	139	10
10:00	0	77	23	0	4	1	0	0	0	0	0	0	0	105	5
11:00	1	69	28	0	8	1	0	1	0	0	0	0	0	108	10
12 PM	1	84	25	1	4	1	0	0	0	0	0	0	0	116	6
13:00	0	109	20	1	6	0	0	0	0	0	0	0	0	136	7
14:00	2	148	31	1	4	2	0	0	0	0	0	0	0	188	7
15:00	0	148	57	2	4	1	0	0	0	0	0	0	0	212	7
16:00	2	142	37	2	9	1	0	0	0	0	0	0	0	193	12
17:00	0	131	25	0	4	0	0	1	0	0	0	0	0	161	5
18:00	0	119	24	0	5	0	0	0	0	0	0	0	0	148	5
19:00	0	81	26	0	5	0	0	0	0	0	0	0	0	112	5
20:00	0	64	17	0	1	0	0	0	0	0	0	0	0	82	1
21:00	0	58	8	0	1	0	0	0	0	0	0	0	0	67	1
22:00	0	29	5	0	1	0	0	0	0	0	0	0	0	35	1
23:00	0	25	5	0	0	0	0	0	0	0	0	0	0	30	0
Total	7	1767	500	16	84	8	0	4	0	1	0	0	0	2387	113
Percent	0.3%	74.0%	20.9%	0.7%	3.5%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		4.7%
AM Peak	08:00	07:00	07:00	07:00	07:00	09:00		08:00		08:00				07:00	07:00
Vol.	1	144	52	4	8	1		1		1				208	12
PM Peak	14:00	14:00	15:00	15:00	16:00	14:00		17:00						15:00	16:00
Vol.	2	148	57	2	9	2		1						212	12



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

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	Truck Total
09/18/1															
3	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0
01:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	13	0	0	1	0	0	0	0	0	0	0	0	14	1
05:00	0	24	6	0	1	0	0	0	0	0	0	0	0	31	1
06:00	0	84	21	1	3	0	0	0	0	0	0	0	0	109	4
07:00	0	106	20	3	6	0	0	1	1	0	0	0	0	137	11
08:00	1	109	33	0	4	1	0	0	0	0	0	0	0	148	5
09:00	0	78	22	0	4	0	0	2	0	0	0	0	0	106	6
10:00	1	77	19	0	5	1	0	1	0	0	0	0	0	104	7
11:00	0	67	21	0	5	1	0	1	0	0	0	0	0	95	7
12 PM	1	86	15	0	4	1	0	0	0	0	0	0	0	107	5
13:00	0	108	25	0	9	2	0	0	0	0	0	0	0	144	11
14:00	0	118	29	1	7	1	0	0	0	0	0	0	0	156	9
15:00	2	162	54	2	13	0	0	0	0	0	0	0	0	233	15
16:00	0	189	37	2	7	3	0	1	0	0	0	0	0	239	13
17:00	0	165	37	0	8	0	0	0	0	0	0	0	0	210	8
18:00	0	131	26	0	1	0	0	0	0	0	0	0	0	158	1
19:00	0	100	17	0	0	0	0	0	0	0	0	0	0	117	0
20:00	1	94	20	0	2	0	0	0	0	0	0	0	0	117	2
21:00	0	77	8	0	4	0	0	0	0	0	0	0	0	89	4
22:00	0	46	3	0	1	0	0	0	0	0	0	0	0	50	1
23:00	0	31	3	0	1	0	0	0	0	0	0	0	0	35	1
<b>Total</b>	<b>6</b>	<b>1886</b>	<b>420</b>	<b>9</b>	<b>86</b>	<b>10</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2424</b>	<b>112</b>
<b>Percent</b>	<b>0.2%</b>	<b>77.8%</b>	<b>17.3%</b>	<b>0.4%</b>	<b>3.5%</b>	<b>0.4%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.6%</b>
AM Peak	08:00	08:00	08:00	07:00	07:00	08:00		09:00	07:00					08:00	07:00
Vol.	1	109	33	3	6	1		2	1					148	11
PM Peak	15:00	16:00	15:00	15:00	15:00	16:00		16:00						16:00	15:00
Vol.	2	189	54	2	13	3		1						239	15



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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**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	Truck Total
09/18/1															
3	0	22	3	0	0	0	0	0	0	0	0	0	0	25	0
01:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
02:00	0	5	2	0	1	0	0	0	0	0	0	0	0	8	1
03:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	19	2	0	1	0	0	0	0	0	0	0	0	22	1
05:00	0	44	18	0	3	0	0	0	0	0	0	0	0	65	3
06:00	0	159	36	1	7	0	0	0	0	0	0	0	0	203	8
07:00	0	250	72	7	14	0	0	1	1	0	0	0	0	345	23
08:00	2	238	79	4	10	1	0	1	0	1	0	0	0	336	17
09:00	0	167	62	1	11	1	0	3	0	0	0	0	0	245	16
10:00	1	154	42	0	9	2	0	1	0	0	0	0	0	209	12
11:00	1	136	49	0	13	2	0	2	0	0	0	0	0	203	17
12 PM	2	170	40	1	8	2	0	0	0	0	0	0	0	223	11
13:00	0	217	45	1	15	2	0	0	0	0	0	0	0	280	18
14:00	2	266	60	2	11	3	0	0	0	0	0	0	0	344	16
15:00	2	310	111	4	17	1	0	0	0	0	0	0	0	445	22
16:00	2	331	74	4	16	4	0	1	0	0	0	0	0	432	25
17:00	0	296	62	0	12	0	0	1	0	0	0	0	0	371	13
18:00	0	250	50	0	6	0	0	0	0	0	0	0	0	306	6
19:00	0	181	43	0	5	0	0	0	0	0	0	0	0	229	5
20:00	1	158	37	0	3	0	0	0	0	0	0	0	0	199	3
21:00	0	135	16	0	5	0	0	0	0	0	0	0	0	156	5
22:00	0	75	8	0	2	0	0	0	0	0	0	0	0	85	2
23:00	0	56	8	0	1	0	0	0	0	0	0	0	0	65	1
Total	13	3653	920	25	170	18	0	10	1	1	0	0	0	4811	225
Percent	0.3%	75.9%	19.1%	0.5%	3.5%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		4.7%
AM Peak	08:00	07:00	08:00	07:00	07:00	10:00		09:00	07:00	08:00				07:00	07:00
Vol.	2	250	79	7	14	2		3	1	1				345	23
PM Peak	12:00	16:00	15:00	15:00	15:00	16:00		16:00						15:00	16:00
Vol.	2	331	111	4	17	4		1						445	25

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

Community: Brockton  
 Com#\_UR/FC: 44\_U6  
 Recorder #: 25236  
 Layout: L6 Basic (2')

Station ID:  
 Site Code: 44  
 Date Start: 18-Sep-13  
 Date End: 19-Sep-13  
 Ash St, north of Forest Ave

**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	Truck Total
09/19/1															
3	0	30	4	0	0	0	0	0	0	0	0	0	0	34	0
01:00	0	12	1	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	8	0	0	1	0	0	0	0	0	0	0	0	9	1
03:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12	0
05:00	0	36	20	0	2	0	0	0	0	0	0	0	0	58	2
06:00	0	159	35	0	8	1	0	0	0	0	0	0	0	203	9
07:00	1	259	77	3	9	0	0	0	0	0	0	0	0	349	12
08:00	2	237	73	3	15	1	0	1	0	0	0	0	0	332	20
09:00	0	180	51	1	11	0	0	0	0	0	0	0	0	243	12
10:00	1	149	32	1	12	1	0	0	0	0	0	0	0	196	14
11:00	0	182	41	1	5	1	0	2	0	0	0	0	0	232	9
12 PM	0	162	56	1	7	2	0	0	0	0	0	0	0	228	10
13:00	1	160	44	1	7	1	0	0	0	0	0	0	0	214	9
14:00	5	270	70	2	15	1	0	2	1	0	0	0	0	366	21
15:00	3	308	63	4	9	2	0	1	0	0	0	0	0	390	16
16:00	2	346	72	3	17	2	0	0	0	0	0	0	0	442	22
17:00	4	322	81	1	6	0	0	0	0	0	0	0	0	414	7
18:00	4	265	56	0	6	1	0	0	0	0	0	0	0	332	7
19:00	2	184	39	0	8	0	0	0	0	0	0	0	0	233	8
20:00	0	166	35	0	3	0	0	0	0	0	0	0	0	204	3
21:00	0	92	24	0	1	0	0	0	0	0	0	0	0	117	1
22:00	1	78	10	0	0	0	0	0	0	0	0	0	0	89	0
23:00	0	50	6	0	2	0	0	0	0	0	0	0	0	58	2
<b>Total</b>	<b>26</b>	<b>3671</b>	<b>892</b>	<b>21</b>	<b>145</b>	<b>13</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4775</b>	<b>186</b>
<b>Percent</b>	<b>0.5%</b>	<b>76.9%</b>	<b>18.7%</b>	<b>0.4%</b>	<b>3.0%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.1%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>3.9%</b>
<b>AM Peak</b>	<b>08:00</b>	<b>07:00</b>	<b>07:00</b>	<b>07:00</b>	<b>08:00</b>	<b>06:00</b>		<b>11:00</b>						<b>07:00</b>	<b>08:00</b>
<b>Vol.</b>	<b>2</b>	<b>259</b>	<b>77</b>	<b>3</b>	<b>15</b>	<b>1</b>		<b>2</b>						<b>349</b>	<b>20</b>
<b>PM Peak</b>	<b>14:00</b>	<b>16:00</b>	<b>17:00</b>	<b>15:00</b>	<b>16:00</b>	<b>12:00</b>		<b>14:00</b>	<b>14:00</b>					<b>16:00</b>	<b>16:00</b>
<b>Vol.</b>	<b>5</b>	<b>346</b>	<b>81</b>	<b>4</b>	<b>17</b>	<b>2</b>		<b>2</b>	<b>1</b>					<b>442</b>	<b>22</b>
<b>Grand Total</b>	<b>39</b>	<b>7324</b>	<b>1812</b>	<b>46</b>	<b>315</b>	<b>31</b>	<b>0</b>	<b>16</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9586</b>	<b>411</b>
<b>Percent</b>	<b>0.4%</b>	<b>76.4%</b>	<b>18.9%</b>	<b>0.5%</b>	<b>3.3%</b>	<b>0.3%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>		<b>4.3%</b>



# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound					Torrey Street Westbound					West Street Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	26	90	17	0	133	26	63	18	5	112	20	54	10	0	84	12	72	31	1	116	445
01:45 PM	35	90	12	4	141	19	56	10	1	86	14	77	12	1	104	9	62	19	1	91	422
Total	61	180	29	4	274	45	119	28	6	198	34	131	22	1	188	21	134	50	2	207	867
02:00 PM	40	86	17	0	143	15	67	20	0	102	15	88	12	1	116	5	83	34	3	125	486
02:15 PM	36	90	15	6	147	12	66	9	7	94	18	79	7	1	105	8	68	36	16	128	474
02:30 PM	44	90	20	3	157	19	76	19	5	119	14	80	13	0	107	12	63	28	0	103	486
02:45 PM	48	79	28	2	157	20	58	17	0	95	13	73	13	2	101	7	63	28	4	102	455
Total	168	345	80	11	604	66	267	65	12	410	60	320	45	4	429	32	277	126	23	458	1901
03:00 PM	33	92	18	1	144	24	52	9	1	86	10	72	10	2	94	16	76	32	0	124	448
03:15 PM	36	106	13	2	157	15	69	9	0	93	9	74	7	0	90	13	58	30	0	101	441
03:30 PM	45	100	13	6	164	14	80	8	3	105	13	77	19	2	111	9	69	37	7	122	502
03:45 PM	48	108	16	2	174	9	66	13	0	88	14	85	13	0	112	8	66	33	1	108	482
Total	162	406	60	11	639	62	267	39	4	372	46	308	49	4	407	46	269	132	8	455	1873
04:00 PM	45	112	9	3	169	20	70	9	2	101	15	75	8	0	98	14	91	26	2	133	501
04:15 PM	48	103	14	5	170	15	68	16	0	99	14	76	2	0	92	11	80	33	1	125	486
04:30 PM	41	98	15	4	158	20	74	15	1	110	11	75	7	0	93	11	72	33	0	116	477
04:45 PM	33	122	16	2	173	21	61	14	0	96	18	69	12	0	99	10	76	31	0	117	485
Total	167	435	54	14	670	76	273	54	3	406	58	295	29	0	382	46	319	123	3	491	1949
05:00 PM	40	104	14	1	159	15	65	18	4	102	18	73	16	0	107	10	84	35	2	131	499
05:15 PM	57	120	6	2	185	26	69	13	3	111	17	80	6	0	103	11	71	40	3	125	524
05:30 PM	53	101	14	0	168	19	56	21	0	96	13	74	11	0	98	7	86	37	0	130	492
05:45 PM	43	122	15	1	181	14	65	18	1	98	16	67	11	2	96	6	81	42	1	130	505
Total	193	447	49	4	693	74	255	70	8	407	64	294	44	2	404	34	322	154	6	516	2020
Grand Total	751	1813	272	44	2880	323	1181	256	33	1793	262	1348	189	11	1810	179	1321	585	42	2127	8610
Apprch %	26.1	63	9.4	1.5		18	65.9	14.3	1.8		14.5	74.5	10.4	0.6		8.4	62.1	27.5	2		
Total %	8.7	21.1	3.2	0.5	33.4	3.8	13.7	3	0.4	20.8	3	15.7	2.2	0.1	21	2.1	15.3	6.8	0.5	24.7	
Cars	733	1785	269	0	2787	315	1168	238	0	1721	261	1315	185	0	1761	177	1286	569	0	2032	8301
% Cars	97.6	98.5	98.9	0	96.8	97.5	98.9	93	0	96	99.6	97.6	97.9	0	97.3	98.9	97.4	97.3	0	95.5	96.4
Buses	10	14	0	22	46	2	4	14	10	30	1	15	1	6	23	1	16	10	38	65	164
% Buses	1.3	0.8	0	50	1.6	0.6	0.3	5.5	30.3	1.7	0.4	1.1	0.5	54.5	1.3	0.6	1.2	1.7	90.5	3.1	1.9
Trucks	8	14	3	22	47	6	9	4	23	42	0	18	3	5	26	1	19	6	4	30	145
% Trucks	1.1	0.8	1.1	50	1.6	1.9	0.8	1.6	69.7	2.3	0	1.3	1.6	45.5	1.4	0.6	1.4	1	9.5	1.4	1.7

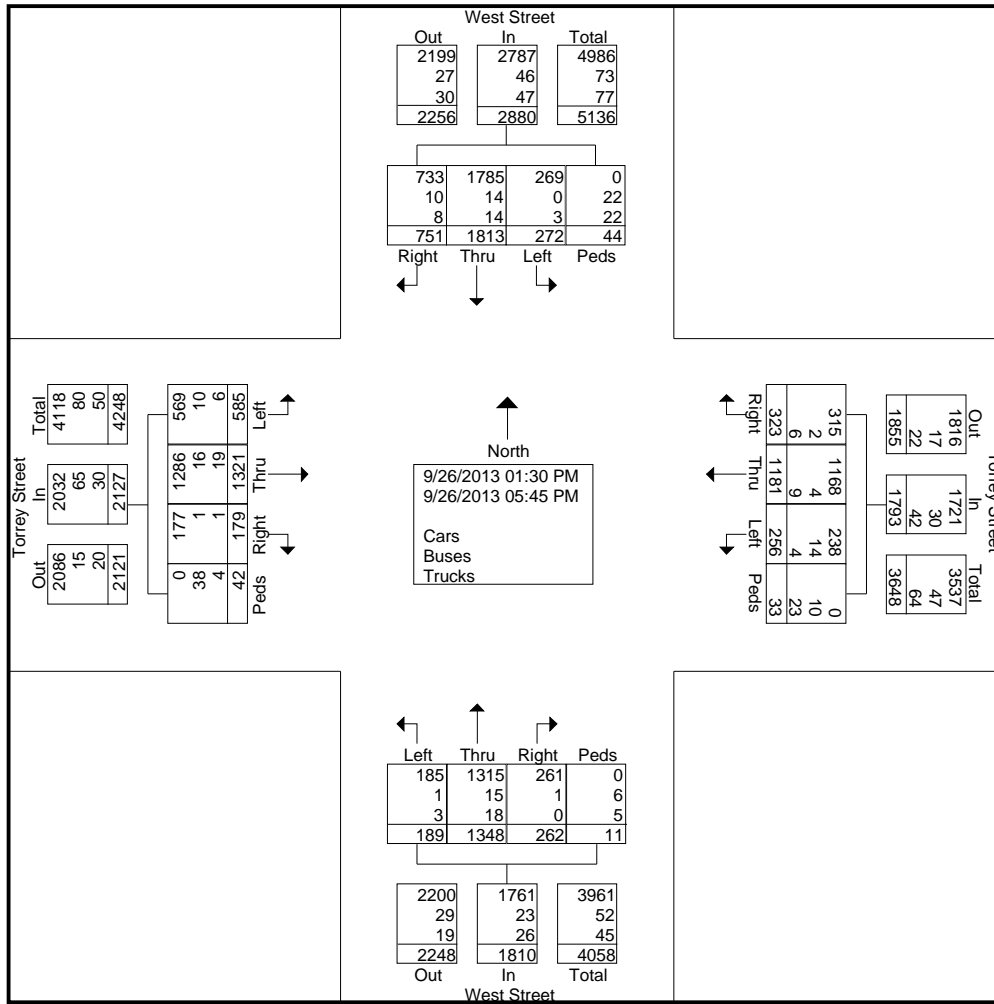


# Old Colony Planning Council

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 2





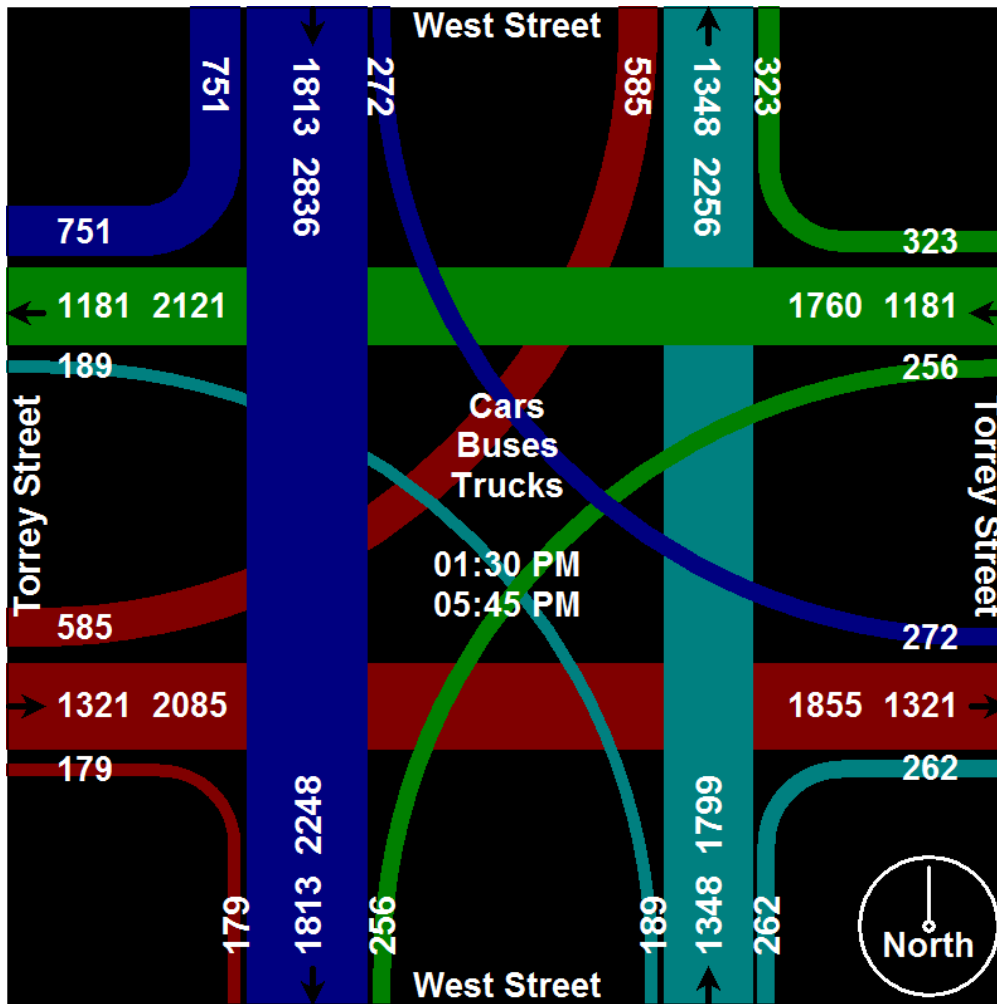


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File Name : Torrey Street @ West Street\_PM  
Site Code : 44  
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Page No : 3





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Community: Brockton  
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 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 4

Start Time	West Street Southbound					Torrey Street Westbound					West Street Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	40	104	14	1	159	15	65	18	4	102	18	73	16	0	107	10	84	35	2	131	499
05:15 PM	57	120	6	2	185	26	69	13	3	111	17	80	6	0	103	11	71	40	3	125	524
05:30 PM	53	101	14	0	168	19	56	21	0	96	13	74	11	0	98	7	86	37	0	130	492
05:45 PM	43	122	15	1	181	14	65	18	1	98	16	67	11	2	96	6	81	42	1	130	505
Total Volume	193	447	49	4	693	74	255	70	8	407	64	294	44	2	404	34	322	154	6	516	2020
% App. Total	27.8	64.5	7.1	0.6		18.2	62.7	17.2	2		15.8	72.8	10.9	0.5		6.6	62.4	29.8	1.2		
PHF	.846	.916	.817	.500	.936	.712	.924	.833	.500	.917	.889	.919	.688	.250	.944	.773	.936	.917	.500	.985	.964
Cars	189	445	49	0	683	74	253	67	0	394	64	289	43	0	396	34	317	151	0	502	1975
% Cars	97.9	99.6	100	0	98.6	100	99.2	95.7	0	96.8	100	98.3	97.7	0	98.0	100	98.4	98.1	0	97.3	97.8
Buses	1	0	0	2	3	0	0	3	1	4	0	0	0	0	0	0	2	2	5	9	16
% Buses	0.5	0	0	50.0	0.4	0	0	4.3	12.5	1.0	0	0	0	0	0	0	0.6	1.3	83.3	1.7	0.8
Trucks	3	2	0	2	7	0	2	0	7	9	0	5	1	2	8	0	3	1	1	5	29
% Trucks	1.6	0.4	0	50.0	1.0	0	0.8	0	87.5	2.2	0	1.7	2.3	100	2.0	0	0.9	0.6	16.7	1.0	1.4

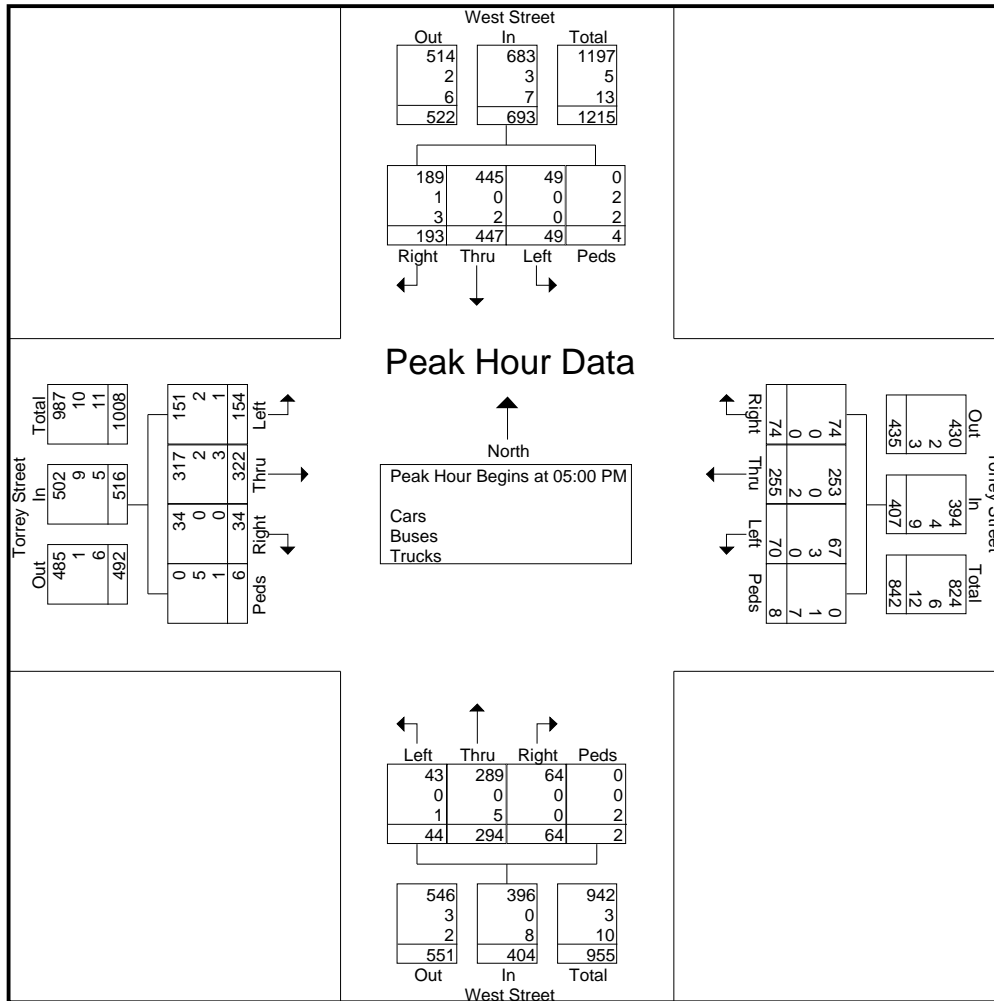


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File Name : Torrey Street @ West Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
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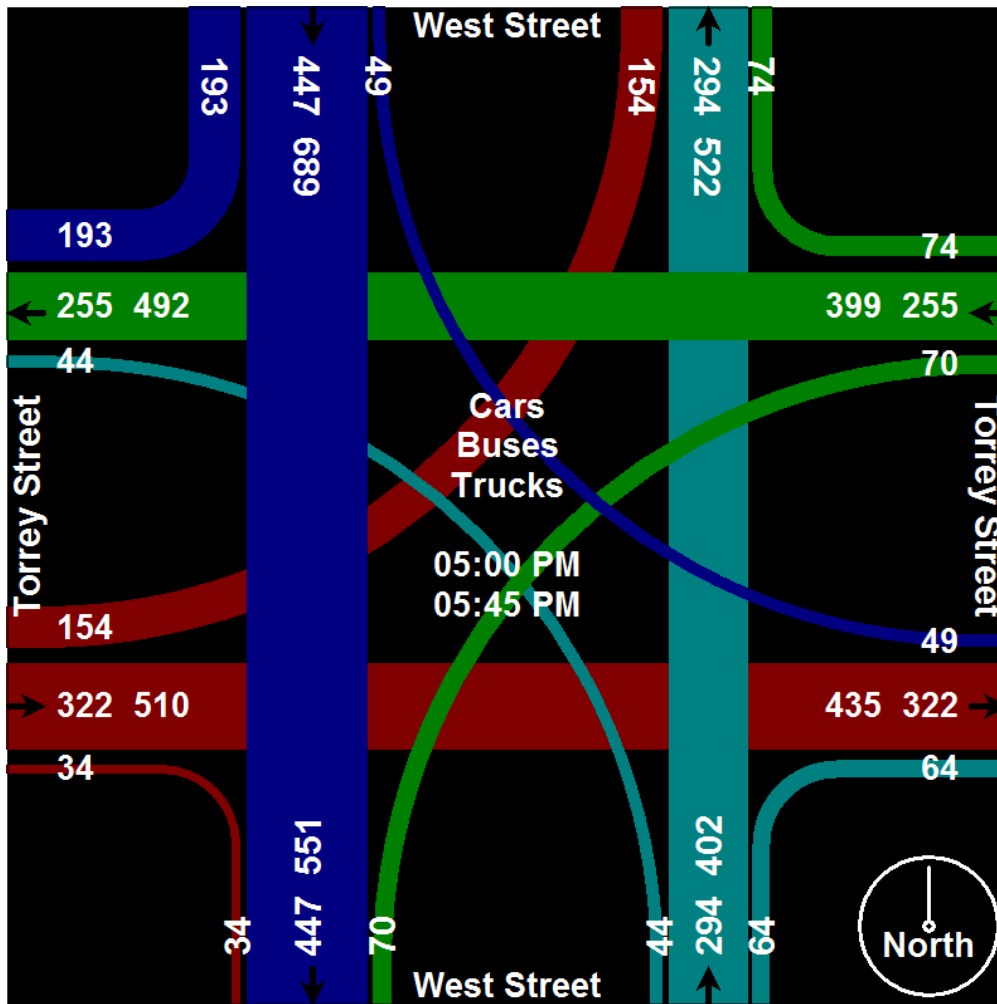


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Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (5) / AV  
Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_PM  
Site Code : 44  
Start Date : 9/26/2013  
Page No : 6





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Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (5) / AV  
Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_PM  
Site Code : 44  
Start Date : 9/26/2013  
Page No : 7

Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton

Street: Torrey Street

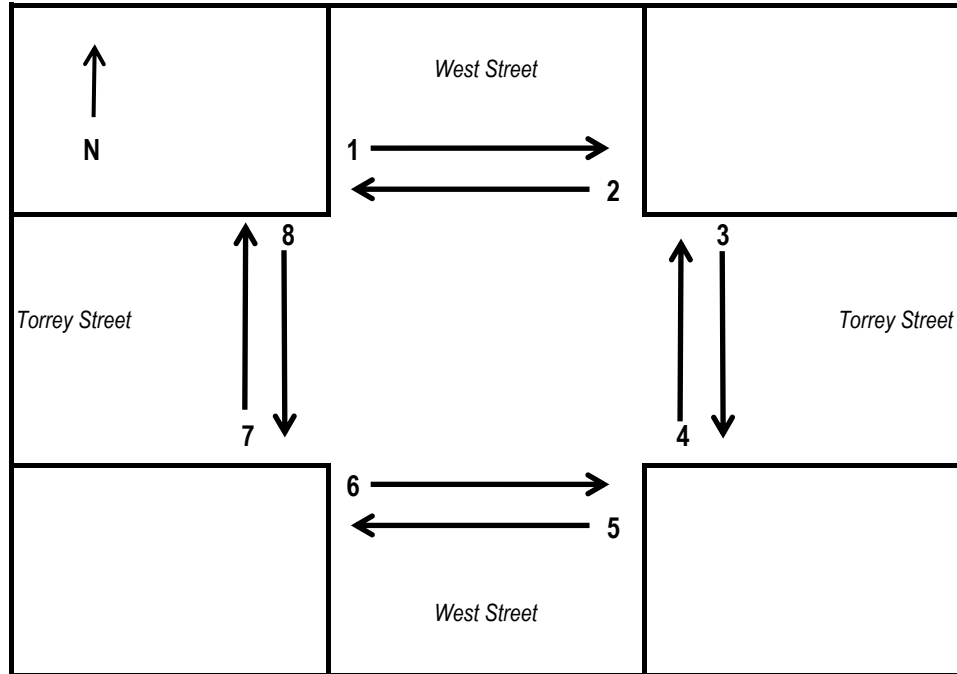
Location: @ West Street

Weather: Clear

Board #: DB-400 (5)

Staff: AV

Date: 9/26/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes								1
2:00 PM - 2:15 PM	Bikes								
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes		1						
2:45 PM - 3:00 PM	Bikes						1		
3:00 PM - 3:15 PM	Bikes		1		1				
3:15 PM - 3:30 PM	Bikes				1				
3:30 PM - 3:45 PM	Bikes				1				
3:45 PM - 4:00 PM	Bikes								1
4:00 PM - 4:15 PM	Bikes						1		
4:15 PM - 4:30 PM	Bikes								1
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes				1				
5:00 PM - 5:15 PM	Bikes				1				
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes								
5:45 PM - 6:00 PM	Bikes								1
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>

Comments:

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound					Torrey Street Westbound					West Street Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	39	89	14	2	144	12	50	20	6	88	14	70	1	0	85	3	87	21	0	111	428
07:15 AM	27	51	3	1	82	18	41	10	1	70	10	79	2	0	91	2	81	17	1	101	344
07:30 AM	33	57	15	0	105	20	41	7	1	69	14	59	3	0	76	3	62	35	0	100	350
07:45 AM	40	71	28	0	139	15	39	12	3	69	11	71	4	0	86	3	73	42	2	120	414
Total	139	268	60	3	470	65	171	49	11	296	49	279	10	0	338	11	303	115	3	432	1536
08:00 AM	48	70	19	0	137	7	34	9	0	50	12	57	3	0	72	3	44	13	0	60	319
08:15 AM	49	50	15	1	115	11	31	6	1	49	16	72	8	1	97	6	62	28	0	96	357
08:30 AM	30	60	12	0	102	15	39	6	0	60	17	63	7	1	88	4	59	33	0	96	346
08:45 AM	41	64	12	0	117	22	43	16	0	81	12	55	14	0	81	5	68	26	0	99	378
Total	168	244	58	1	471	55	147	37	1	240	57	247	32	2	338	18	233	100	0	351	1400
Grand Total	307	512	118	4	941	120	318	86	12	536	106	526	42	2	676	29	536	215	3	783	2936
Apprch %	32.6	54.4	12.5	0.4		22.4	59.3	16	2.2		15.7	77.8	6.2	0.3		3.7	68.5	27.5	0.4		
Total %	10.5	17.4	4	0.1	32.1	4.1	10.8	2.9	0.4	18.3	3.6	17.9	1.4	0.1	23	1	18.3	7.3	0.1	26.7	
Cars	296	488	114	0	898	112	306	80	0	498	103	502	41	0	646	27	512	197	0	736	2778
% Cars	96.4	95.3	96.6	0	95.4	93.3	96.2	93	0	92.9	97.2	95.4	97.6	0	95.6	93.1	95.5	91.6	0	94	94.6
Buses	7	13	1	3	24	6	6	6	9	27	2	13	0	2	17	0	17	13	2	32	100
% Buses	2.3	2.5	0.8	75	2.6	5	1.9	7	75	5	1.9	2.5	0	100	2.5	0	3.2	6	66.7	4.1	3.4
Trucks	4	11	3	1	19	2	6	0	3	11	1	11	1	0	13	2	7	5	1	15	58
% Trucks	1.3	2.1	2.5	25	2	1.7	1.9	0	25	2.1	0.9	2.1	2.4	0	1.9	6.9	1.3	2.3	33.3	1.9	2

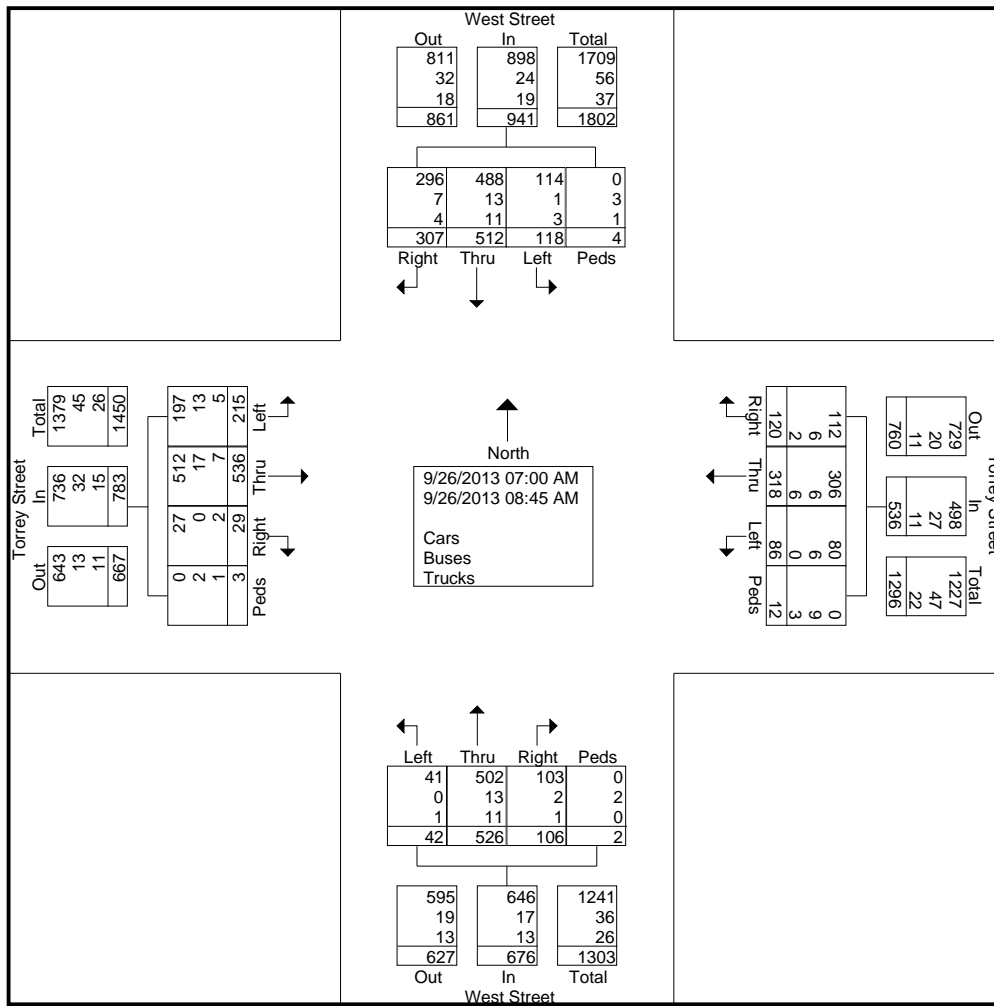


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Torrey Street @ West Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 2





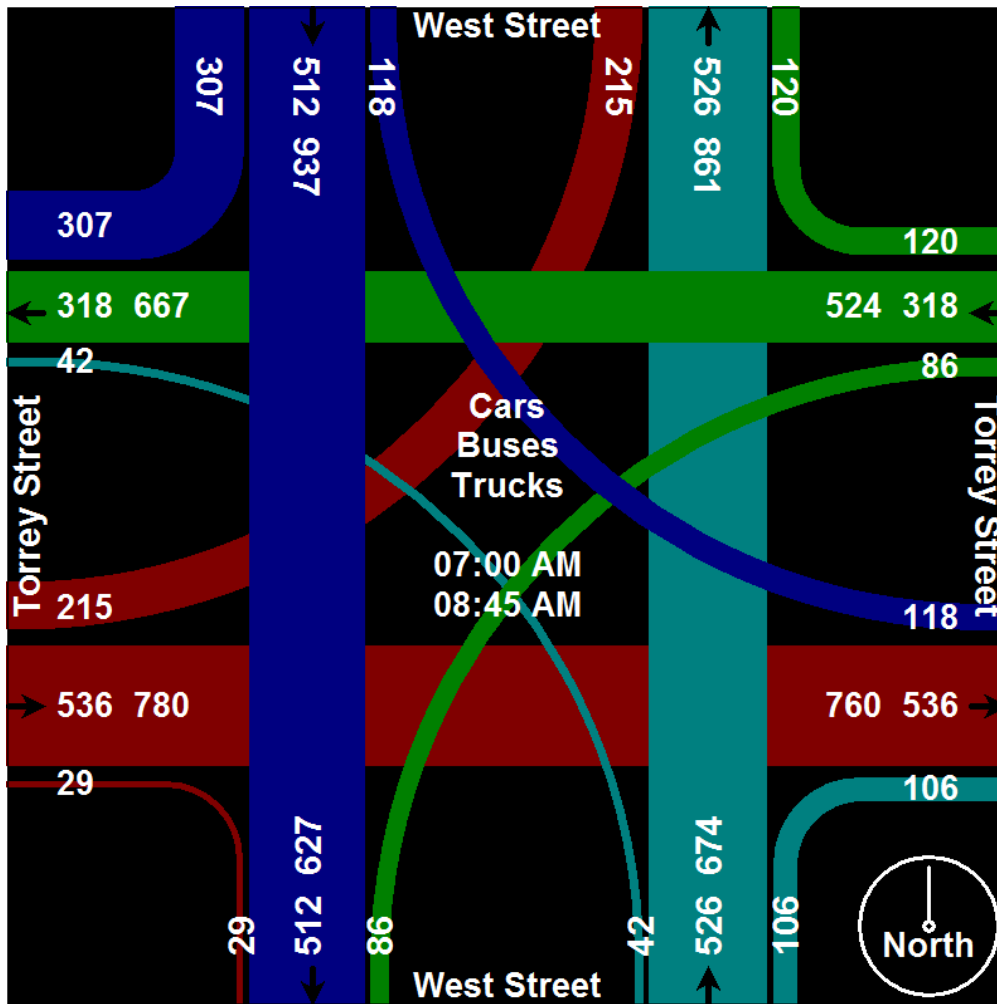


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 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 4

Start Time	West Street Southbound					Torrey Street Westbound					West Street Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	39	<b>89</b>	14	<b>2</b>	<b>144</b>	12	<b>50</b>	<b>20</b>	<b>6</b>	<b>88</b>	<b>14</b>	70	1	0	85	<b>3</b>	<b>87</b>	21	0	111	<b>428</b>
07:15 AM	27	51	3	1	82	18	41	10	1	70	10	<b>79</b>	2	0	<b>91</b>	2	81	17	1	101	344
07:30 AM	33	57	15	0	105	<b>20</b>	41	7	1	69	14	59	3	0	76	3	62	35	0	100	350
07:45 AM	<b>40</b>	71	<b>28</b>	0	139	15	39	12	3	69	11	71	<b>4</b>	0	86	3	73	<b>42</b>	<b>2</b>	<b>120</b>	414
Total Volume	139	268	60	3	470	65	171	49	11	296	49	279	10	0	338	11	303	115	3	432	1536
% App. Total	29.6	57	12.8	0.6		22	57.8	16.6	3.7		14.5	82.5	3	0		2.5	70.1	26.6	0.7		
PHF	.869	.753	.536	.375	.816	.813	.855	.613	.458	.841	.875	.883	.625	.000	.929	.917	.871	.685	.375	.900	.897
Cars	135	253	58	0	446	61	166	46	0	273	46	263	10	0	319	10	290	104	0	404	1442
% Cars	97.1	94.4	96.7	0	94.9	93.8	97.1	93.9	0	92.2	93.9	94.3	100	0	94.4	90.9	95.7	90.4	0	93.5	93.9
Buses	3	10	0	2	15	4	4	3	8	19	2	11	0	0	13	0	10	9	2	21	68
% Buses	2.2	3.7	0	66.7	3.2	6.2	2.3	6.1	72.7	6.4	4.1	3.9	0	0	3.8	0	3.3	7.8	66.7	4.9	4.4
Trucks	1	5	2	1	9	0	1	0	3	4	1	5	0	0	6	1	3	2	1	7	26
% Trucks	0.7	1.9	3.3	33.3	1.9	0	0.6	0	27.3	1.4	2.0	1.8	0	0	1.8	9.1	1.0	1.7	33.3	1.6	1.7

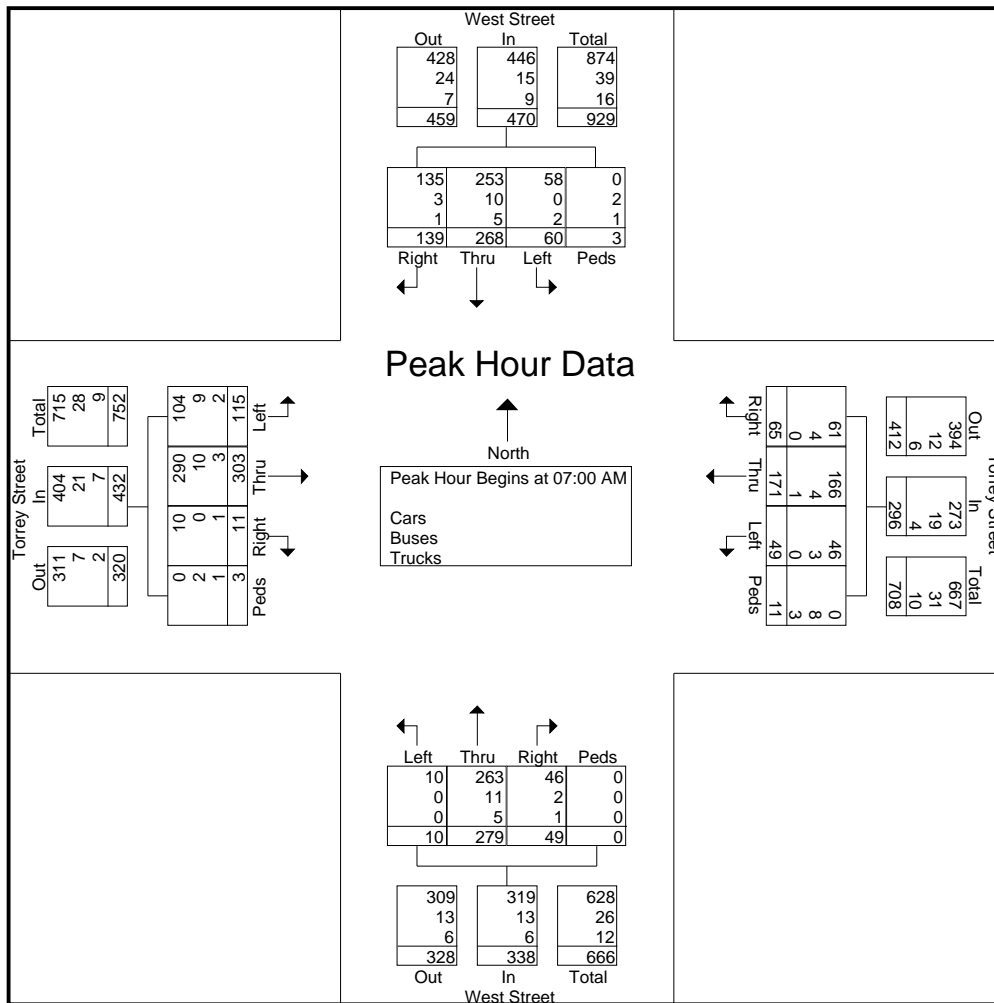


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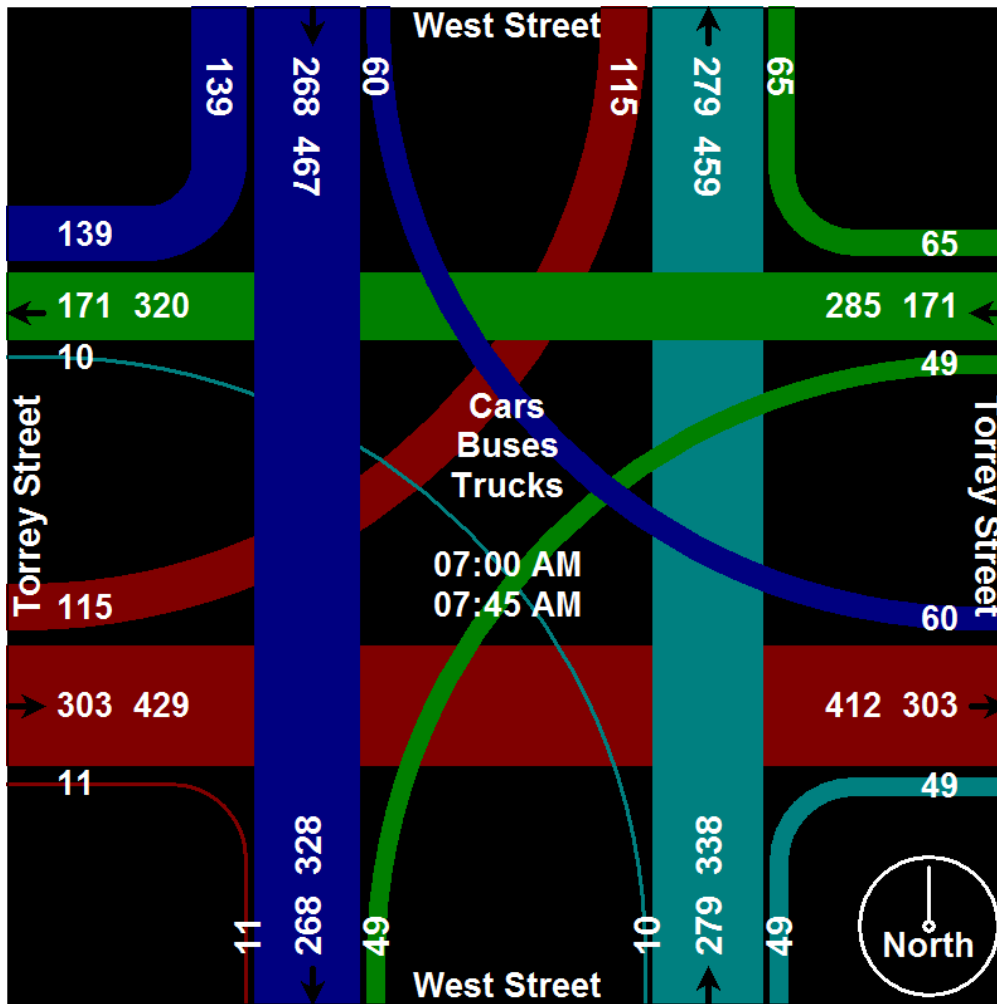


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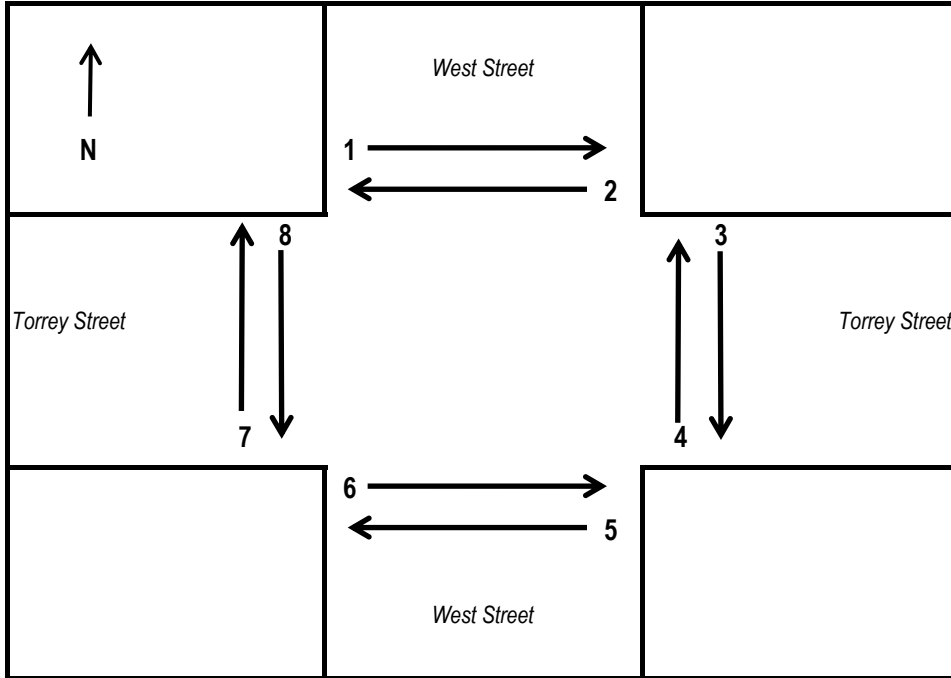
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Torrey Street  
**Location:** @ West Street  
**Weather:** Clear      **Board #:** DB-400 (5)      **Staff:** AV      **Date:** 9/26/2013



Interval		1	2	3	4	5	6	7	8
7:00 AM - 7:15 AM	Bikes		1						
7:15 AM - 7:30 AM	Bikes								
7:30 AM - 7:45 AM	Bikes				1				
7:45 AM - 8:00 AM	Bikes								
8:00 AM - 8:15 AM	Bikes						1		
8:15 AM - 8:30 AM	Bikes								
8:30 AM - 8:45 AM	Bikes								
8:45 AM - 9:00 AM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>

Comments:

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Torrey Street @ Ocean State Entrance\_PM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	Ocean State Entrance Southbound					Torrey Street Westbound					West Side Plaza Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	12	15	10	0	37	6	78	20	0	104	25	12	17	0	54	26	75	11	0	112	307
01:45 PM	4	16	3	0	23	6	60	16	0	82	13	13	23	0	49	31	83	9	0	123	277
Total	16	31	13	0	60	12	138	36	0	186	38	25	40	0	103	57	158	20	0	235	584
02:00 PM	9	10	6	0	25	4	64	16	1	85	22	6	29	0	57	30	63	10	1	104	271
02:15 PM	14	11	6	0	31	6	57	17	2	82	34	12	20	0	66	21	63	12	0	96	275
02:30 PM	12	9	6	1	28	4	82	9	2	97	17	12	20	2	51	34	69	8	0	111	287
02:45 PM	10	7	9	0	26	2	96	19	0	117	19	6	24	0	49	33	86	9	0	128	320
Total	45	37	27	1	110	16	299	61	5	381	92	36	93	2	223	118	281	39	1	439	1153
03:00 PM	11	10	4	0	25	2	93	20	1	116	17	15	36	0	68	35	74	6	0	115	324
03:15 PM	15	15	5	0	35	4	81	14	0	99	18	11	26	0	55	35	77	6	3	121	310
03:30 PM	8	10	3	0	21	4	89	17	2	112	16	11	25	0	52	35	90	3	2	130	315
03:45 PM	5	13	10	0	28	6	82	24	3	115	15	15	24	0	54	46	77	6	0	129	326
Total	39	48	22	0	109	16	345	75	6	442	66	52	111	0	229	151	318	21	5	495	1275
04:00 PM	14	12	0	0	26	3	81	21	3	108	24	14	22	0	60	39	87	10	4	140	334
04:15 PM	13	12	2	0	27	4	88	20	0	112	20	10	29	0	59	36	85	14	2	137	335
04:30 PM	15	13	6	0	34	2	93	31	0	126	23	12	30	0	65	37	92	5	0	134	359
04:45 PM	7	16	1	0	24	2	114	17	0	133	30	8	30	0	68	44	87	14	0	145	370
Total	49	53	9	0	111	11	376	89	3	479	97	44	111	0	252	156	351	43	6	556	1398
05:00 PM	16	13	4	0	33	4	74	24	0	102	20	17	22	2	61	44	97	6	0	147	343
05:15 PM	7	13	4	0	24	4	83	22	3	112	26	11	15	0	52	48	92	8	0	148	336
05:30 PM	8	14	4	0	26	3	68	14	0	85	20	10	23	0	53	55	70	12	1	138	302
05:45 PM	13	17	4	0	34	3	61	19	0	83	16	9	25	0	50	47	82	6	2	137	304
Total	44	57	16	0	117	14	286	79	3	382	82	47	85	2	216	194	341	32	3	570	1285
Grand Total	193	226	87	1	507	69	1444	340	17	1870	375	204	440	4	1023	676	1449	155	15	2295	5695
Apprch %	38.1	44.6	17.2	0.2		3.7	77.2	18.2	0.9		36.7	19.9	43	0.4		29.5	63.1	6.8	0.7		
Total %	3.4	4	1.5	0	8.9	1.2	25.4	6	0.3	32.8	6.6	3.6	7.7	0.1	18	11.9	25.4	2.7	0.3	40.3	
Cars	189	224	84	0	497	69	1407	339	0	1815	360	202	435	1	998	667	1406	154	0	2227	5537
% Cars	97.9	99.1	96.6	0	98	100	97.4	99.7	0	97.1	96	99	98.9	25	97.6	98.7	97	99.4	0	97	97.2
Buses	0	1	0	0	1	0	21	0	8	29	12	0	5	2	19	4	23	1	9	37	86
% Buses	0	0.4	0	0	0.2	0	1.5	0	47.1	1.6	3.2	0	1.1	50	1.9	0.6	1.6	0.6	60	1.6	1.5
Trucks	4	1	3	1	9	0	16	1	9	26	3	2	0	1	6	5	20	0	6	31	72
% Trucks	2.1	0.4	3.4	100	1.8	0	1.1	0.3	52.9	1.4	0.8	1	0	25	0.6	0.7	1.4	0	40	1.4	1.3

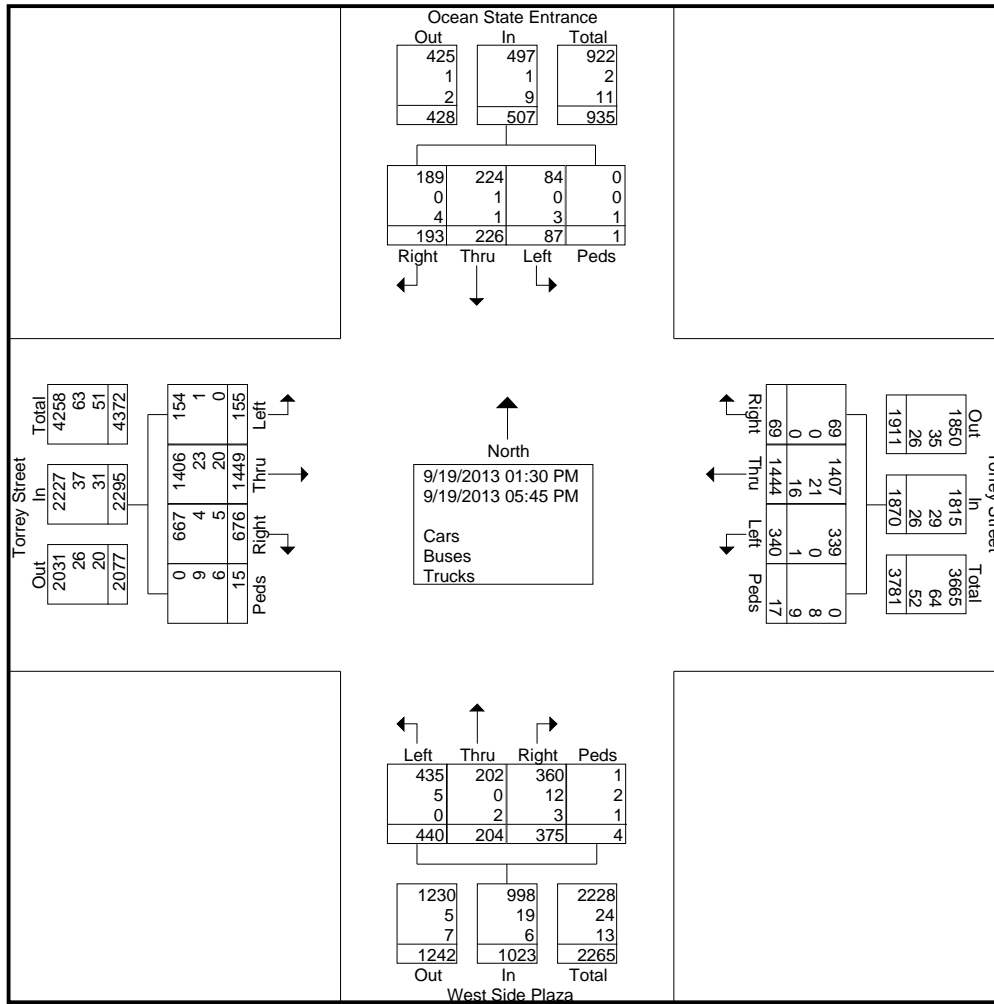


# Old Colony Planning Council

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Torrey Street @ Ocean State Entrance\_PM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 2





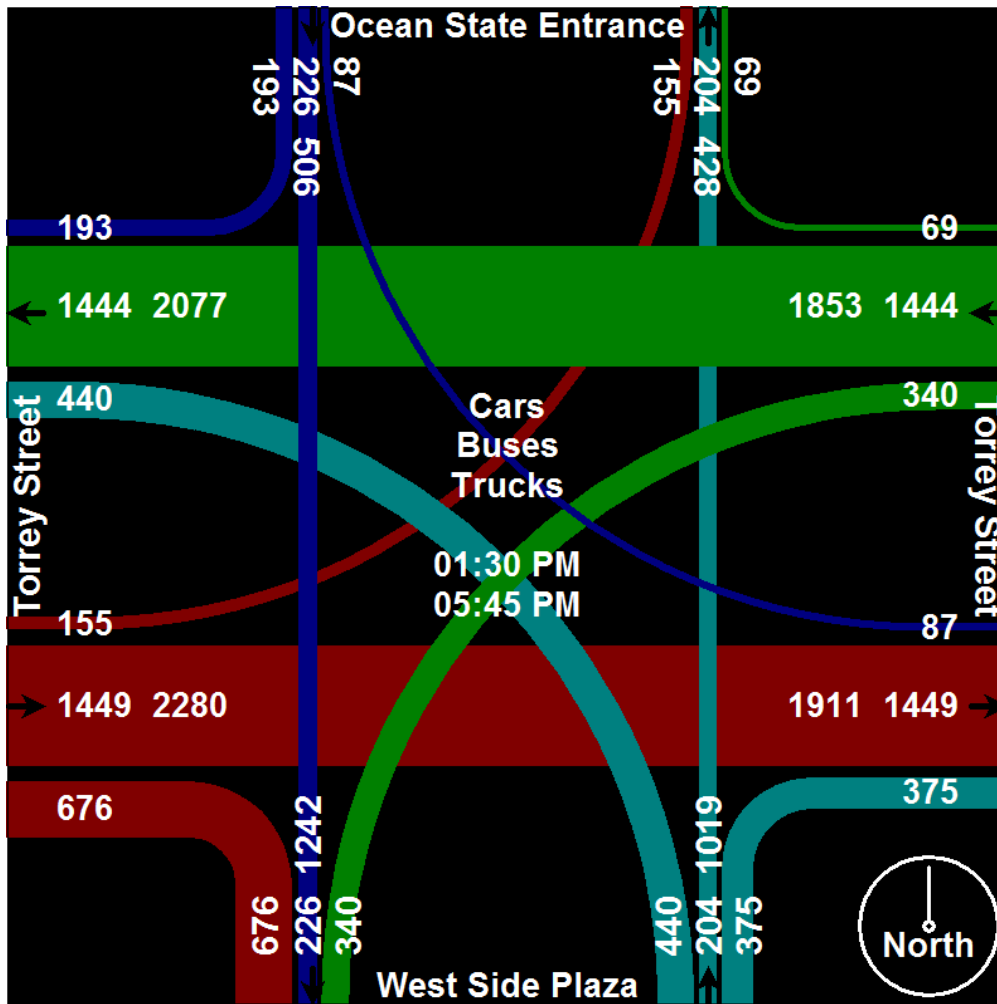


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 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 4

Start Time	Ocean State Entrance Southbound					Torrey Street Westbound					West Side Plaza Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	15	13	<b>6</b>	0	<b>34</b>	2	93	<b>31</b>	0	126	23	12	<b>30</b>	0	65	37	92	5	0	134	359
04:45 PM	7	<b>16</b>	1	0	24	2	<b>114</b>	17	0	<b>133</b>	<b>30</b>	8	30	0	<b>68</b>	44	87	<b>14</b>	0	145	<b>370</b>
05:00 PM	<b>16</b>	13	4	0	33	<b>4</b>	74	24	0	102	20	<b>17</b>	22	<b>2</b>	61	44	<b>97</b>	6	0	147	343
05:15 PM	7	13	4	0	24	4	83	22	<b>3</b>	112	26	11	15	0	52	<b>48</b>	92	8	0	<b>148</b>	336
Total Volume	45	55	15	0	115	12	364	94	3	473	99	48	97	2	246	173	368	33	0	574	1408
% App. Total	39.1	47.8	13	0		2.5	77	19.9	0.6		40.2	19.5	39.4	0.8		30.1	64.1	5.7	0		
PHF	.703	.859	.625	.000	.846	.750	.798	.758	.250	.889	.825	.706	.808	.250	.904	.901	.948	.589	.000	.970	.951
Cars	44	55	15	0	114	12	360	94	0	466	96	47	97	0	240	172	363	33	0	568	1388
% Cars	97.8	100	100	0	99.1	100	98.9	100	0	98.5	97.0	97.9	100	0	97.6	99.4	98.6	100	0	99.0	98.6
Buses	0	0	0	0	0	0	2	0	3	5	3	0	0	1	4	0	1	0	0	1	10
% Buses	0	0	0	0	0	0	0.5	0	100	1.1	3.0	0	0	50.0	1.6	0	0.3	0	0	0.2	0.7
Trucks	1	0	0	0	1	0	2	0	0	2	0	1	0	1	2	1	4	0	0	5	10
% Trucks	2.2	0	0	0	0.9	0	0.5	0	0	0.4	0	2.1	0	50.0	0.8	0.6	1.1	0	0	0.9	0.7

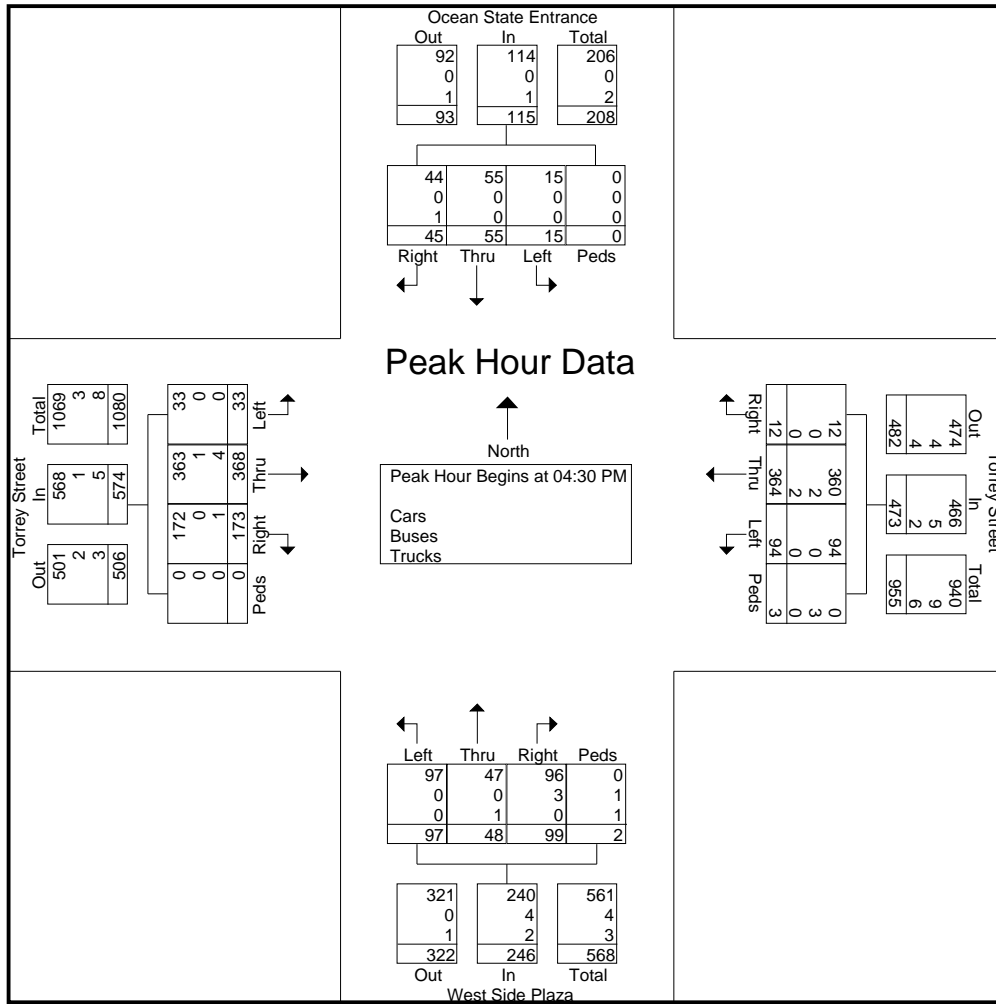


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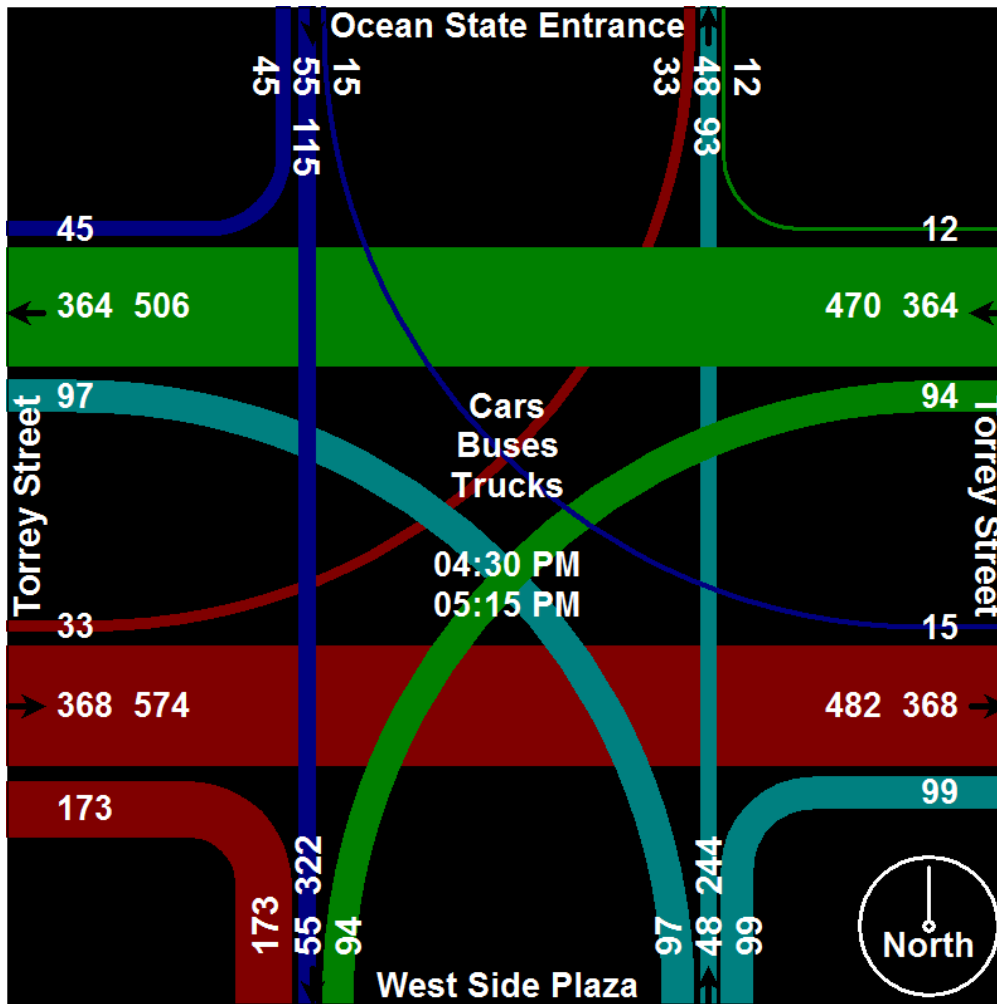


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Image 1





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### Groups Printed- Cars - Buses - Trucks

Start Time	Ocean State Entrance Southbound					Torrey Street Westbound					West Side Plaza Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	2	1	0	0	3	0	57	31	0	88	19	1	11	0	31	23	95	1	0	119	241
07:15 AM	3	1	1	0	5	0	75	12	0	87	12	0	20	0	32	10	91	2	0	103	227
07:30 AM	0	2	0	0	2	1	67	5	0	73	8	2	16	0	26	12	110	3	0	125	226
07:45 AM	1	1	0	0	2	0	84	5	0	89	3	2	14	1	20	16	107	5	0	128	239
Total	6	5	1	0	12	1	283	53	0	337	42	5	61	1	109	61	403	11	0	475	933
08:00 AM	2	1	3	0	6	2	80	8	0	90	6	2	18	0	26	22	83	5	0	110	232
08:15 AM	6	0	2	0	8	1	68	4	0	73	8	3	23	0	34	11	67	5	0	83	198
08:30 AM	9	3	2	0	14	0	65	5	0	70	7	3	19	1	30	16	89	3	0	108	222
08:45 AM	1	4	3	0	8	1	80	9	0	90	12	3	17	0	32	18	95	4	0	117	247
Total	18	8	10	0	36	4	293	26	0	323	33	11	77	1	122	67	334	17	0	418	899
Grand Total	24	13	11	0	48	5	576	79	0	660	75	16	138	2	231	128	737	28	0	893	1832
Apprch %	50	27.1	22.9	0		0.8	87.3	12	0		32.5	6.9	59.7	0.9		14.3	82.5	3.1	0		
Total %	1.3	0.7	0.6	0	2.6	0.3	31.4	4.3	0	36	4.1	0.9	7.5	0.1	12.6	7	40.2	1.5	0	48.7	
Cars	24	13	11	0	48	5	556	78	0	639	60	15	130	0	205	125	717	27	0	869	1761
% Cars	100	100	100	0	100	100	96.5	98.7	0	96.8	80	93.8	94.2	0	88.7	97.7	97.3	96.4	0	97.3	96.1
Buses	0	0	0	0	0	0	12	0	0	12	11	0	4	2	17	1	12	0	0	13	42
% Buses	0	0	0	0	0	0	2.1	0	0	1.8	14.7	0	2.9	100	7.4	0.8	1.6	0	0	1.5	2.3
Trucks	0	0	0	0	0	0	8	1	0	9	4	1	4	0	9	2	8	1	0	11	29
% Trucks	0	0	0	0	0	0	1.4	1.3	0	1.4	5.3	6.2	2.9	0	3.9	1.6	1.1	3.6	0	1.2	1.6

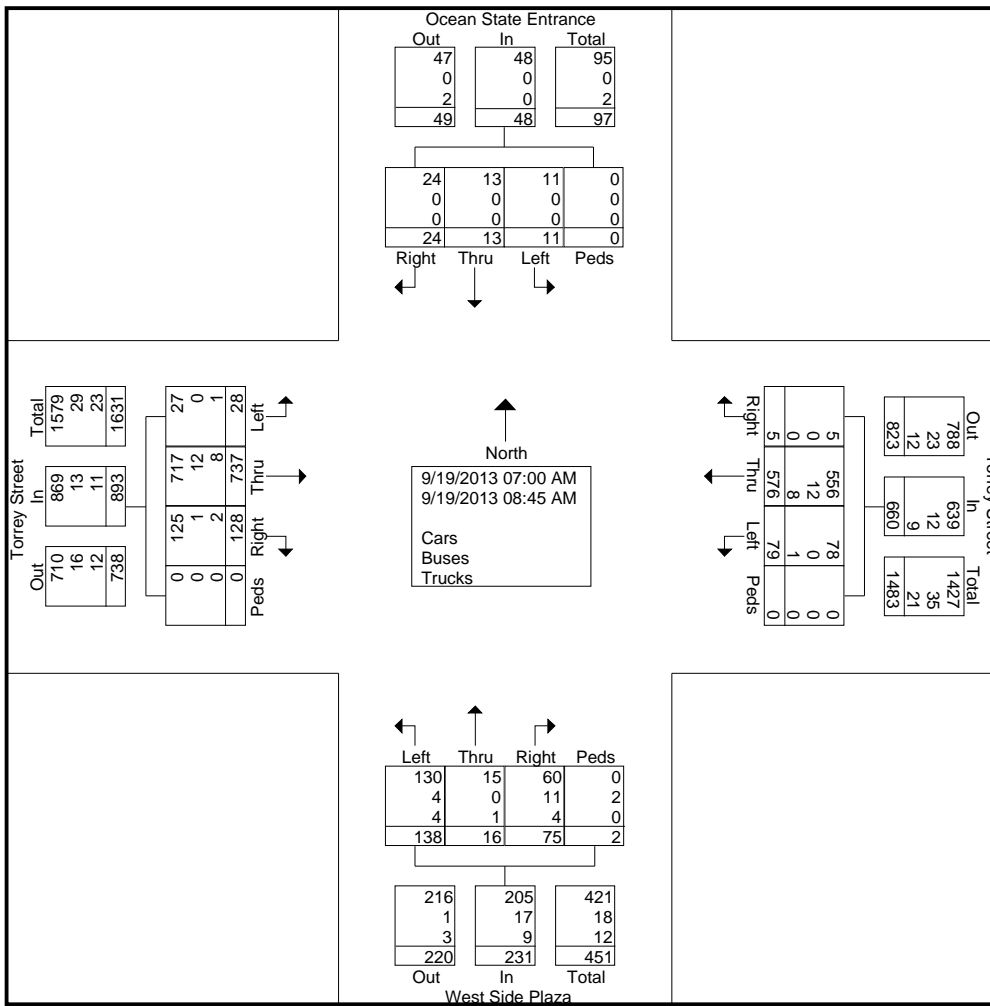


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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Torrey Street @ Ocean State Entrance\_AM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 2



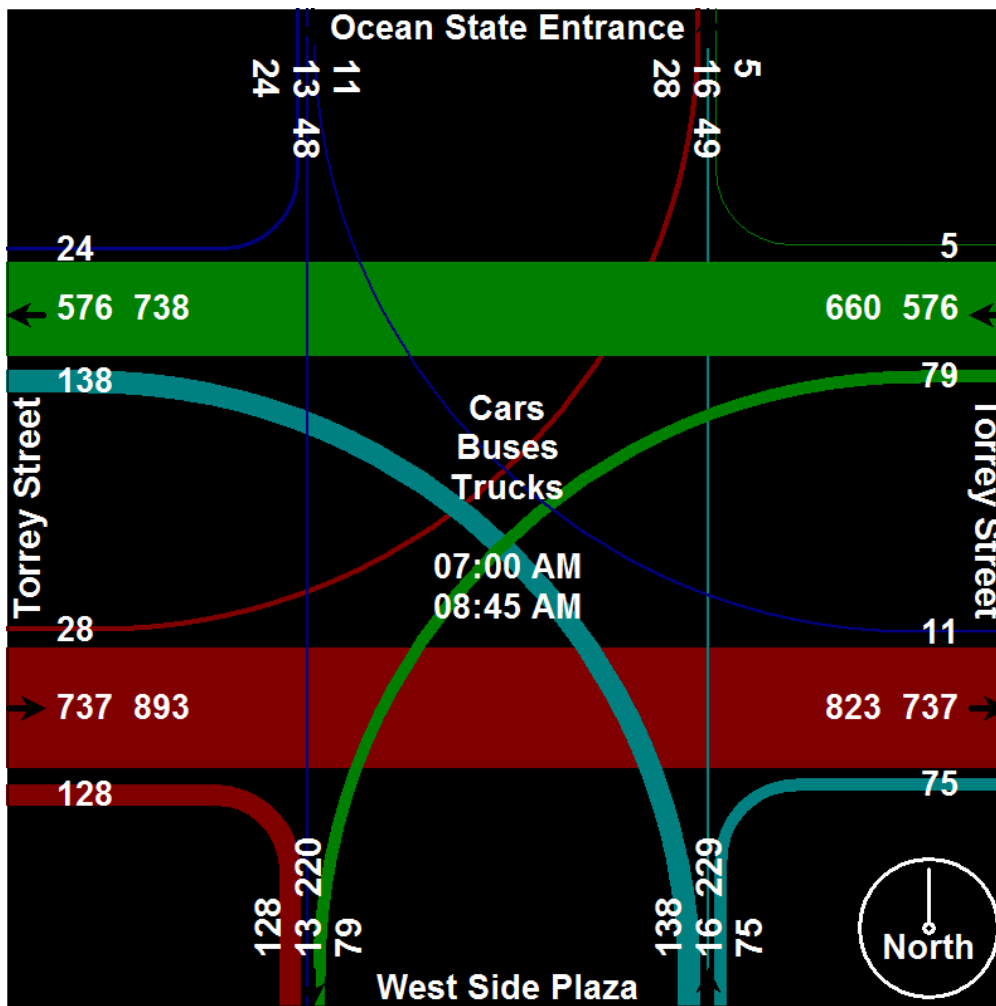


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (3) / RG  
Traffic Control: Stop Sign

File Name : Torrey Street @ Ocean State Entrance\_AM  
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# Old Colony Planning Council

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 www.ocpcrpa.org

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Torrey Street @ Ocean State Entrance\_AM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 4

Start Time	Ocean State Entrance Southbound					Torrey Street Westbound					West Side Plaza Northbound					Torrey Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	2	1	0	0	3	0	57	<b>31</b>	0	88	<b>19</b>	1	11	0	31	<b>23</b>	95	1	0	119	<b>241</b>
07:15 AM	<b>3</b>	1	<b>1</b>	0	<b>5</b>	0	75	12	0	87	12	0	<b>20</b>	0	<b>32</b>	10	91	2	0	103	227
07:30 AM	0	<b>2</b>	0	0	2	<b>1</b>	67	5	0	73	8	<b>2</b>	16	0	26	12	<b>110</b>	3	0	125	226
07:45 AM	1	1	0	0	2	0	<b>84</b>	5	0	<b>89</b>	3	2	14	<b>1</b>	20	16	107	<b>5</b>	0	<b>128</b>	239
Total Volume	6	5	1	0	12	1	283	53	0	337	42	5	61	1	109	61	403	11	0	475	933
% App. Total	50	41.7	8.3	0		0.3	84	15.7	0		38.5	4.6	56	0.9		12.8	84.8	2.3	0		
PHF	.500	.625	.250	.000	.600	.250	.842	.427	.000	.947	.553	.625	.763	.250	.852	.663	.916	.550	.000	.928	.968
Cars	6	5	1	0	12	1	275	53	0	329	34	5	56	0	95	59	392	11	0	462	898
% Cars	100	100	100	0	100	100	97.2	100	0	97.6	81.0	100	91.8	0	87.2	96.7	97.3	100	0	97.3	96.2
Buses	0	0	0	0	0	0	5	0	0	5	7	0	2	1	10	1	8	0	0	9	24
% Buses	0	0	0	0	0	0	1.8	0	0	1.5	16.7	0	3.3	100	9.2	1.6	2.0	0	0	1.9	2.6
Trucks	0	0	0	0	0	0	3	0	0	3	1	0	3	0	4	1	3	0	0	4	11
% Trucks	0	0	0	0	0	0	1.1	0	0	0.9	2.4	0	4.9	0	3.7	1.6	0.7	0	0	0.8	1.2

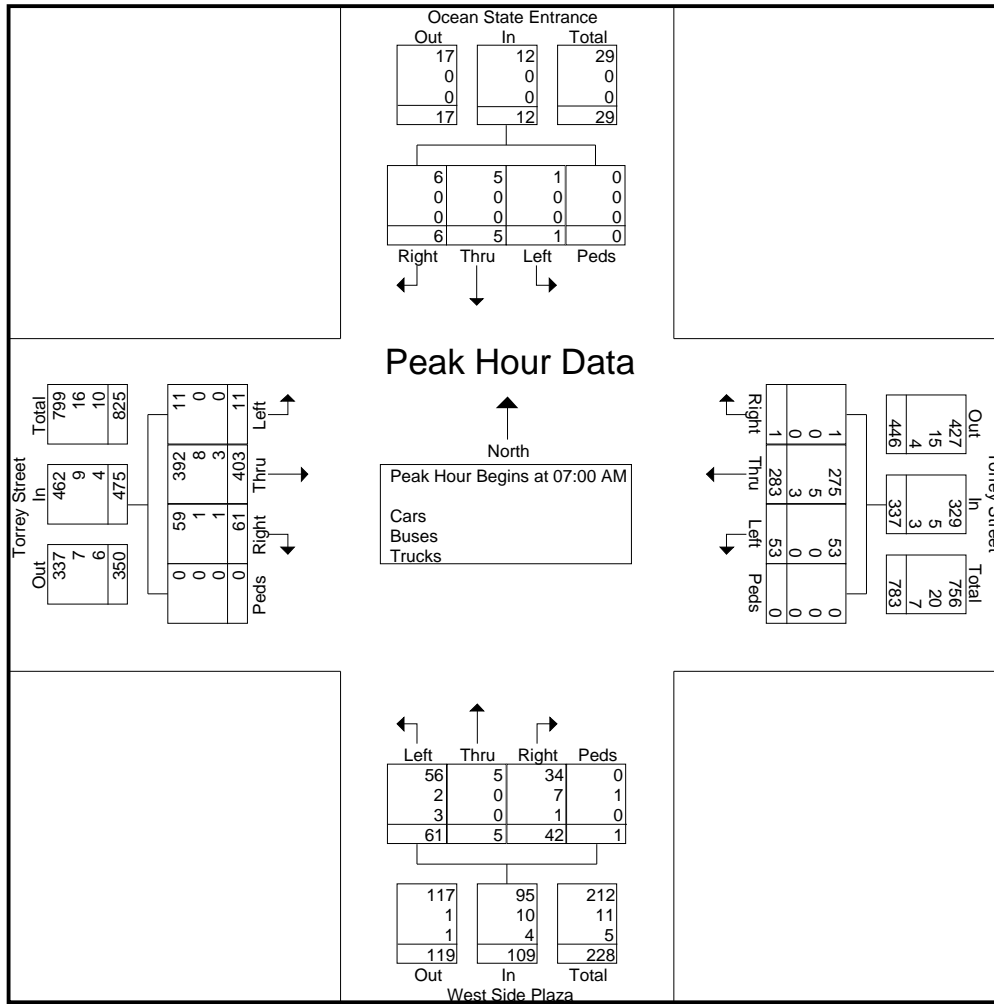


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 Page No : 5



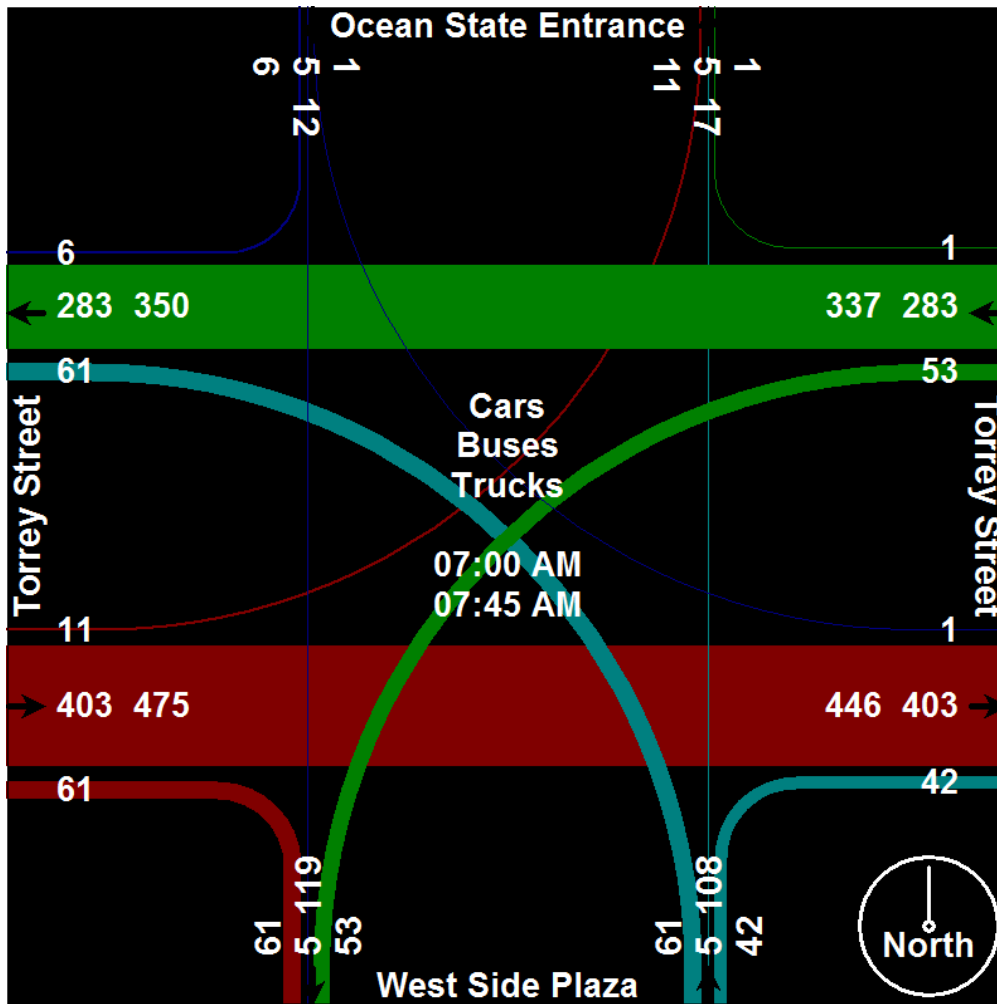


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Page No : 7

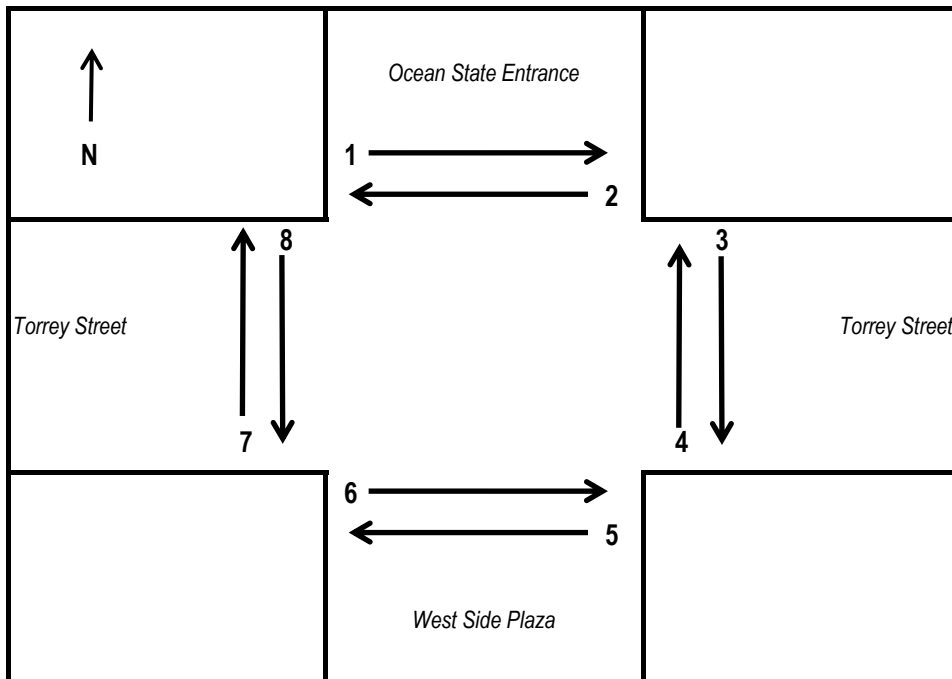
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Torrey Street  
**Location:** @ Ocean State Entrance  
**Weather:** Clear      **Board #:** DB-400 (3)      **Staff:** RG      **Date:** 9/19/2013



Interval		1	2	3	4	5	6	7	8
7:00 AM - 7:15 AM	Bikes								
7:15 AM - 7:30 AM	Bikes		1						
7:30 AM - 7:45 AM	Bikes								
7:45 AM - 8:00 AM	Bikes								
8:00 AM - 8:15 AM	Bikes		1						
8:15 AM - 8:30 AM	Bikes								
8:30 AM - 8:45 AM	Bikes								
8:45 AM - 9:00 AM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Comments:

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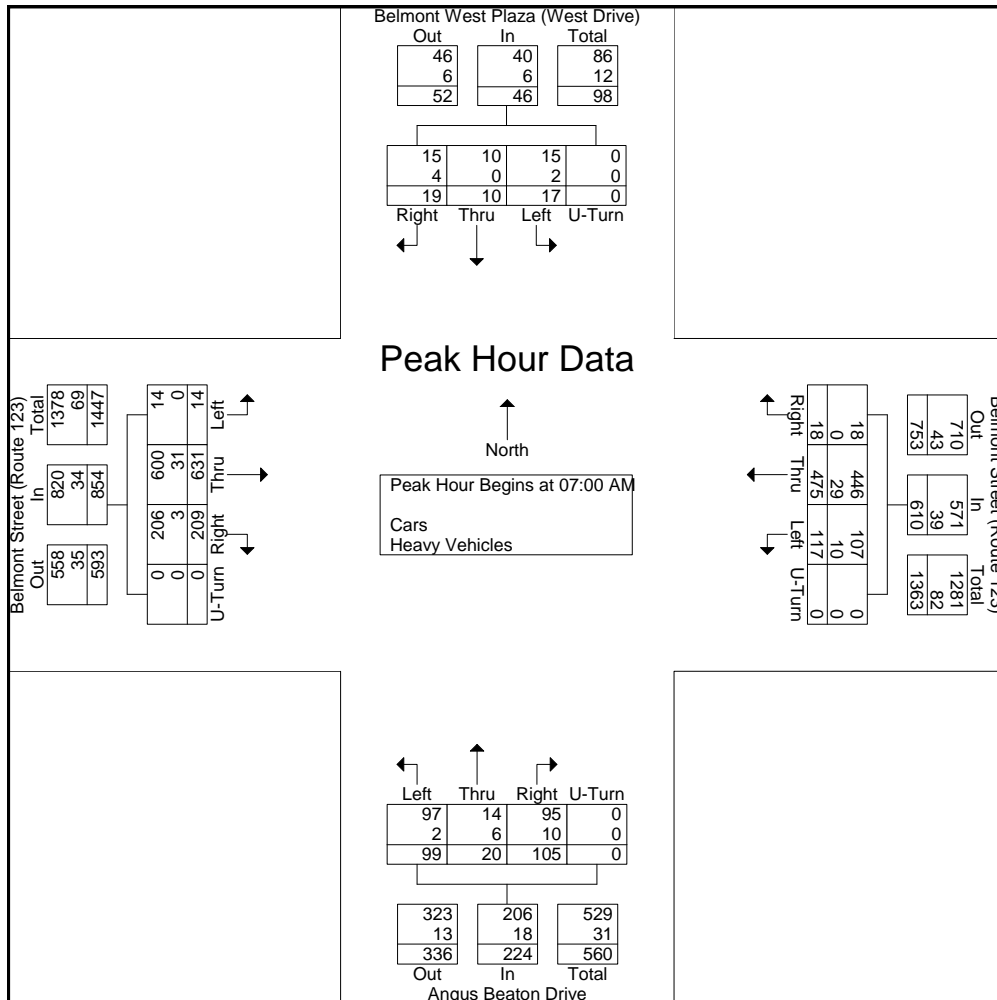
PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 A  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	4	9	0	0	13	3	82	92	0	177	49	10	49	0	108	179	117	2	0	298	596
07:15 AM	4	1	5	0	10	2	124	18	0	144	50	9	45	0	104	19	144	2	0	165	423
07:30 AM	7	0	7	0	14	6	137	2	0	145	3	1	3	0	7	6	184	6	0	196	362
07:45 AM	4	0	5	0	9	7	132	5	0	144	3	0	2	0	5	5	186	4	0	195	353
Total Volume	19	10	17	0	46	18	475	117	0	610	105	20	99	0	224	209	631	14	0	854	1734
% App. Total	41.3	21.7	37	0		3	77.9	19.2	0		46.9	8.9	44.2	0		24.5	73.9	1.6	0		
PHF	.679	.278	.607	.000	.821	.643	.867	.318	.000	.862	.525	.500	.505	.000	.519	.292	.848	.583	.000	.716	.727
Cars	15	10	15	0	40	18	446	107	0	571	95	14	97	0	206	206	600	14	0	820	1637
% Cars	78.9	100	88.2	0	87.0	100	93.9	91.5	0	93.6	90.5	70.0	98.0	0	92.0	98.6	95.1	100	0	96.0	94.4
Heavy Vehicles	4	0	2	0	6	0	29	10	0	39	10	6	2	0	18	3	31	0	0	34	97
% Heavy Vehicles	21.1	0	11.8	0	13.0	0	6.1	8.5	0	6.4	9.5	30.0	2.0	0	8.0	1.4	4.9	0	0	4.0	5.6





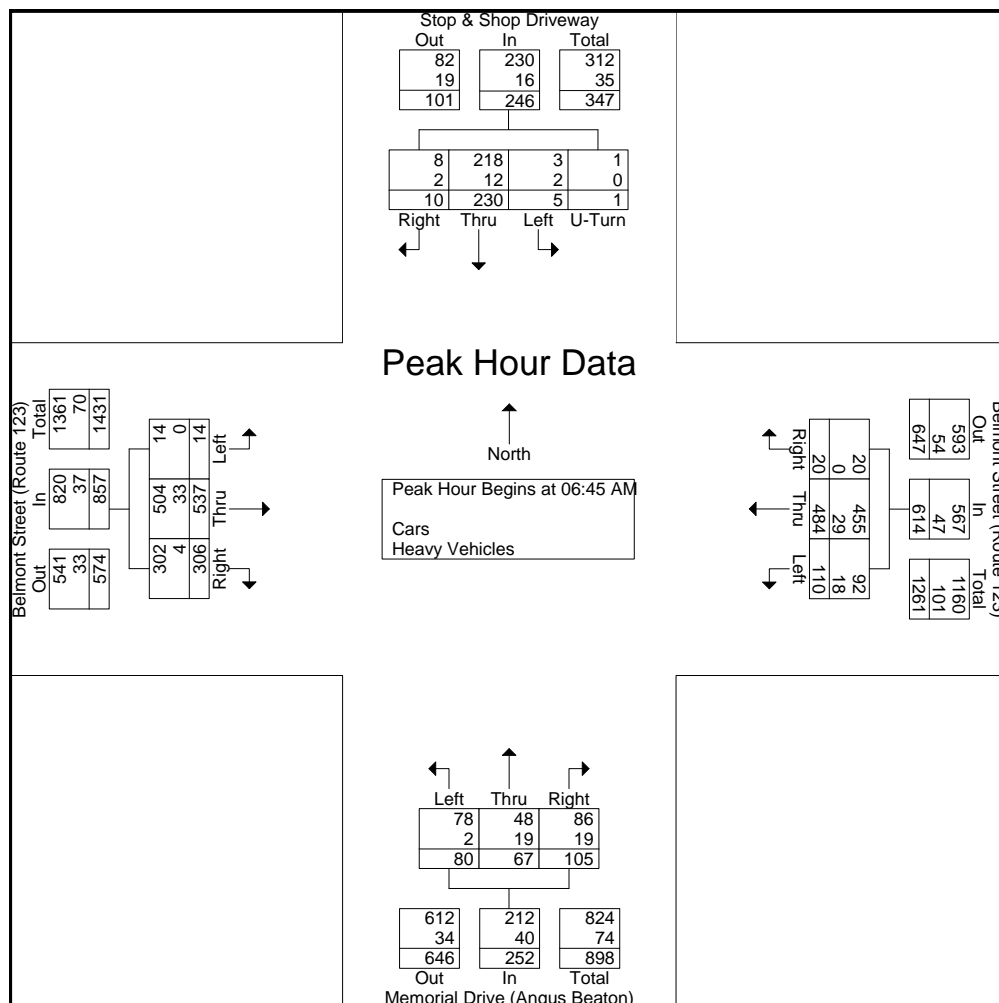
PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N/S: Stop & Shop Drwy/Memorial Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: BETA Group, Inc/G. Lucas

File Name : 102131 B  
Site Code : 3846.013  
Start Date : 3/9/2010  
Page No : 1

Start Time	Stop & Shop Driveway From North					Belmont Street (Route 123) From East				Memorial Drive (Angus Beaton) From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																		
Peak Hour for Entire Intersection Begins at 06:45 AM																		
06:45 AM	1	53	2	1	57	6	124	49	179	25	20	19	64	113	104	2	219	519
07:00 AM	0	132	0	0	132	10	89	41	140	29	24	16	69	139	99	3	241	582
07:15 AM	3	44	0	0	47	1	122	20	143	46	41	109	41	146	3	190	489	
07:30 AM	6	1	3	0	10	3	149	0	152	5	1	4	10	13	188	6	207	379
Total Volume	10	230	5	1	246	20	484	110	614	105	67	80	252	306	537	14	857	1969
% App. Total	4.1	93.5	2	0.4		3.3	78.8	17.9		41.7	26.6	31.7		35.7	62.7	1.6		
PHF	.417	.436	.417	.250	.466	.500	.812	.561	.858	.571	.698	.488	.578	.550	.714	.583	.889	.846
Cars	8	218	3	1	230	20	455	92	567	86	48	78	212	302	504	14	820	1829
% Cars	80.0	94.8	60.0	100	93.5	100	94.0	83.6	92.3	81.9	71.6	97.5	84.1	98.7	93.9	100	95.7	92.9
Heavy Vehicles	2	12	2	0	16	0	29	18	47	19	19	2	40	4	33	0	37	140
% Heavy Vehicles	20.0	5.2	40.0	0	6.5	0	6.0	16.4	7.7	18.1	28.4	2.5	15.9	1.3	6.1	0	4.3	7.1





# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: TDC-8 (2) / JC  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (West Location)\_PM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound					Forest Avenue Westbound					West Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	1	2	0	0	3	0	26	43	0	69	58	1	0	1	60	1	25	0	0	26	158
01:45 PM	2	4	0	0	6	0	35	54	0	89	52	2	2	0	56	1	36	0	0	37	188
Total	3	6	0	0	9	0	61	97	0	158	110	3	2	1	116	2	61	0	0	63	346
02:00 PM	1	5	0	0	6	0	34	36	1	71	58	7	4	0	69	1	24	1	1	27	173
02:15 PM	2	4	0	0	6	0	32	43	4	79	62	4	4	3	73	1	29	2	0	32	190
02:30 PM	0	2	0	0	2	0	35	46	0	81	52	2	1	1	56	1	46	0	0	47	186
02:45 PM	3	4	0	0	7	1	55	54	0	110	84	1	2	1	88	1	31	1	1	34	239
Total	6	15	0	0	21	1	156	179	5	341	256	14	11	5	286	4	130	4	2	140	788
03:00 PM	2	1	0	0	3	0	49	46	0	95	61	6	1	1	69	0	47	0	0	47	214
03:15 PM	1	2	2	0	5	0	50	57	0	107	71	2	1	3	77	1	46	1	0	48	237
03:30 PM	1	2	1	0	4	0	42	64	0	106	90	1	2	2	95	2	38	0	0	40	245
03:45 PM	1	2	1	2	6	0	36	56	0	92	116	0	0	3	119	1	62	0	0	63	280
Total	5	7	4	2	18	0	177	223	0	400	338	9	4	9	360	4	193	1	0	198	976
04:00 PM	1	2	0	0	3	0	42	65	0	107	90	2	0	1	93	0	45	1	0	46	249
04:15 PM	2	1	0	0	3	0	35	58	0	93	100	0	0	0	100	2	60	0	0	62	258
04:30 PM	0	3	1	1	5	0	47	51	0	98	94	2	1	2	99	2	54	0	0	56	258
04:45 PM	1	3	0	0	4	0	56	50	0	106	82	2	0	1	85	4	51	0	0	55	250
Total	4	9	1	1	15	0	180	224	0	404	366	6	1	4	377	8	210	1	0	219	1015
05:00 PM	0	7	0	0	7	0	43	64	0	107	104	8	0	0	112	4	47	0	0	51	277
05:15 PM	0	6	0	0	6	0	35	49	0	84	103	4	0	0	107	5	55	0	0	60	257
05:30 PM	2	7	0	0	9	0	30	54	2	86	75	0	0	0	75	6	63	1	0	70	240
05:45 PM	0	7	1	2	10	0	34	50	0	84	88	0	0	2	90	1	86	0	0	87	271
Total	2	27	1	2	32	0	142	217	2	361	370	12	0	2	384	16	251	1	0	268	1045
Grand Total	20	64	6	5	95	1	716	940	7	1664	1440	44	18	21	1523	34	845	7	2	888	4170
Apprch %	21.1	67.4	6.3	5.3		0.1	43	56.5	0.4		94.6	2.9	1.2	1.4		3.8	95.2	0.8	0.2		
Total %	0.5	1.5	0.1	0.1	2.3	0	17.2	22.5	0.2	39.9	34.5	1.1	0.4	0.5	36.5	0.8	20.3	0.2	0	21.3	
Cars	20	62	6	0	88	1	707	903	0	1611	1410	43	18	0	1471	33	831	7	0	871	4041
% Cars	100	96.9	100	0	92.6	100	98.7	96.1	0	96.8	97.9	97.7	100	0	96.6	97.1	98.3	100	0	98.1	96.9
Buses	0	0	0	1	1	0	4	13	1	18	9	0	0	11	20	0	8	0	1	9	48
% Buses	0	0	0	20	1.1	0	0.6	1.4	14.3	1.1	0.6	0	0	52.4	1.3	0	0.9	0	50	1	1.2
Trucks	0	2	0	4	6	0	5	24	6	35	21	1	0	10	32	1	6	0	1	8	81
% Trucks	0	3.1	0	80	6.3	0	0.7	2.6	85.7	2.1	1.5	2.3	0	47.6	2.1	2.9	0.7	0	50	0.9	1.9



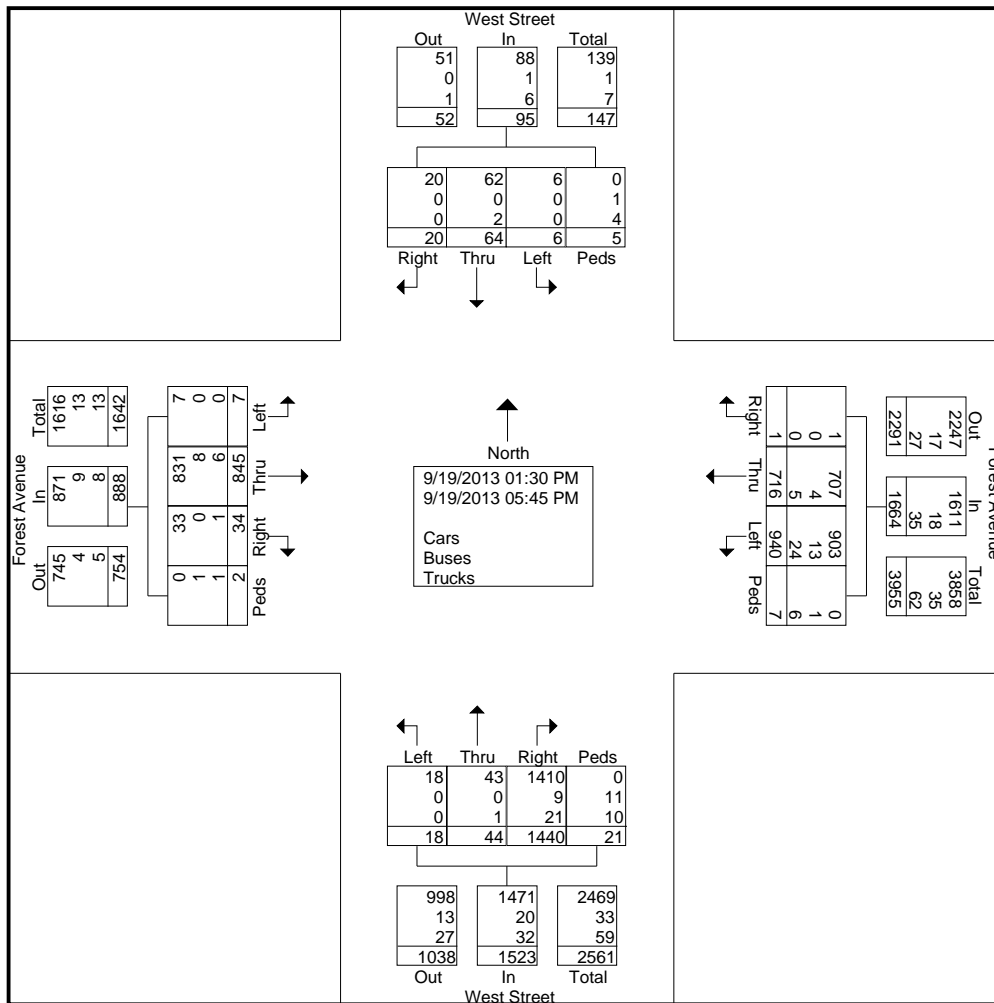


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 Board # & Staff: TDC-8 (2) / JC  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (West Location)\_PM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 2



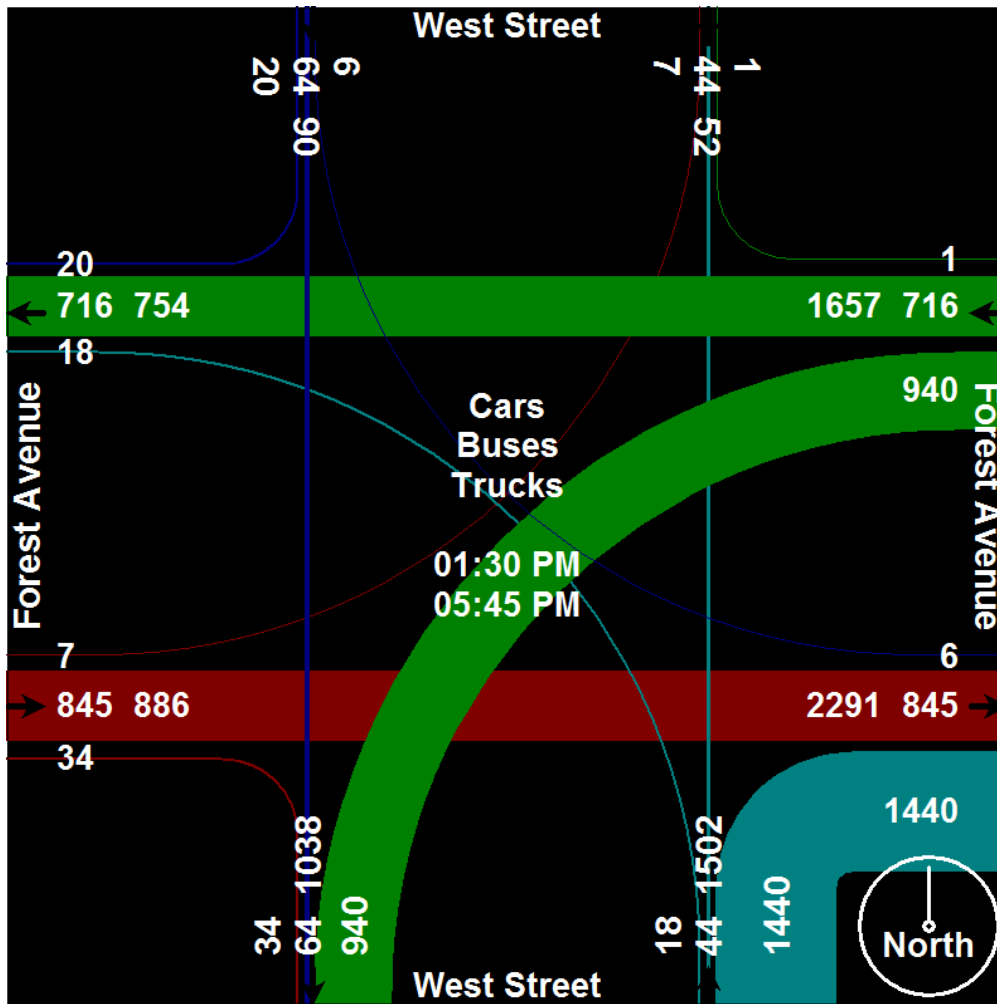


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 Page No : 4

Start Time	West Street Southbound					Forest Avenue Westbound					West Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 03:45 PM																					
03:45 PM	1	2	1	2	6	0	36	56	0	92	116	0	0	3	119	1	62	0	0	63	280
04:00 PM	1	2	0	0	3	0	42	65	0	107	90	2	0	1	93	0	45	1	0	46	249
04:15 PM	2	1	0	0	3	0	35	58	0	93	100	0	0	0	100	2	60	0	0	62	258
04:30 PM	0	3	1	1	5	0	47	51	0	98	94	2	1	2	99	2	54	0	0	56	258
Total Volume	4	8	2	3	17	0	160	230	0	390	400	4	1	6	411	5	221	1	0	227	1045
% App. Total	23.5	47.1	11.8	17.6		0	41	59	0		97.3	1	0.2	1.5		2.2	97.4	0.4	0		
PHF	.500	.667	.500	.375	.708	.000	.851	.885	.000	.911	.862	.500	.250	.500	.863	.625	.891	.250	.000	.901	.933
Cars	4	7	2	0	13	0	159	223	0	382	393	4	1	0	398	4	218	1	0	223	1016
% Cars	100	87.5	100	0	76.5	0	99.4	97.0	0	97.9	98.3	100	100	0	96.8	80.0	98.6	100	0	98.2	97.2
Buses	0	0	0	1	1	0	0	3	0	3	2	0	0	2	4	0	3	0	0	3	11
% Buses	0	0	0	33.3	5.9	0	0	1.3	0	0.8	0.5	0	0	33.3	1.0	0	1.4	0	0	1.3	1.1
Trucks	0	1	0	2	3	0	1	4	0	5	5	0	0	4	9	1	0	0	0	1	18
% Trucks	0	12.5	0	66.7	17.6	0	0.6	1.7	0	1.3	1.3	0	0	66.7	2.2	20.0	0	0	0	0.4	1.7



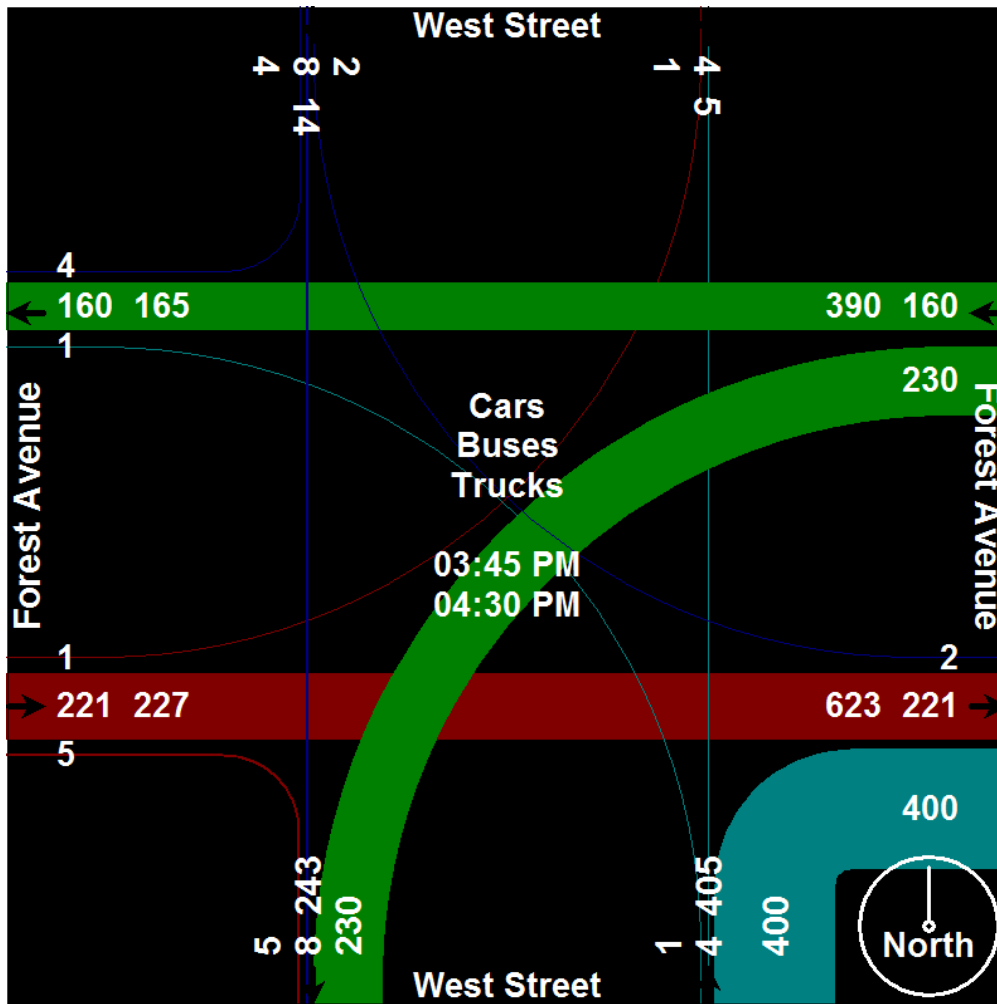


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Community: Brockton  
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Board # & Staff: TDC-8 (2) / JC  
Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (West Location)\_PM  
Site Code : 44  
Start Date : 9/19/2013  
Page No : 6





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File Name : Forest Ave. @ West Street (West Location)\_PM  
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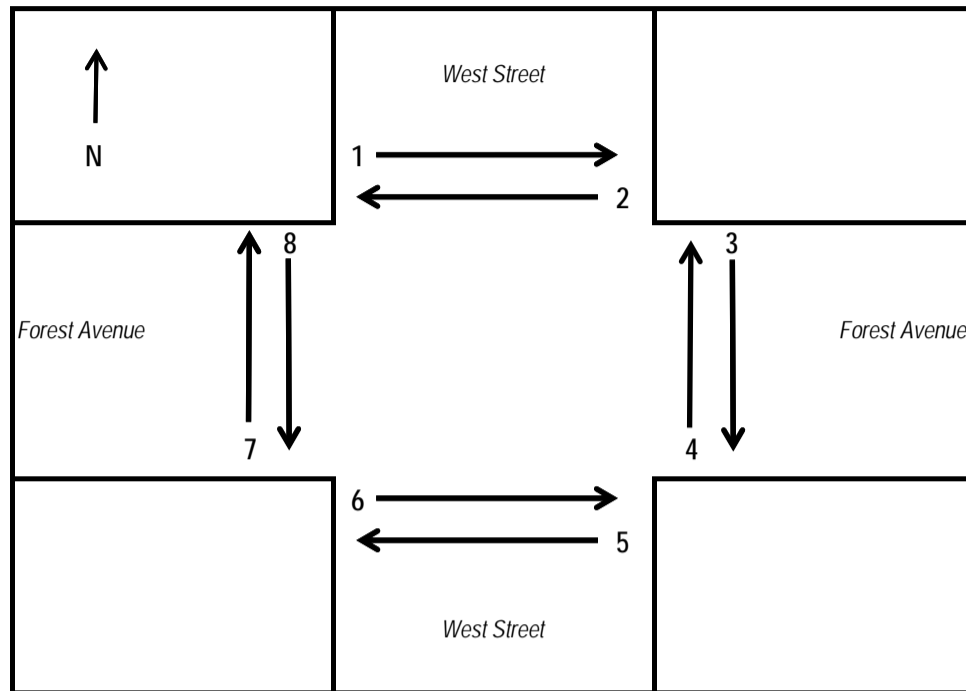
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton  
 Street: Forest Avenue  
 Location: @ West Street (West Side)  
 Weather: Clear Board #: TDC-8 (2) Staff: JC Date: 9/19/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes								
2:00 PM - 2:15 PM	Bikes								
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes								
3:00 PM - 3:15 PM	Bikes								
3:15 PM - 3:30 PM	Bikes						1		
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes					1			
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes						2	1	
5:00 PM - 5:15 PM	Bikes								
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes						1		
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	0	0	0	0	1	4	1	0

Comments:

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# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (West Location)\_AM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound					Forest Avenue Westbound					West Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	24	3	0	27	0	9	13	15	37	18	23	2	0	43	6	16	0	0	22	129
07:15 AM	0	2	0	0	2	0	23	37	0	60	24	4	0	0	28	1	13	1	0	15	105
07:30 AM	1	1	0	0	2	0	17	44	0	61	25	0	0	0	25	0	9	0	0	9	97
07:45 AM	1	0	0	0	1	0	24	53	0	77	28	2	1	0	31	1	8	0	0	9	118
Total	2	27	3	0	32	0	73	147	15	235	95	29	3	0	127	8	46	1	0	55	449
08:00 AM	1	1	0	0	2	0	29	57	0	86	45	0	1	0	46	1	14	0	2	17	151
08:15 AM	0	2	0	1	3	0	33	51	0	84	40	3	0	0	43	1	18	0	0	19	149
08:30 AM	0	1	0	0	1	0	31	45	0	76	50	0	0	0	50	0	12	0	0	12	139
08:45 AM	2	1	0	0	3	0	41	45	0	86	48	1	0	1	50	0	21	0	0	21	160
Total	3	5	0	1	9	0	134	198	0	332	183	4	1	1	189	2	65	0	2	69	599
Grand Total	5	32	3	1	41	0	207	345	15	567	278	33	4	1	316	10	111	1	2	124	1048
Apprch %	12.2	78	7.3	2.4		0	36.5	60.8	2.6		88	10.4	1.3	0.3		8.1	89.5	0.8	1.6		
Total %	0.5	3.1	0.3	0.1	3.9	0	19.8	32.9	1.4	54.1	26.5	3.1	0.4	0.1	30.2	1	10.6	0.1	0.2	11.8	
Cars	5	32	3	0	40	0	203	334	0	537	260	32	4	1	297	10	110	1	0	121	995
% Cars	100	100	100	0	97.6	0	98.1	96.8	0	94.7	93.5	97	100	100	94	100	99.1	100	0	97.6	94.9
Buses	0	0	0	1	1	0	2	5	13	20	6	0	0	0	6	0	1	0	2	3	30
% Buses	0	0	0	100	2.4	0	1	1.4	86.7	3.5	2.2	0	0	0	1.9	0	0.9	0	100	2.4	2.9
Trucks	0	0	0	0	0	0	2	6	2	10	12	1	0	0	13	0	0	0	0	0	23
% Trucks	0	0	0	0	0	0	1	1.7	13.3	1.8	4.3	3	0	0	4.1	0	0	0	0	0	2.2



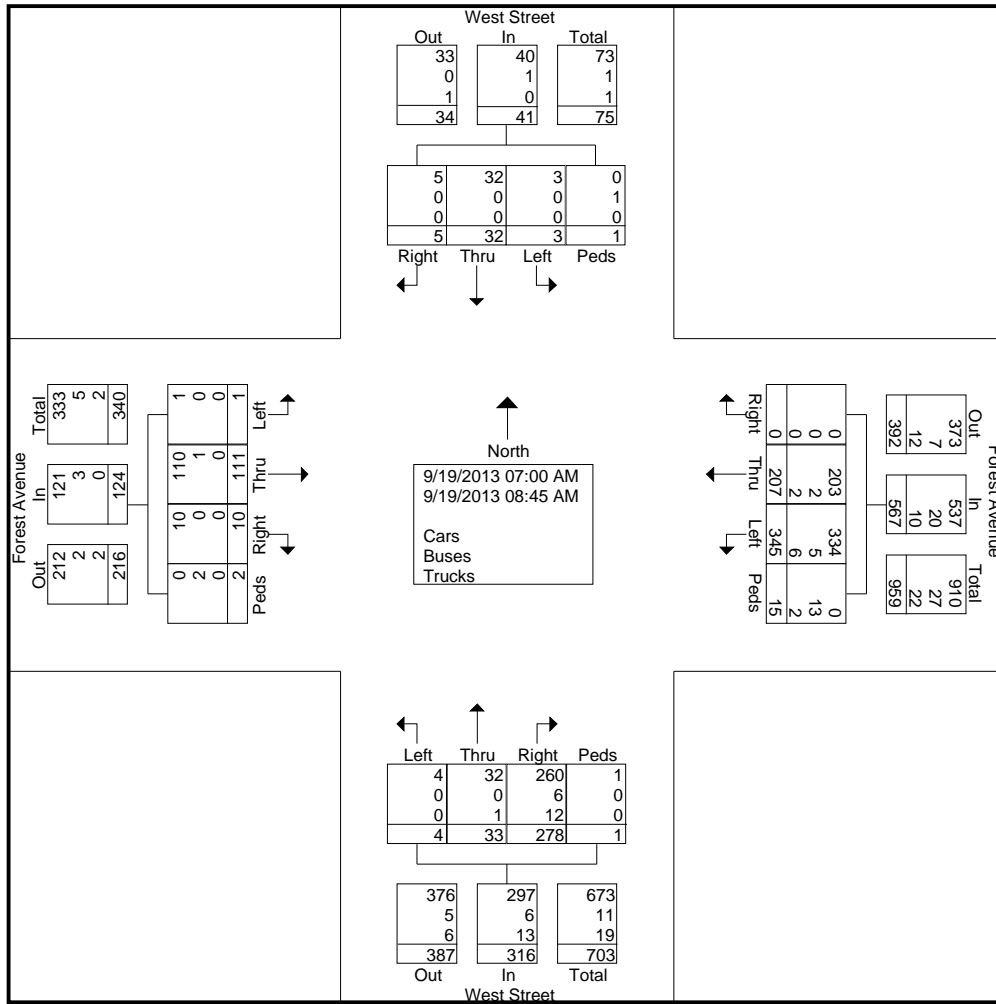


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (West Location)\_AM  
 Site Code : 44  
 Start Date : 9/19/2013  
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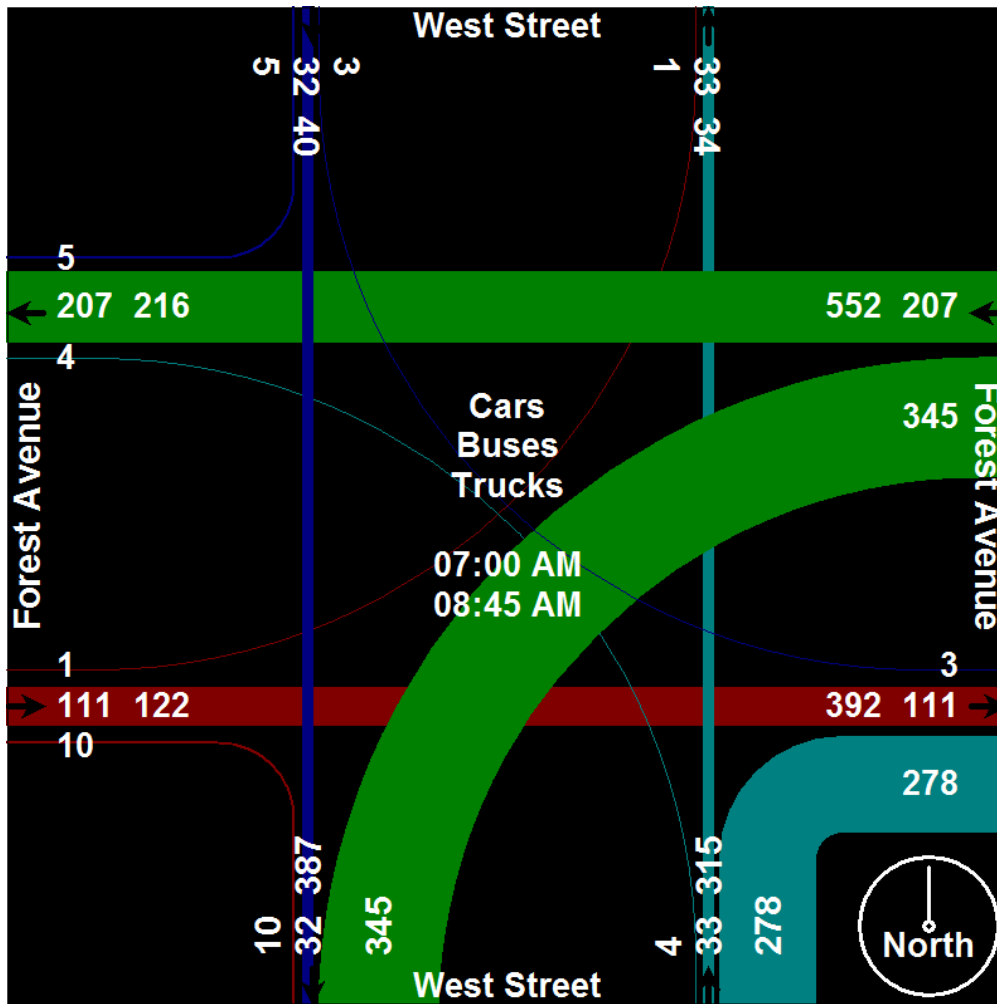


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File Name : Forest Ave. @ West Street (West Location)\_AM  
 Site Code : 44  
 Start Date : 9/19/2013  
 Page No : 4

Start Time	West Street Southbound					Forest Avenue Westbound					West Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	1	1	0	0	2	0	29	57	0	86	45	0	1	0	46	1	14	0	2	17	151
08:15 AM	0	2	0	1	3	0	33	51	0	84	40	3	0	0	43	1	18	0	0	19	149
08:30 AM	0	1	0	0	1	0	31	45	0	76	50	0	0	0	50	0	12	0	0	12	139
08:45 AM	2	1	0	0	3	0	41	45	0	86	48	1	0	1	50	0	21	0	0	21	160
Total Volume	3	5	0	1	9	0	134	198	0	332	183	4	1	1	189	2	65	0	2	69	599
% App. Total	33.3	55.6	0	11.1		0	40.4	59.6	0		96.8	2.1	0.5	0.5		2.9	94.2	0	2.9		
PHF	.375	.625	.000	.250	.750	.000	.817	.868	.000	.965	.915	.333	.250	.250	.945	.500	.774	.000	.250	.821	.936
Cars	3	5	0	0	8	0	131	191	0	322	174	4	1	1	180	2	65	0	0	67	577
% Cars	100	100	0	0	88.9	0	97.8	96.5	0	97.0	95.1	100	100	100	95.2	100	100	0	0	97.1	96.3
Buses	0	0	0	1	1	0	2	2	0	4	2	0	0	0	2	0	0	0	2	2	9
% Buses	0	0	0	100	11.1	0	1.5	1.0	0	1.2	1.1	0	0	0	1.1	0	0	0	100	2.9	1.5
Trucks	0	0	0	0	0	0	1	5	0	6	7	0	0	0	7	0	0	0	0	0	13
% Trucks	0	0	0	0	0	0	0.7	2.5	0	1.8	3.8	0	0	0	3.7	0	0	0	0	0	2.2

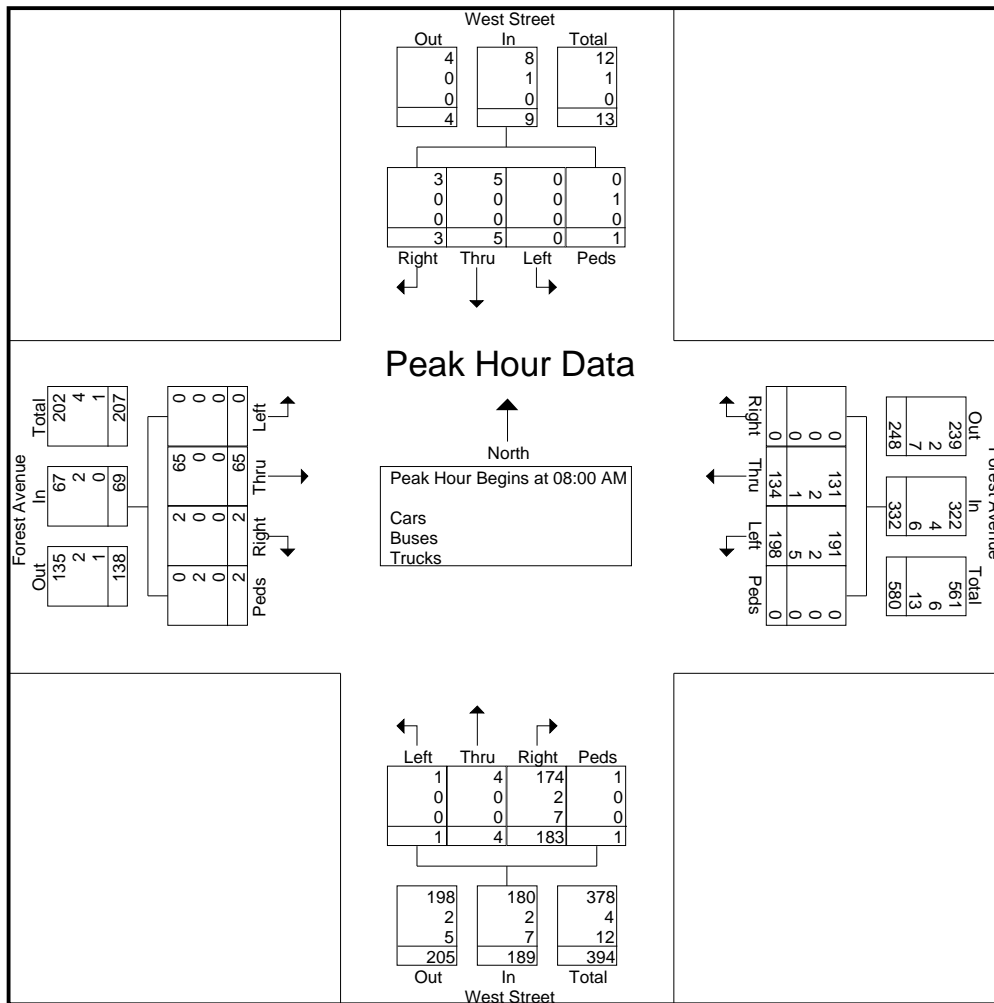


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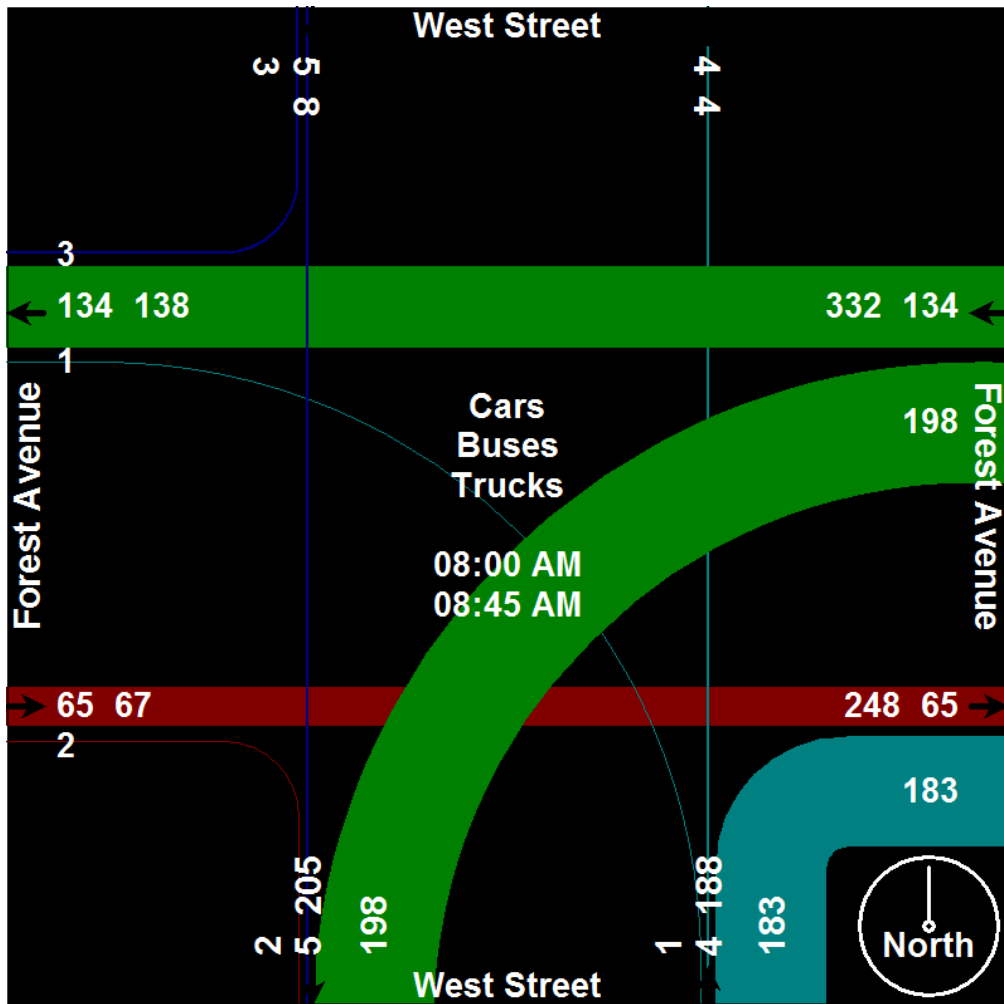


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File Name : Forest Ave. @ West Street (West Location)\_AM  
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Start Date : 9/19/2013  
Page No : 7

Image 1





# Old Colony Planning Council

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: TDC-8 (2) / JC  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (East Location)\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound				Forest Avenue Westbound				Forest Avenue Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
01:30 PM	0	55	0	55	53	87	0	140	97	1	0	98	293
01:45 PM	1	65	0	66	54	87	0	141	88	0	0	88	295
Total	1	120	0	121	107	174	0	281	185	1	0	186	588
02:00 PM	0	52	0	52	89	69	2	160	86	1	23	110	322
02:15 PM	0	56	0	56	61	83	8	152	64	2	3	69	277
02:30 PM	0	67	0	67	72	89	1	162	85	0	0	85	314
02:45 PM	0	62	0	62	68	94	0	162	99	0	3	102	326
Total	0	237	0	237	290	335	11	636	334	3	29	366	1239
03:00 PM	0	63	0	63	59	110	0	169	94	0	2	96	328
03:15 PM	0	66	0	66	62	85	0	147	122	1	0	123	336
03:30 PM	0	85	0	85	58	92	0	150	120	1	4	125	360
03:45 PM	0	82	0	82	63	89	0	152	104	0	0	104	338
Total	0	296	0	296	242	376	0	618	440	2	6	448	1362
04:00 PM	0	75	0	75	39	109	0	148	135	0	1	136	359
04:15 PM	0	72	0	72	49	95	0	144	141	0	0	141	357
04:30 PM	0	69	0	69	60	102	4	166	180	0	1	181	416
04:45 PM	0	71	0	71	50	113	0	163	177	0	0	177	411
Total	0	287	0	287	198	419	4	621	633	0	2	635	1543
05:00 PM	0	79	0	79	49	78	0	127	147	0	3	150	356
05:15 PM	0	83	0	83	60	81	0	141	138	0	0	138	362
05:30 PM	0	72	0	72	67	121	3	191	136	0	0	136	399
05:45 PM	1	71	0	72	39	77	0	116	106	0	2	108	296
Total	1	305	0	306	215	357	3	575	527	0	5	532	1413
Grand Total	2	1245	0	1247	1052	1661	18	2731	2119	6	42	2167	6145
Apprch %	0.2	99.8	0		38.5	60.8	0.7		97.8	0.3	1.9		
Total %	0	20.3	0	20.3	17.1	27	0.3	44.4	34.5	0.1	0.7	35.3	
Cars	2	1224	0	1226	1032	1627	0	2659	2080	6	0	2086	5971
% Cars	100	98.3	0	98.3	98.1	98	0	97.4	98.2	100	0	96.3	97.2
Buses	0	9	0	9	14	11	4	29	17	0	32	49	87
% Buses	0	0.7	0	0.7	1.3	0.7	22.2	1.1	0.8	0	76.2	2.3	1.4
Trucks	0	12	0	12	6	23	14	43	22	0	10	32	87
% Trucks	0	1	0	1	0.6	1.4	77.8	1.6	1	0	23.8	1.5	1.4

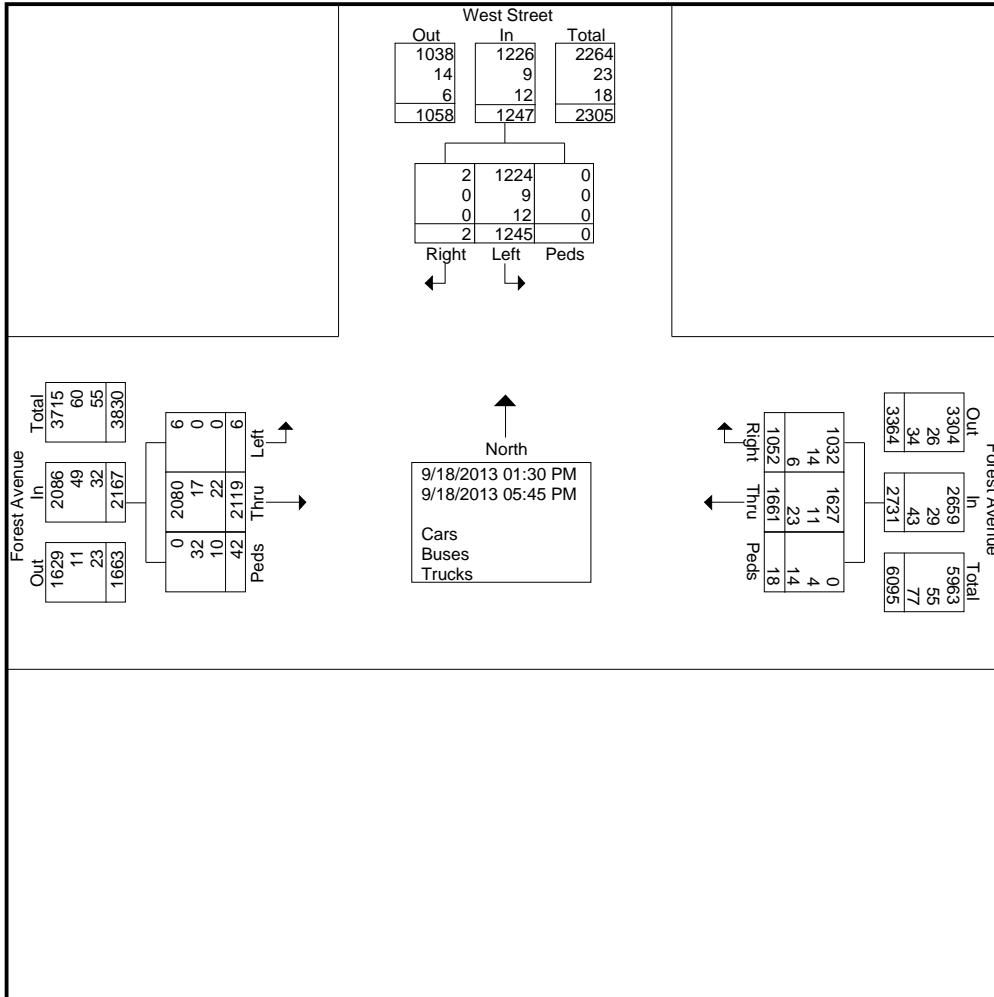


# Old Colony Planning Council

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 Brockton, MA 02301  
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 www.ocpcrpa.org

Community: Brockton  
 Weather: Clear  
 Board # & Staff: TDC-8 (2) / JC  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (East Location)\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 2





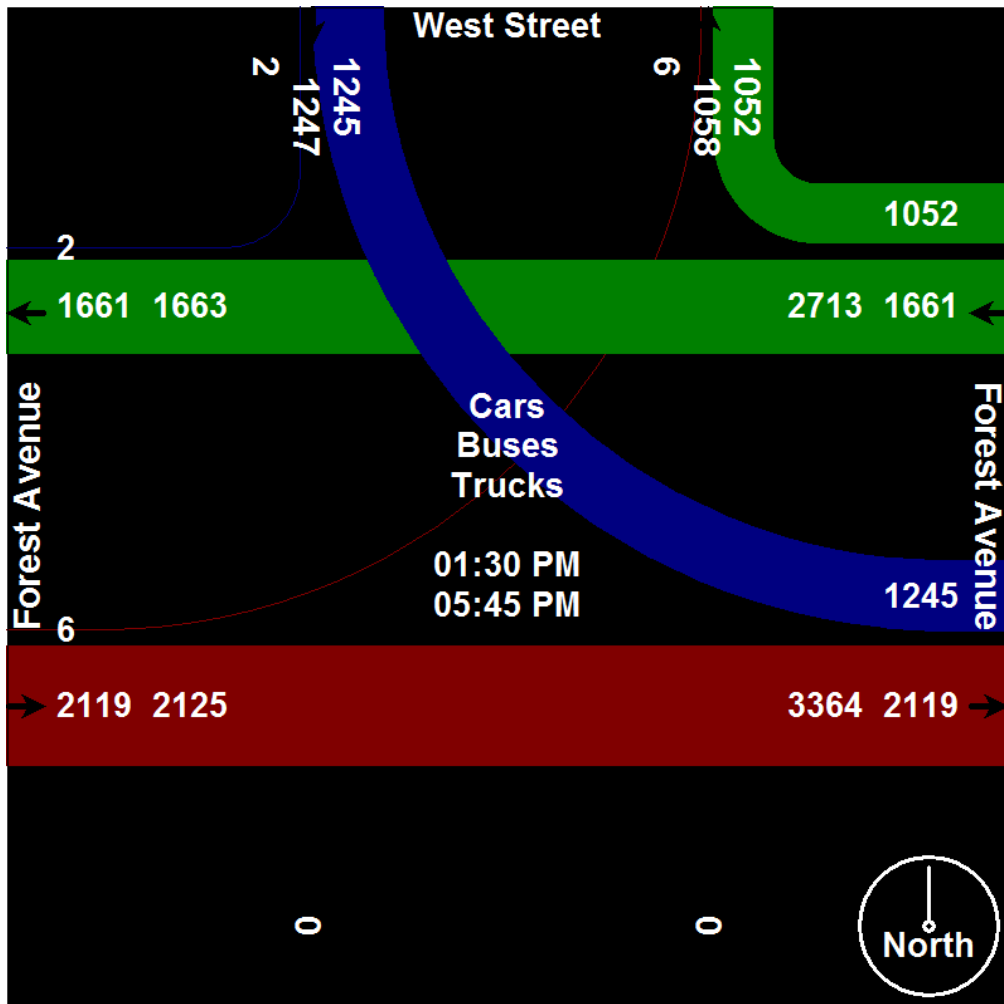


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 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 4

Start Time	West Street Southbound				Forest Avenue Westbound				Forest Avenue Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	0	69	0	69	<b>60</b>	102	<b>4</b>	<b>166</b>	<b>180</b>	0	1	<b>181</b>	<b>416</b>
04:45 PM	0	71	0	71	50	<b>113</b>	0	163	177	0	0	177	411
05:00 PM	0	79	0	79	49	78	0	127	147	0	<b>3</b>	150	356
05:15 PM	0	<b>83</b>	0	<b>83</b>	60	81	0	141	138	0	0	138	362
Total Volume	0	302	0	302	219	374	4	597	642	0	4	646	1545
% App. Total	0	100	0		36.7	62.6	0.7		99.4	0	0.6		
PHF	.000	.910	.000	.910	.913	.827	.250	.899	.892	.000	.333	.892	.928
Cars	0	295	0	295	218	371	0	589	634	0	0	634	1518
% Cars	0	97.7	0	97.7	99.5	99.2	0	98.7	98.8	0	0	98.1	98.3
Buses	0	3	0	3	0	1	2	3	3	0	1	4	10
% Buses	0	1.0	0	1.0	0	0.3	50.0	0.5	0.5	0	25.0	0.6	0.6
Trucks	0	4	0	4	1	2	2	5	5	0	3	8	17
% Trucks	0	1.3	0	1.3	0.5	0.5	50.0	0.8	0.8	0	75.0	1.2	1.1

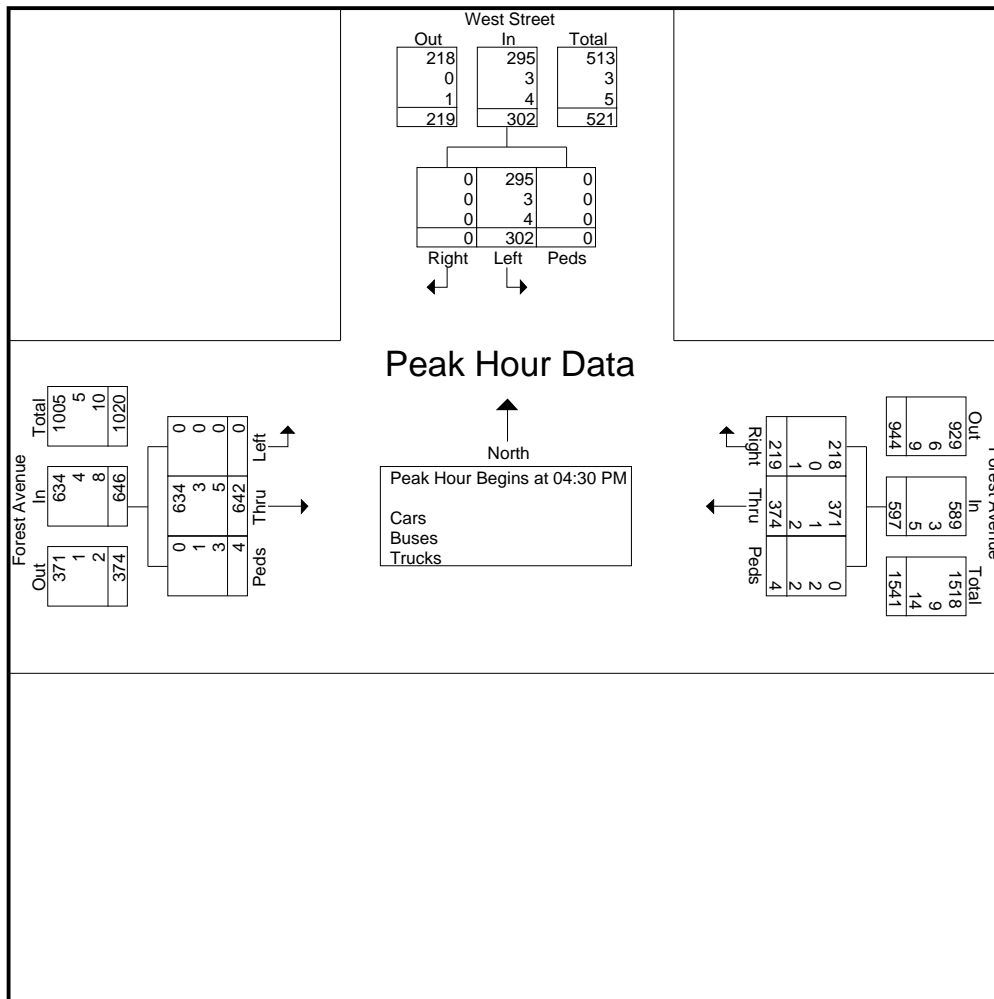


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File Name : Forest Ave. @ West Street (East Location)\_PM  
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 Start Date : 9/18/2013  
 Page No : 5



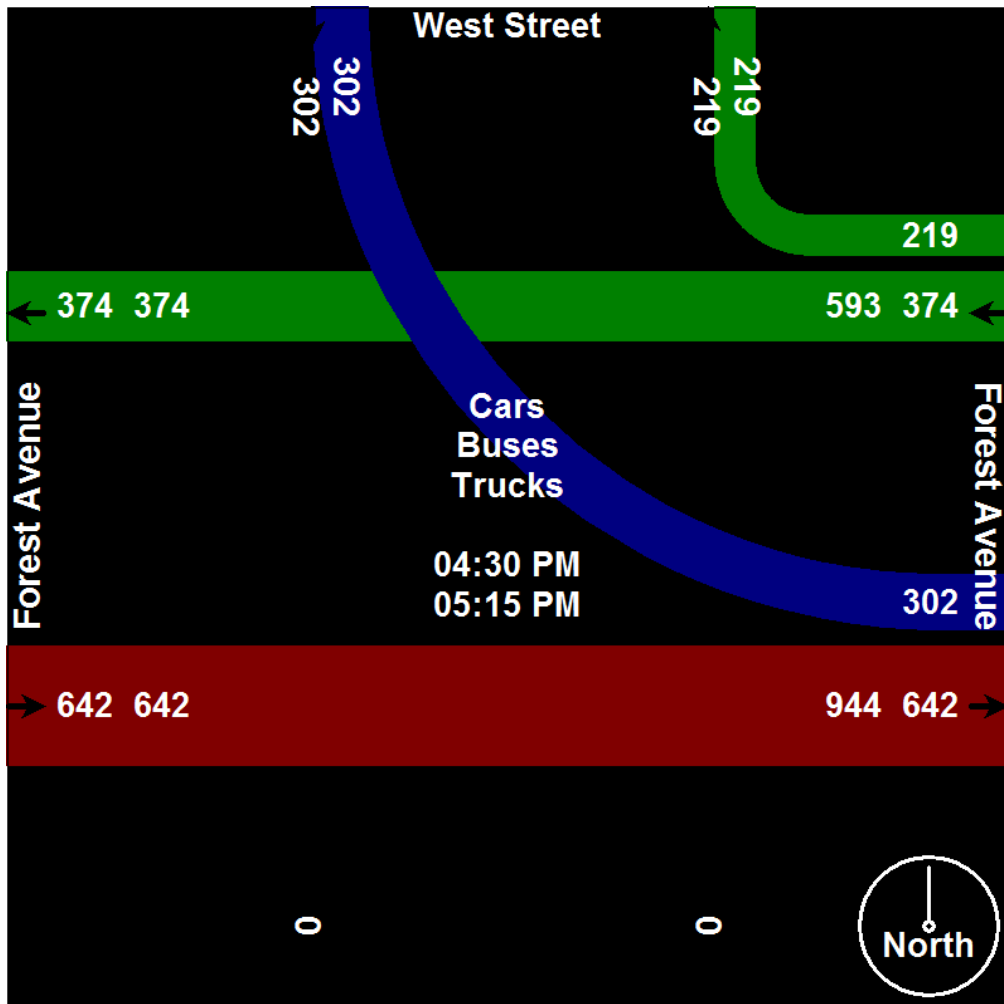


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Page No : 6





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Page No : 7

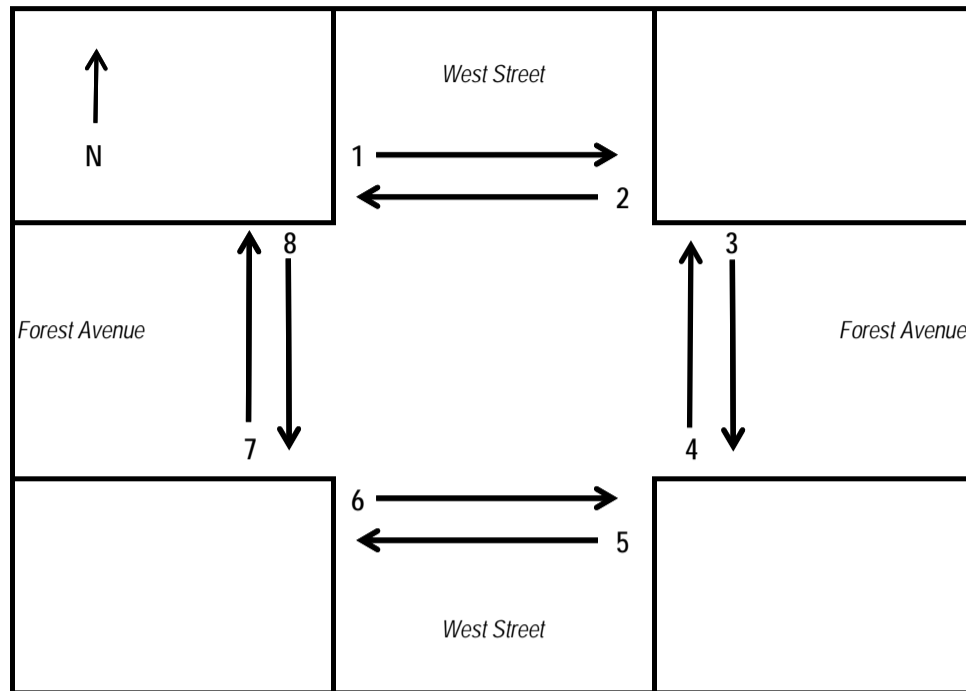
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton  
 Street: Forest Avenue  
 Location: @ West Street (East Side)  
 Weather: Clear      Board #: TDC-8 (2)      Staff: JC      Date: 9/18/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes				2				
2:00 PM - 2:15 PM	Bikes								
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes								
3:00 PM - 3:15 PM	Bikes								
3:15 PM - 3:30 PM	Bikes								
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes								
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes		1						
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes					1			
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	0	1	0	2	1	0	0	0

Comments:

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70 School Street  
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[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: TDC-8 (1) / EA  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (East Location)\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	West Street Southbound				Forest Avenue Westbound				Forest Avenue Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	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	0	63	0	63	79	46	0	125	40	0	16	56	244
07:15 AM	0	29	0	29	51	57	0	108	37	0	0	37	174
07:30 AM	0	28	0	28	52	70	0	122	50	0	0	50	200
07:45 AM	0	45	0	45	66	68	0	134	67	0	0	67	246
Total	0	165	0	165	248	241	0	489	194	0	16	210	864
08:00 AM	0	31	0	31	49	70	0	119	69	0	0	69	219
08:15 AM	0	36	0	36	64	65	0	129	43	0	0	43	208
08:30 AM	0	49	0	49	51	64	0	115	74	0	0	74	238
08:45 AM	0	36	0	36	56	66	0	122	65	0	0	65	223
Total	0	152	0	152	220	265	0	485	251	0	0	251	888
Grand Total	0	317	0	317	468	506	0	974	445	0	16	461	1752
Apprch %	0	100	0		48	52	0		96.5	0	3.5		
Total %	0	18.1	0	18.1	26.7	28.9	0	55.6	25.4	0	0.9	26.3	
Cars	0	307	0	307	451	487	0	938	419	0	0	419	1664
% Cars	0	96.8	0	96.8	96.4	96.2	0	96.3	94.2	0	0	90.9	95
Buses	0	7	0	7	5	6	0	11	10	0	0	10	28
% Buses	0	2.2	0	2.2	1.1	1.2	0	1.1	2.2	0	0	2.2	1.6
Trucks	0	3	0	3	12	13	0	25	16	0	16	32	60
% Trucks	0	0.9	0	0.9	2.6	2.6	0	2.6	3.6	0	100	6.9	3.4

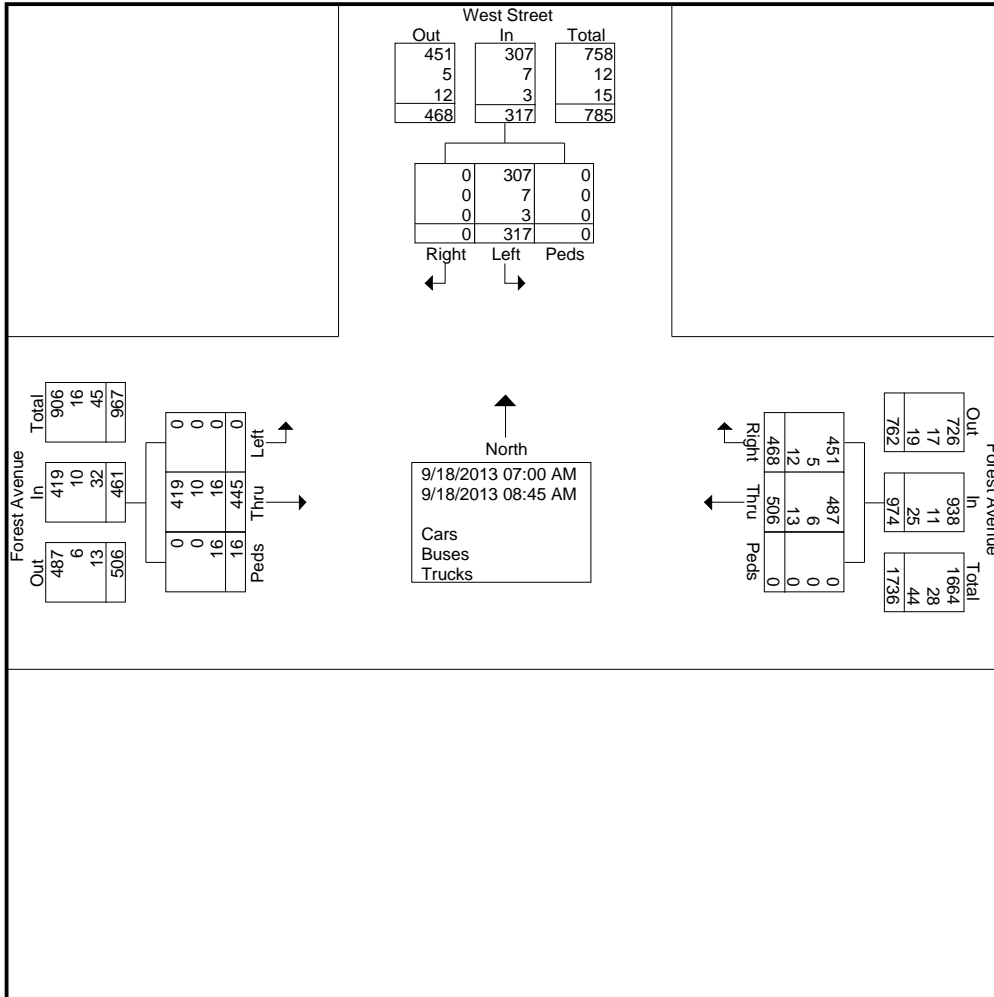


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: TDC-8 (1) / EA  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (East Location)\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 2





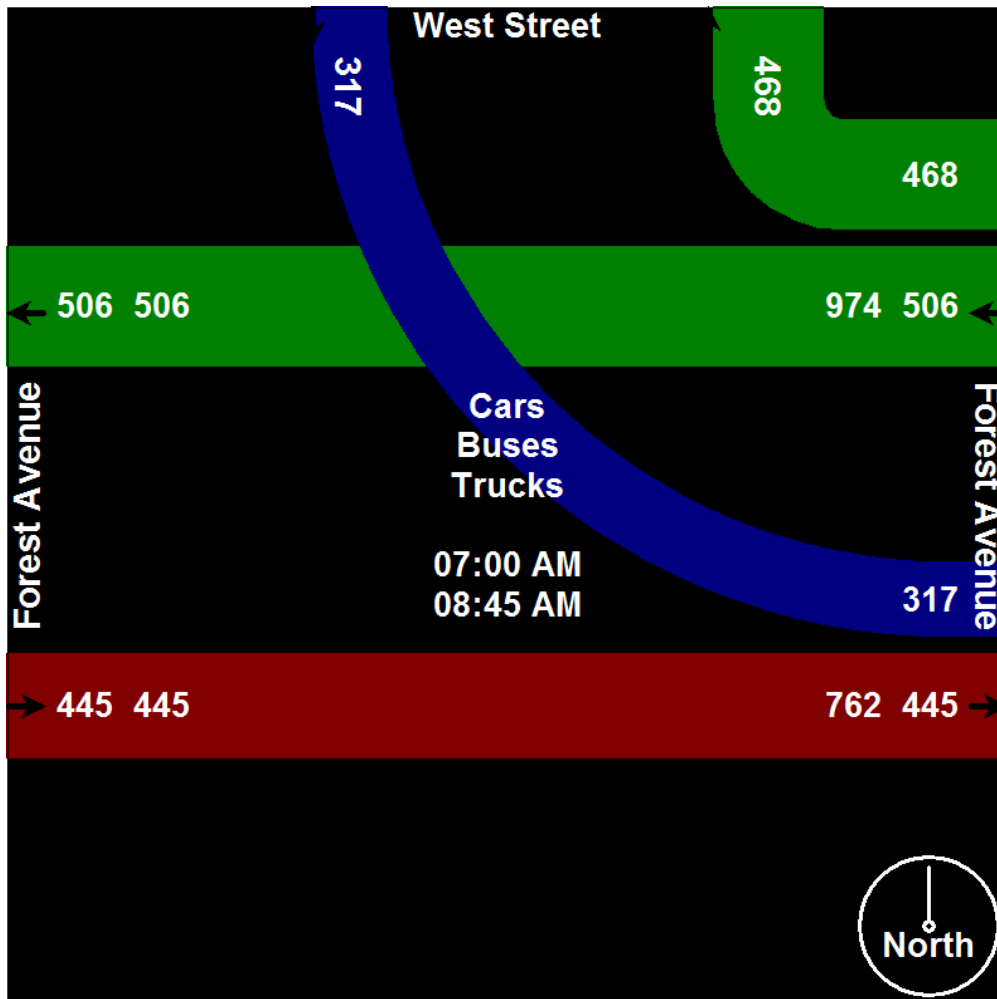


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 Start Date : 9/18/2013  
 Page No : 4

Start Time	West Street Southbound				Forest Avenue Westbound				Forest Avenue Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	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 07:45 AM													
07:45 AM	0	45	0	45	66	68	0	134	67	0	0	67	246
08:00 AM	0	31	0	31	49	70	0	119	69	0	0	69	219
08:15 AM	0	36	0	36	64	65	0	129	43	0	0	43	208
08:30 AM	0	49	0	49	51	64	0	115	74	0	0	74	238
Total Volume	0	161	0	161	230	267	0	497	253	0	0	253	911
% App. Total	0	100	0		46.3	53.7	0		100	0	0		
PHF	.000	.821	.000	.821	.871	.954	.000	.927	.855	.000	.000	.855	.926
Cars	0	157	0	157	221	255	0	476	237	0	0	237	870
% Cars	0	97.5	0	97.5	96.1	95.5	0	95.8	93.7	0	0	93.7	95.5
Buses	0	3	0	3	1	3	0	4	5	0	0	5	12
% Buses	0	1.9	0	1.9	0.4	1.1	0	0.8	2.0	0	0	2.0	1.3
Trucks	0	1	0	1	8	9	0	17	11	0	0	11	29
% Trucks	0	0.6	0	0.6	3.5	3.4	0	3.4	4.3	0	0	4.3	3.2

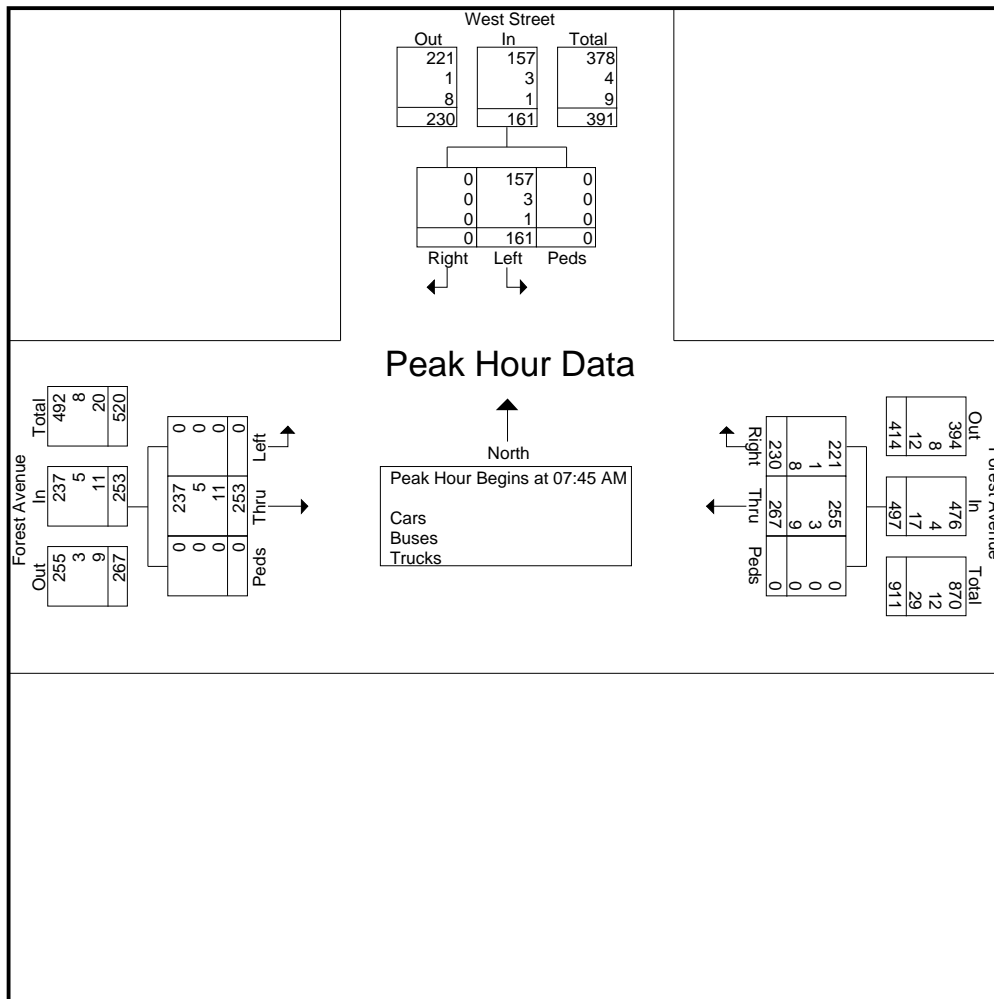


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 Traffic Control: Stop Sign

File Name : Forest Ave. @ West Street (East Location)\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 5



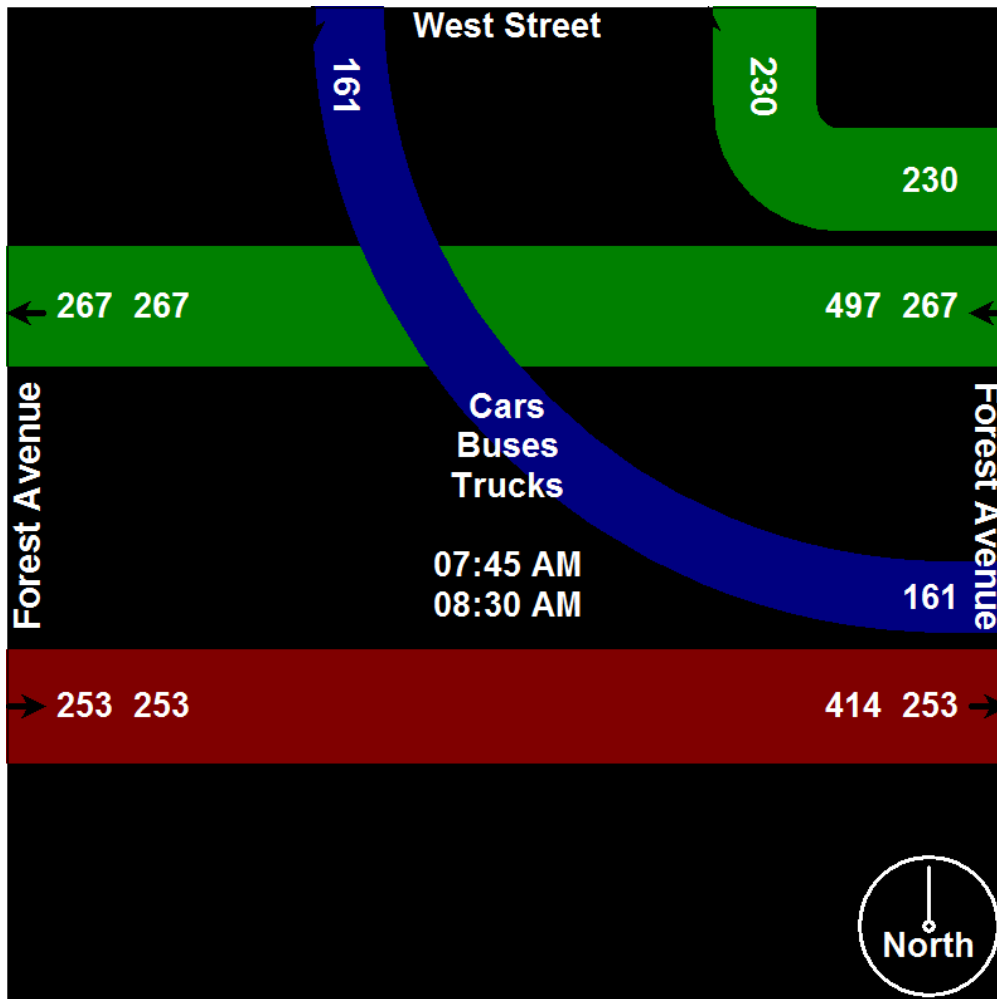


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File Name : Forest Ave. @ West Street (East Location)\_AM  
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File Name : Forest Ave. @ West Street (East Location)\_AM  
Site Code : 44  
Start Date : 9/18/2013  
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Image 1





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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / KM  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Warren Ave.\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	Warren Avenue Southbound					Forest Avenue Westbound					Warren Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	11	52	7	0	70	4	53	4	0	61	6	42	38	2	88	29	36	6	5	76	295
01:45 PM	14	67	8	1	90	1	51	4	6	62	4	58	29	0	91	18	57	6	9	90	333
Total	25	119	15	1	160	5	104	8	6	123	10	100	67	2	179	47	93	12	14	166	628
02:00 PM	8	80	9	0	97	4	47	4	3	58	5	55	18	2	80	25	55	10	7	97	332
02:15 PM	12	65	5	0	82	3	53	8	1	65	9	45	26	6	86	29	66	7	2	104	337
02:30 PM	9	67	17	0	93	6	52	5	4	67	7	52	25	19	103	17	46	7	18	88	351
02:45 PM	13	59	10	1	83	9	44	4	14	71	4	62	28	4	98	14	59	14	16	103	355
Total	42	271	41	1	355	22	196	21	22	261	25	214	97	31	367	85	226	38	43	392	1375
03:00 PM	11	75	9	3	98	7	60	3	9	79	7	48	21	0	76	31	52	8	24	115	368
03:15 PM	15	65	8	0	88	6	45	4	7	62	9	63	24	0	96	25	61	13	13	112	358
03:30 PM	11	84	2	1	98	2	54	5	2	63	4	44	23	0	71	30	48	10	5	93	325
03:45 PM	10	69	5	0	84	1	73	1	7	82	3	59	18	1	81	34	65	14	6	119	366
Total	47	293	24	4	368	16	232	13	25	286	23	214	86	1	324	120	226	45	48	439	1417
04:00 PM	11	98	7	2	118	6	42	2	4	54	9	63	21	3	96	30	51	7	15	103	371
04:15 PM	4	86	7	0	97	4	43	6	2	55	9	49	31	1	90	43	65	7	2	117	359
04:30 PM	13	107	9	0	129	4	41	7	5	57	6	65	30	0	101	25	72	14	6	117	404
04:45 PM	11	88	7	0	106	4	49	3	6	62	11	76	27	0	114	35	52	13	7	107	389
Total	39	379	30	2	450	18	175	18	17	228	35	253	109	4	401	133	240	41	30	444	1523
05:00 PM	8	83	6	0	97	4	35	3	5	47	10	56	23	0	89	35	69	11	14	129	362
05:15 PM	9	60	12	0	81	3	39	4	5	51	4	48	25	0	77	23	58	11	10	102	311
05:30 PM	11	62	6	0	79	2	55	3	6	66	6	51	16	0	73	20	60	10	8	98	316
05:45 PM	12	49	7	0	68	10	26	7	9	52	8	53	20	0	81	21	29	5	4	59	260
Total	40	254	31	0	325	19	155	17	25	216	28	208	84	0	320	99	216	37	36	388	1249
Grand Total	193	1316	141	8	1658	80	862	77	95	1114	121	989	443	38	1591	484	1001	173	171	1829	6192
Apprch %	11.6	79.4	8.5	0.5		7.2	77.4	6.9	8.5		7.6	62.2	27.8	2.4		26.5	54.7	9.5	9.3		
Total %	3.1	21.3	2.3	0.1	26.8	1.3	13.9	1.2	1.5	18	2	16	7.2	0.6	25.7	7.8	16.2	2.8	2.8	29.5	
Cars	190	1273	137	0	1600	78	840	74	0	992	115	954	414	0	1483	470	966	166	0	1602	5677
% Cars	98.4	96.7	97.2	0	96.5	97.5	97.4	96.1	0	89	95	96.5	93.5	0	93.2	97.1	96.5	96	0	87.6	91.7
Buses	2	31	0	6	39	1	10	2	38	51	4	27	24	7	62	9	21	4	96	130	282
% Buses	1	2.4	0	75	2.4	1.2	1.2	2.6	40	4.6	3.3	2.7	5.4	18.4	3.9	1.9	2.1	2.3	56.1	7.1	4.6
Trucks	1	12	4	2	19	1	12	1	57	71	2	8	5	31	46	5	14	3	75	97	233
% Trucks	0.5	0.9	2.8	25	1.1	1.2	1.4	1.3	60	6.4	1.7	0.8	1.1	81.6	2.9	1	1.4	1.7	43.9	5.3	3.8

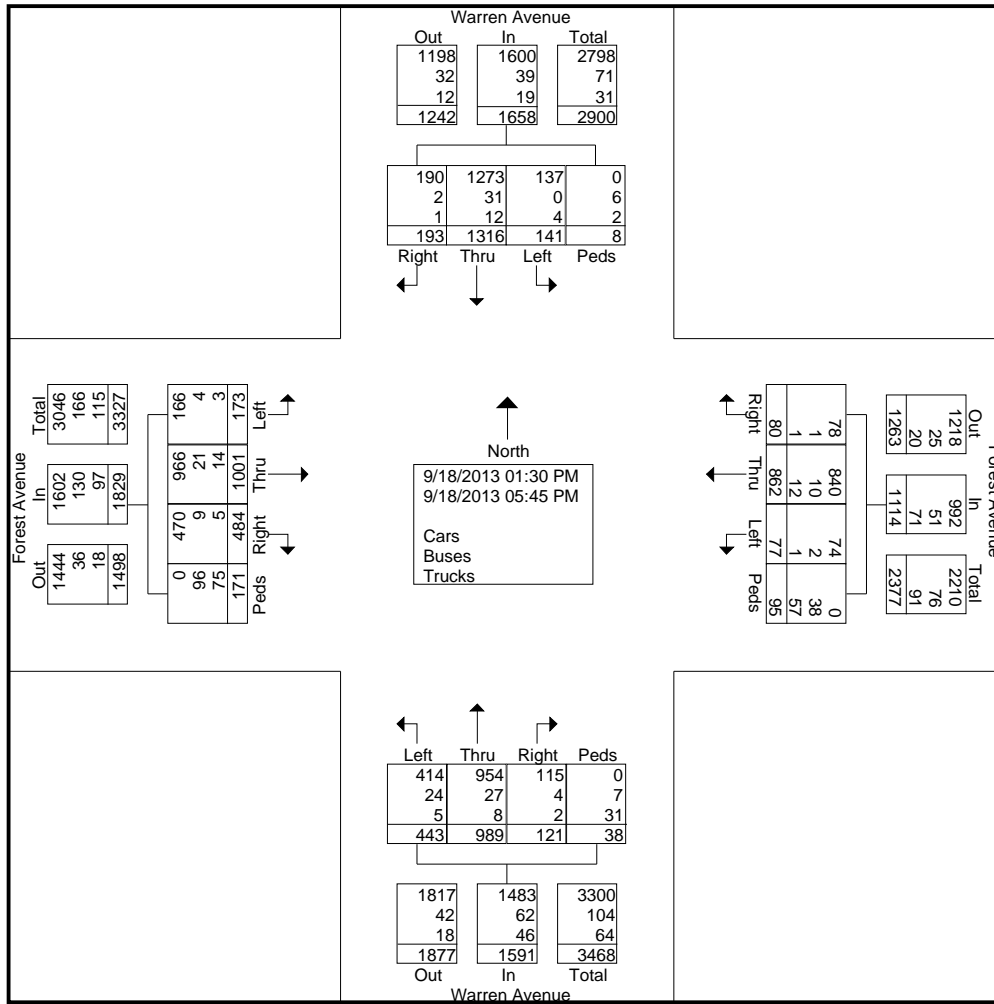


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 Traffic Control: Traffic Light

File Name : Forest Ave. @ Warren Ave.\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 2



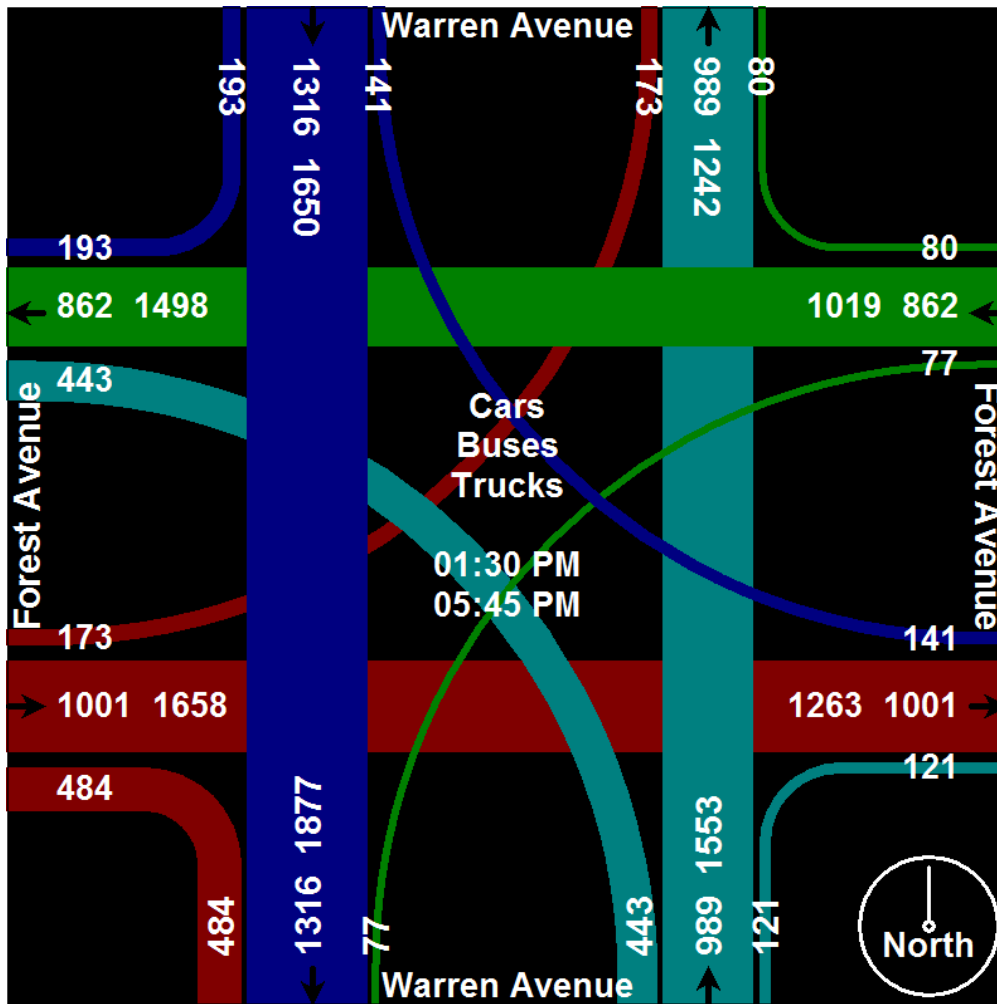


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Start Time	Warren Avenue Southbound					Forest Avenue Westbound					Warren Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	11	98	7	2	118	6	42	2	4	54	9	63	21	3	96	30	51	7	15	103	371
04:15 PM	4	86	7	0	97	4	43	6	2	55	9	49	31	1	90	43	65	7	2	117	359
04:30 PM	13	107	9	0	129	4	41	7	5	57	6	65	30	0	101	25	72	14	6	117	404
04:45 PM	11	88	7	0	106	4	49	3	6	62	11	76	27	0	114	35	52	13	7	107	389
Total Volume	39	379	30	2	450	18	175	18	17	228	35	253	109	4	401	133	240	41	30	444	1523
% App. Total	8.7	84.2	6.7	0.4		7.9	76.8	7.9	7.5		8.7	63.1	27.2	1		30	54.1	9.2	6.8		
PHF	.750	.886	.833	.250	.872	.750	.893	.643	.708	.919	.795	.832	.879	.333	.879	.773	.833	.732	.500	.949	.942
Cars	39	365	30	0	434	17	173	17	0	207	34	248	108	0	390	130	237	39	0	406	1437
% Cars	100	96.3	100	0	96.4	94.4	98.9	94.4	0	90.8	97.1	98.0	99.1	0	97.3	97.7	98.8	95.1	0	91.4	94.4
Buses	0	11	0	2	13	0	0	0	7	7	1	4	1	1	7	3	0	0	21	24	51
% Buses	0	2.9	0	100	2.9	0	0	0	41.2	3.1	2.9	1.6	0.9	25.0	1.7	2.3	0	0	70.0	5.4	3.3
Trucks	0	3	0	0	3	1	2	1	10	14	0	1	0	3	4	0	3	2	9	14	35
% Trucks	0	0.8	0	0	0.7	5.6	1.1	5.6	58.8	6.1	0	0.4	0	75.0	1.0	0	1.3	4.9	30.0	3.2	2.3

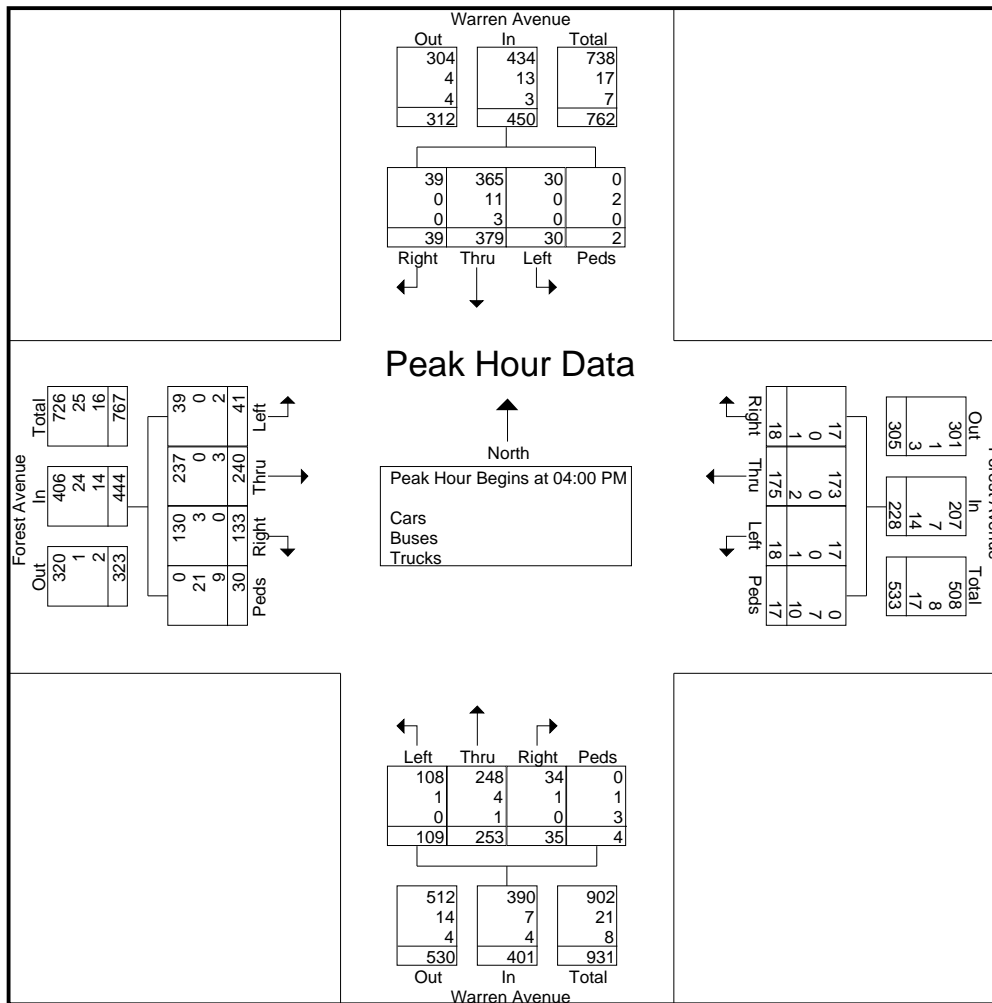


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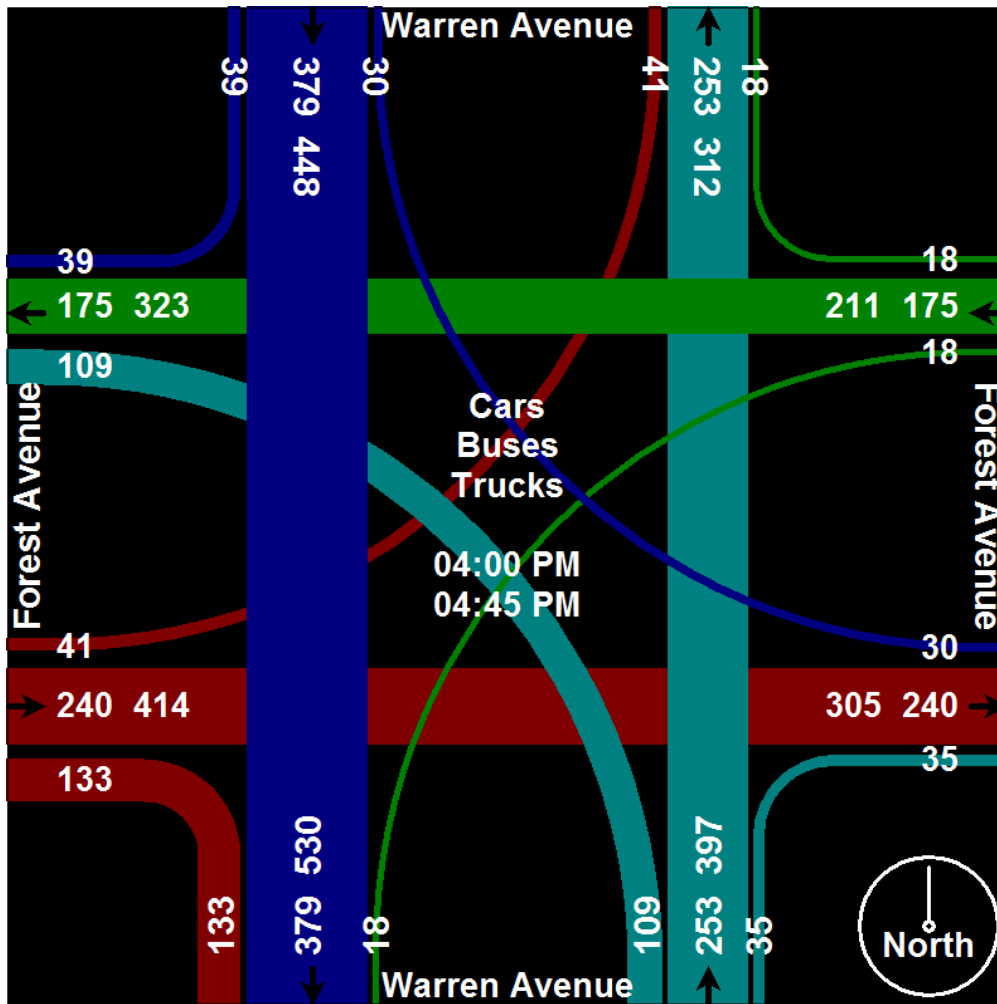


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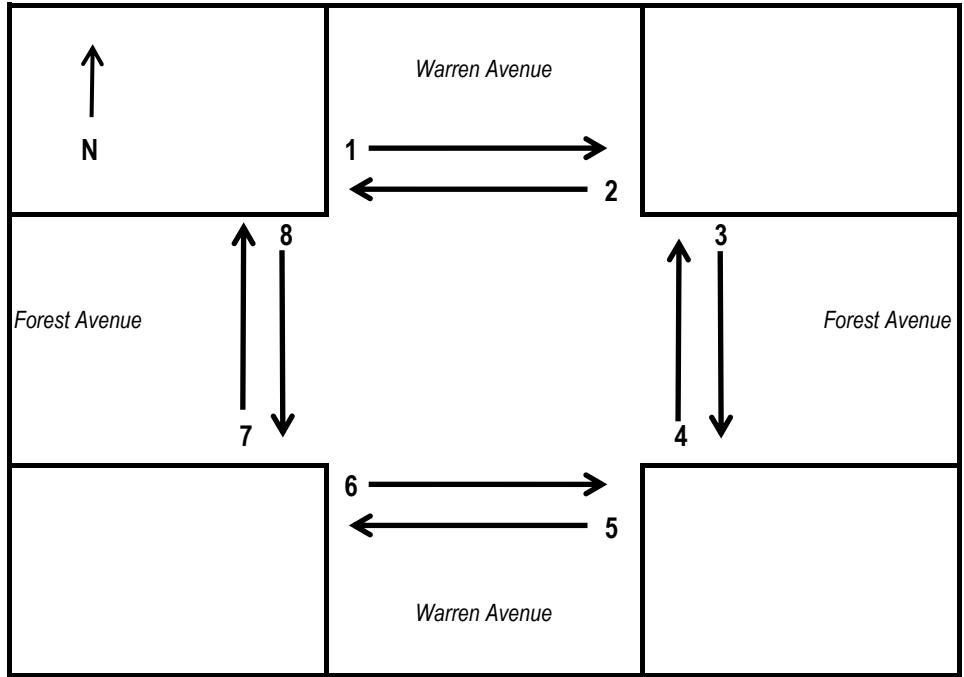
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Forest Avenue  
**Location:** @ Warren Avenue  
**Weather:** Clear      **Board #:** DB-400 (5)      **Staff:** KM      **Date:** 9/18/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes	1							
2:00 PM - 2:15 PM	Bikes								
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes			1					
2:45 PM - 3:00 PM	Bikes				1				
3:00 PM - 3:15 PM	Bikes								
3:15 PM - 3:30 PM	Bikes			2	2				
3:30 PM - 3:45 PM	Bikes		1					2	2
3:45 PM - 4:00 PM	Bikes				1				2
4:00 PM - 4:15 PM	Bikes				1			1	1
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes							1	
5:15 PM - 5:30 PM	Bikes				1			1	
5:30 PM - 5:45 PM	Bikes								
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>5</b>

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



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File Name : Forest Ave. @ Warren Ave.\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Warren Avenue Southbound					Forest Avenue Westbound					Warren Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	2	45	2	5	54	4	33	2	8	47	14	39	13	2	68	13	59	6	2	80	249
07:15 AM	1	44	9	9	63	6	27	6	11	50	7	47	12	1	67	23	43	7	14	87	267
07:30 AM	5	62	5	0	72	5	42	5	3	55	12	55	14	0	81	8	54	7	4	73	281
07:45 AM	3	59	2	1	65	1	52	3	4	60	10	73	17	0	100	13	65	10	3	91	316
Total	11	210	18	15	254	16	154	16	26	212	43	214	56	3	316	57	221	30	23	331	1113
08:00 AM	6	43	11	1	61	5	41	8	4	58	6	67	21	1	95	12	56	13	10	91	305
08:15 AM	6	42	6	2	56	7	53	3	0	63	3	61	26	0	90	10	28	13	2	53	262
08:30 AM	10	55	5	0	70	6	48	2	1	57	5	63	17	0	85	18	47	6	3	74	286
08:45 AM	9	55	5	0	69	2	36	1	7	46	8	45	20	0	73	21	54	10	5	90	278
Total	31	195	27	3	256	20	178	14	12	224	22	236	84	1	343	61	185	42	20	308	1131
Grand Total	42	405	45	18	510	36	332	30	38	436	65	450	140	4	659	118	406	72	43	639	2244
Apprch %	8.2	79.4	8.8	3.5		8.3	76.1	6.9	8.7		9.9	68.3	21.2	0.6		18.5	63.5	11.3	6.7		
Total %	1.9	18	2	0.8	22.7	1.6	14.8	1.3	1.7	19.4	2.9	20.1	6.2	0.2	29.4	5.3	18.1	3.2	1.9	28.5	
Cars	36	374	42	0	452	36	313	30	0	379	62	427	132	0	621	108	380	70	0	558	2010
% Cars	85.7	92.3	93.3	0	88.6	100	94.3	100	0	86.9	95.4	94.9	94.3	0	94.2	91.5	93.6	97.2	0	87.3	89.6
Buses	3	27	3	9	42	0	8	0	21	29	3	15	6	0	24	8	12	1	19	40	135
% Buses	7.1	6.7	6.7	50	8.2	0	2.4	0	55.3	6.7	4.6	3.3	4.3	0	3.6	6.8	3	1.4	44.2	6.3	6
Trucks	3	4	0	9	16	0	11	0	17	28	0	8	2	4	14	2	14	1	24	41	99
% Trucks	7.1	1	0	50	3.1	0	3.3	0	44.7	6.4	0	1.8	1.4	100	2.1	1.7	3.4	1.4	55.8	6.4	4.4

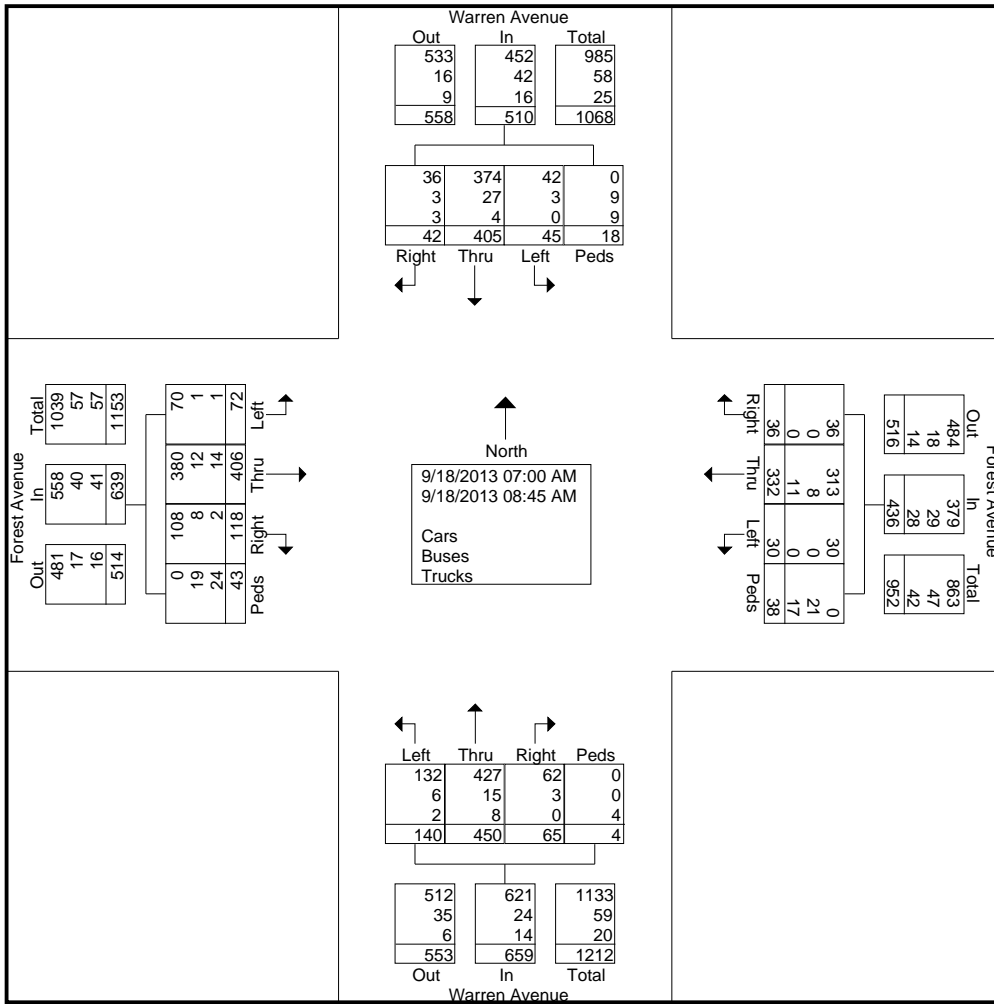


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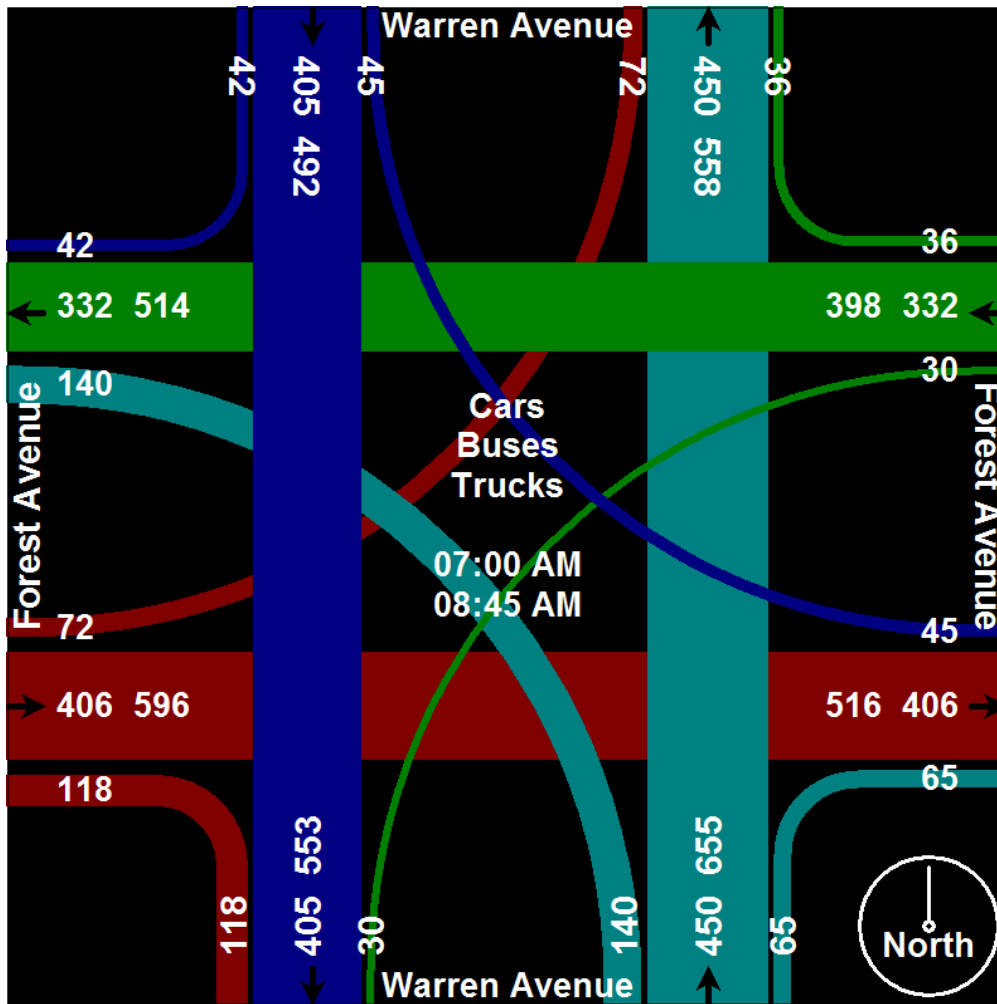


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70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (5) / KM  
Traffic Control: Traffic Light

File Name : Forest Ave. @ Warren Ave.\_AM  
Site Code : 44  
Start Date : 9/18/2013  
Page No : 3







# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
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Community: Brockton  
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File Name : Forest Ave. @ Warren Ave.\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 4

Start Time	Warren Avenue Southbound					Forest Avenue Westbound					Warren Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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 07:15 AM																					
07:15 AM	1	44	9	9	63	6	27	6	11	50	7	47	12	1	67	23	43	7	14	87	267
07:30 AM	5	62	5	0	72	5	42	5	3	55	12	55	14	0	81	8	54	7	4	73	281
07:45 AM	3	59	2	1	65	1	52	3	4	60	10	73	17	0	100	13	65	10	3	91	316
08:00 AM	6	43	11	1	61	5	41	8	4	58	6	67	21	1	95	12	56	13	10	91	305
Total Volume	15	208	27	11	261	17	162	22	22	223	35	242	64	2	343	56	218	37	31	342	1169
% App. Total	5.7	79.7	10.3	4.2		7.6	72.6	9.9	9.9		10.2	70.6	18.7	0.6		16.4	63.7	10.8	9.1		
PHF	.625	.839	.614	.306	.906	.708	.779	.688	.500	.929	.729	.829	.762	.500	.858	.609	.838	.712	.554	.940	.925
Cars	11	200	25	0	236	17	149	22	0	188	33	232	62	0	327	50	204	37	0	291	1042
% Cars	73.3	96.2	92.6	0	90.4	100	92.0	100	0	84.3	94.3	95.9	96.9	0	95.3	89.3	93.6	100	0	85.1	89.1
Buses	3	7	2	9	21	0	5	0	14	19	2	6	2	0	10	5	4	0	13	22	72
% Buses	20.0	3.4	7.4	81.8	8.0	0	3.1	0	63.6	8.5	5.7	2.5	3.1	0	2.9	8.9	1.8	0	41.9	6.4	6.2
Trucks	1	1	0	2	4	0	8	0	8	16	0	4	0	2	6	1	10	0	18	29	55
% Trucks	6.7	0.5	0	18.2	1.5	0	4.9	0	36.4	7.2	0	1.7	0	1.7	1.8	4.6	0	58.1	8.5	4.7	

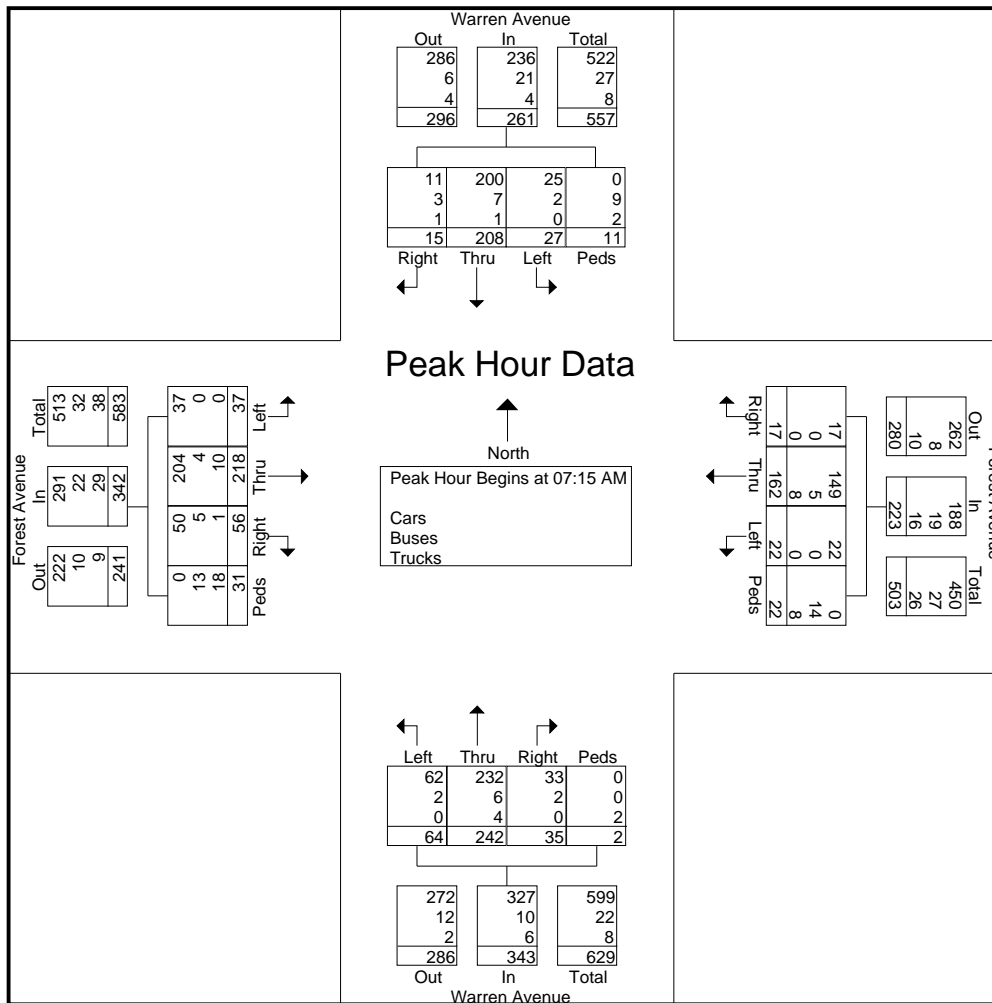


# Old Colony Planning Council

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 Brockton, MA 02301  
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 www.ocpcrpa.org

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / KM  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Warren Ave.\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 5



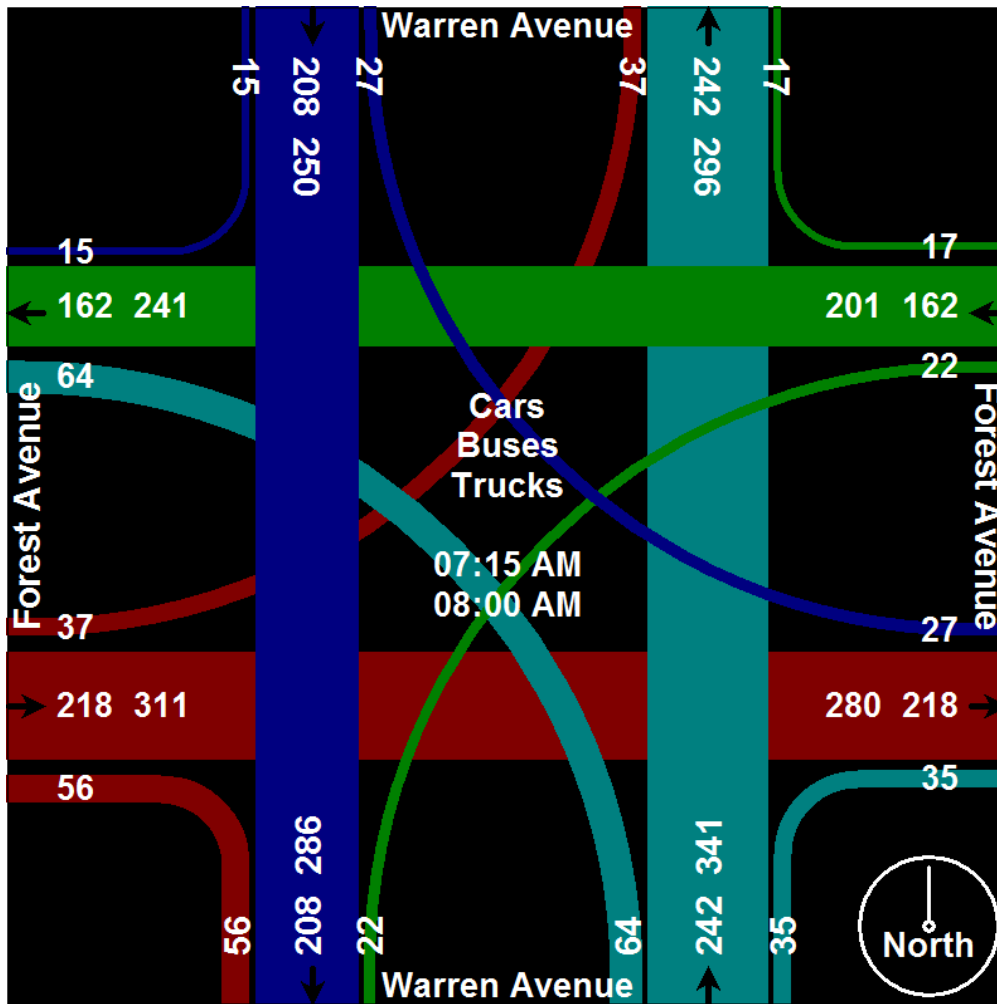


# Old Colony Planning Council

70 School Street  
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[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
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File Name : Forest Ave. @ Warren Ave.\_AM  
Site Code : 44  
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Page No : 6





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Community: Brockton  
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Board # & Staff: DB-400 (5) / KM  
Traffic Control: Traffic Light

File Name : Forest Ave. @ Warren Ave.\_AM  
Site Code : 44  
Start Date : 9/18/2013  
Page No : 7

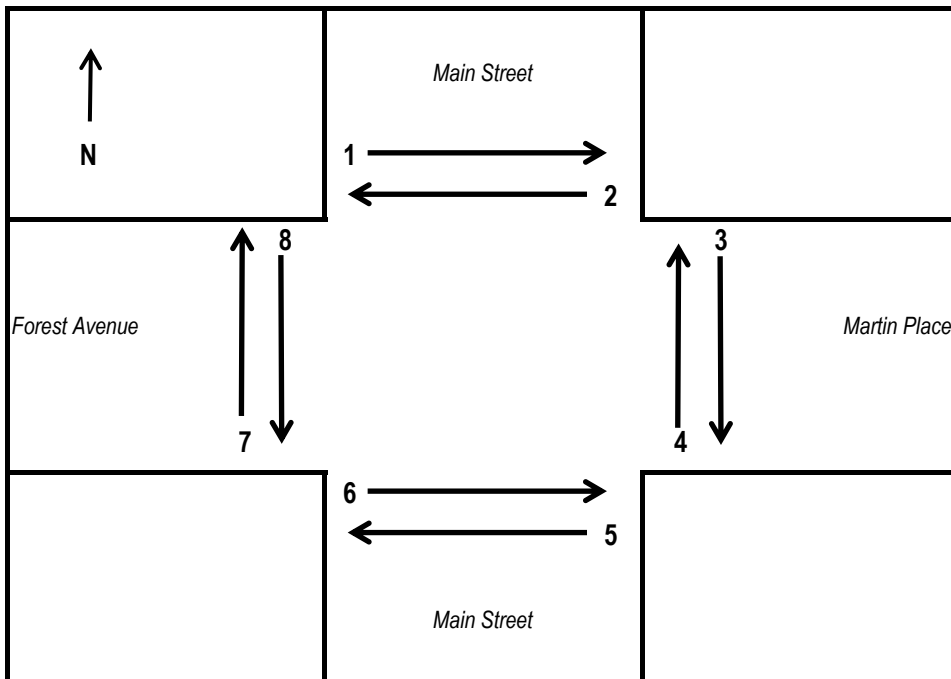
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Forest Avenue  
**Location:** @ Warren Avenue  
**Weather:** Clear      **Board #:** DB-400 (5)      **Staff:** KM      **Date:** 9/18/2013



Interval		1	2	3	4	5	6	7	8
7:00 AM - 7:15 AM	Bikes				1				
7:15 AM - 7:30 AM	Bikes		1						
7:30 AM - 7:45 AM	Bikes		1						
7:45 AM - 8:00 AM	Bikes							1	
8:00 AM - 8:15 AM	Bikes								1
8:15 AM - 8:30 AM	Bikes								
8:30 AM - 8:45 AM	Bikes			1					
8:45 AM - 9:00 AM	Bikes			1					
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>

Comments:

---



---



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# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / KM  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Forest Avenue Westbound				Memorial Drive Northbound				Forest Avenue Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
01:30 PM	96	25	0	121	21	24	1	46	8	96	0	104	271
01:45 PM	102	51	0	153	30	27	0	57	21	101	0	122	332
Total	198	76	0	274	51	51	1	103	29	197	0	226	603
02:00 PM	103	23	20	146	90	52	3	145	18	114	1	133	424
02:15 PM	116	28	3	147	53	46	11	110	9	116	2	127	384
02:30 PM	120	16	0	136	25	15	5	45	8	133	1	142	323
02:45 PM	133	10	1	144	11	18	9	38	11	126	0	137	319
Total	472	77	24	573	179	131	28	338	46	489	4	539	1450
03:00 PM	142	9	0	151	19	6	2	27	13	149	0	162	340
03:15 PM	100	13	0	113	9	7	1	17	10	175	0	185	315
03:30 PM	117	13	0	130	10	8	3	21	5	142	0	147	298
03:45 PM	130	16	1	147	13	6	1	20	9	158	0	167	334
Total	489	51	1	541	51	27	7	85	37	624	0	661	1287
04:00 PM	131	6	0	137	18	5	2	25	11	190	1	202	364
04:15 PM	122	16	0	138	10	8	0	18	8	175	0	183	339
04:30 PM	151	13	0	164	12	10	0	22	7	169	0	176	362
04:45 PM	121	15	0	136	5	5	4	14	11	184	0	195	345
Total	525	50	0	575	45	28	6	79	37	718	1	756	1410
05:00 PM	112	26	0	138	17	6	0	23	7	164	1	172	333
05:15 PM	152	27	0	179	15	11	0	26	10	158	0	168	373
05:30 PM	117	18	0	135	8	5	0	13	15	175	0	190	338
05:45 PM	141	19	0	160	6	9	1	16	19	181	0	200	376
Total	522	90	0	612	46	31	1	78	51	678	1	730	1420
Grand Total	2206	344	25	2575	372	268	43	683	200	2706	6	2912	6170
Apprch %	85.7	13.4	1		54.5	39.2	6.3		6.9	92.9	0.2		
Total %	35.8	5.6	0.4	41.7	6	4.3	0.7	11.1	3.2	43.9	0.1	47.2	
Cars	2178	303	0	2481	336	258	0	594	198	2657	0	2855	5930
% Cars	98.7	88.1	0	96.3	90.3	96.3	0	87	99	98.2	0	98	96.1
Buses	8	41	3	52	36	10	13	59	0	22	6	28	139
% Buses	0.4	11.9	12	2	9.7	3.7	30.2	8.6	0	0.8	100	1	2.3
Trucks	20	0	22	42	0	0	30	30	2	27	0	29	101
% Trucks	0.9	0	88	1.6	0	0	69.8	4.4	1	1	0	1	1.6

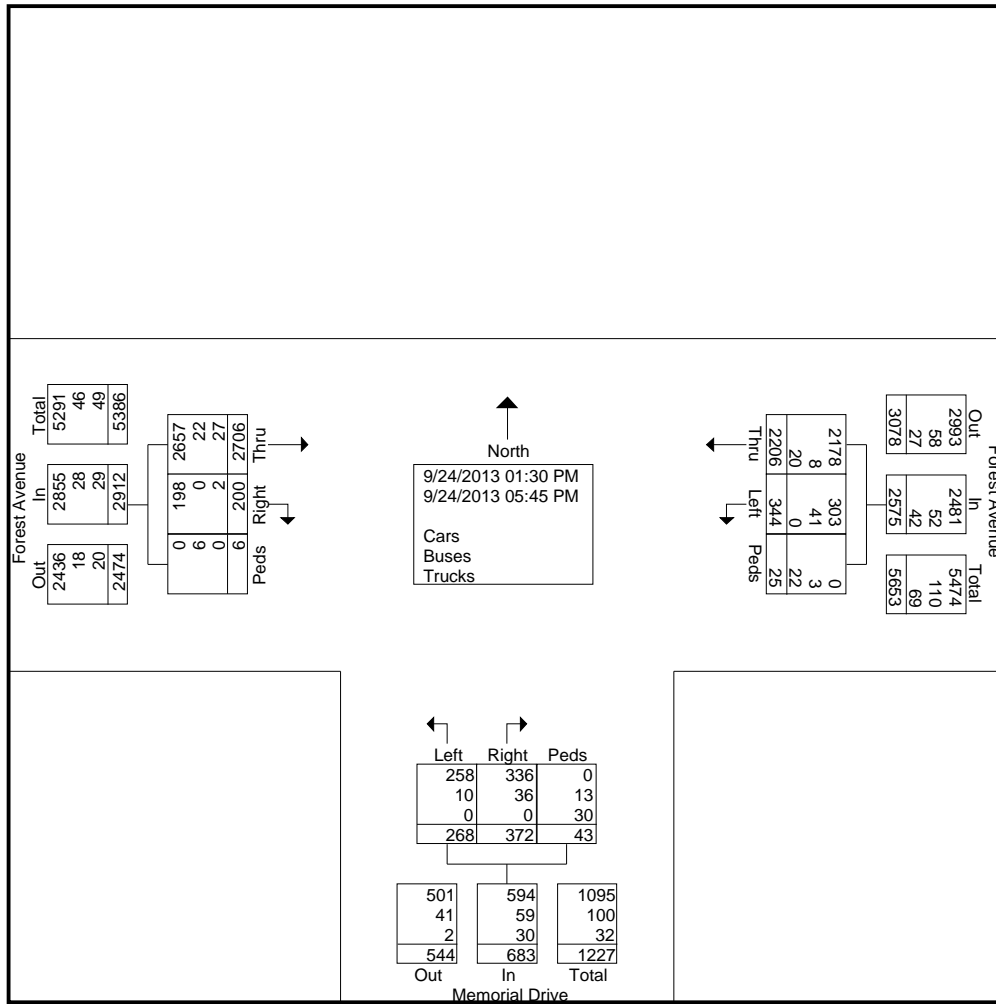


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / KM  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 2



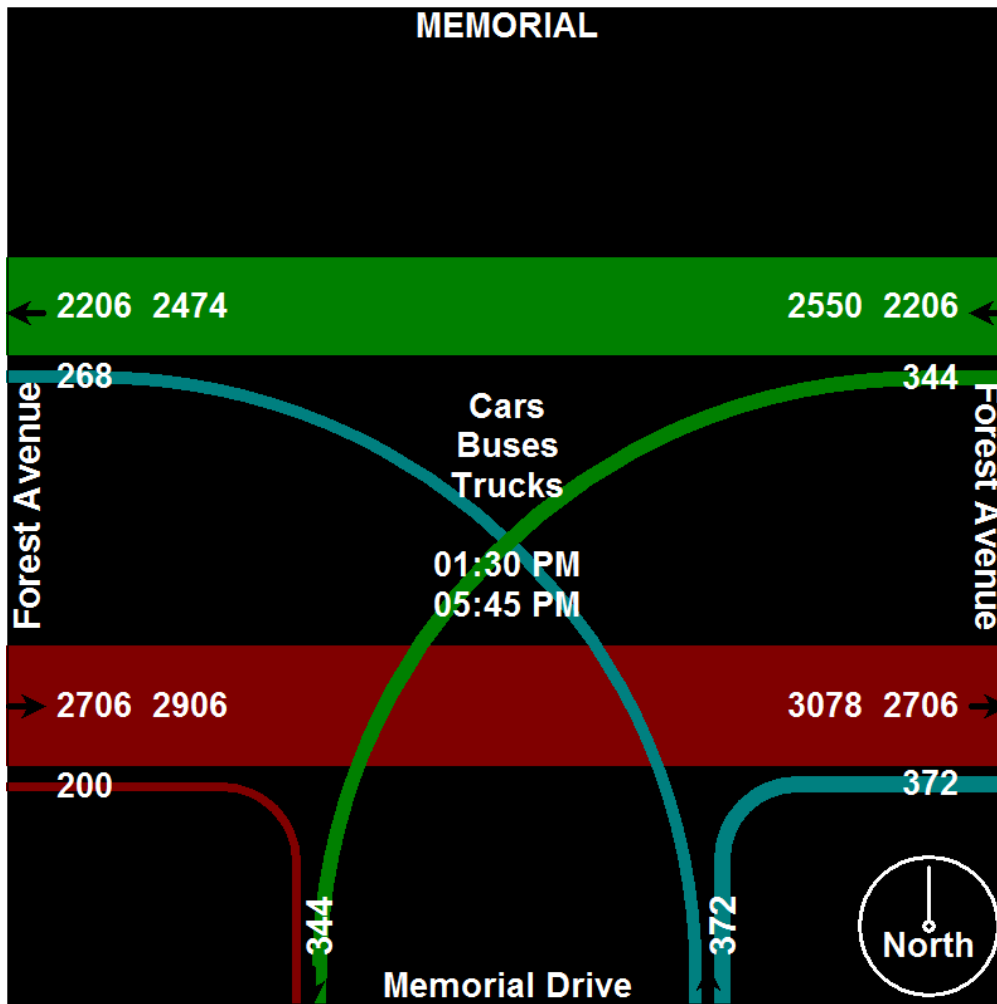


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Community: Brockton  
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 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 4

Start Time	Forest Avenue Westbound				Memorial Drive Northbound				Forest Avenue Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 01:45 PM													
01:45 PM	102	51	0	153	30	27	0	57	21	101	0	122	332
02:00 PM	103	23	20	146	90	52	3	145	18	114	1	133	424
02:15 PM	116	28	3	147	53	46	11	110	9	116	2	127	384
02:30 PM	120	16	0	136	25	15	5	45	8	133	1	142	323
Total Volume	441	118	23	582	198	140	19	357	56	464	4	524	1463
% App. Total	75.8	20.3	4		55.5	39.2	5.3		10.7	88.5	0.8		
PHF	.919	.578	.288	.951	.550	.673	.432	.616	.667	.872	.500	.923	.863
Cars	433	91	0	524	167	131	0	298	56	455	0	511	1333
% Cars	98.2	77.1	0	90.0	84.3	93.6	0	83.5	100	98.1	0	97.5	91.1
Buses	4	27	1	32	31	9	6	46	0	2	4	6	84
% Buses	0.9	22.9	4.3	5.5	15.7	6.4	31.6	12.9	0	0.4	100	1.1	5.7
Trucks	4	0	22	26	0	0	13	13	0	7	0	7	46
% Trucks	0.9	0	95.7	4.5	0	0	68.4	3.6	0	1.5	0	1.3	3.1

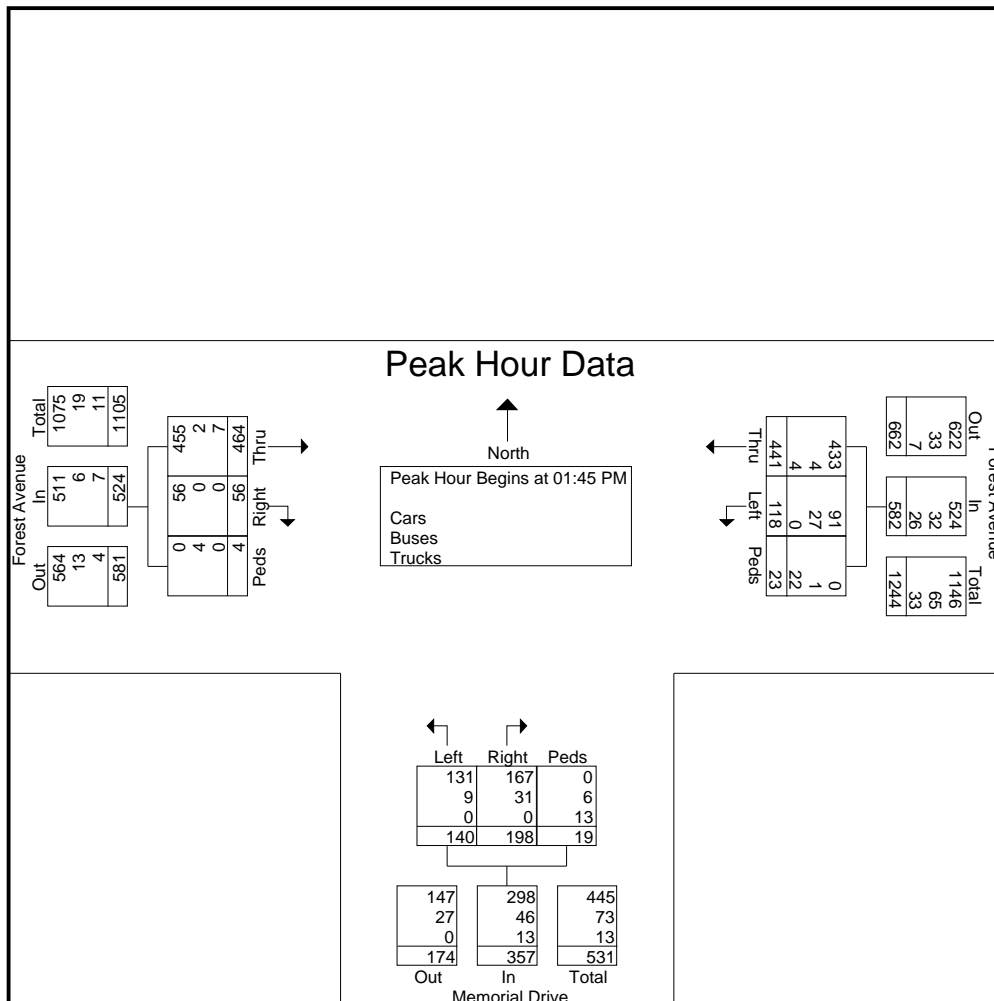


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File Name : Forest Ave. @ Memorial Drive\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 5



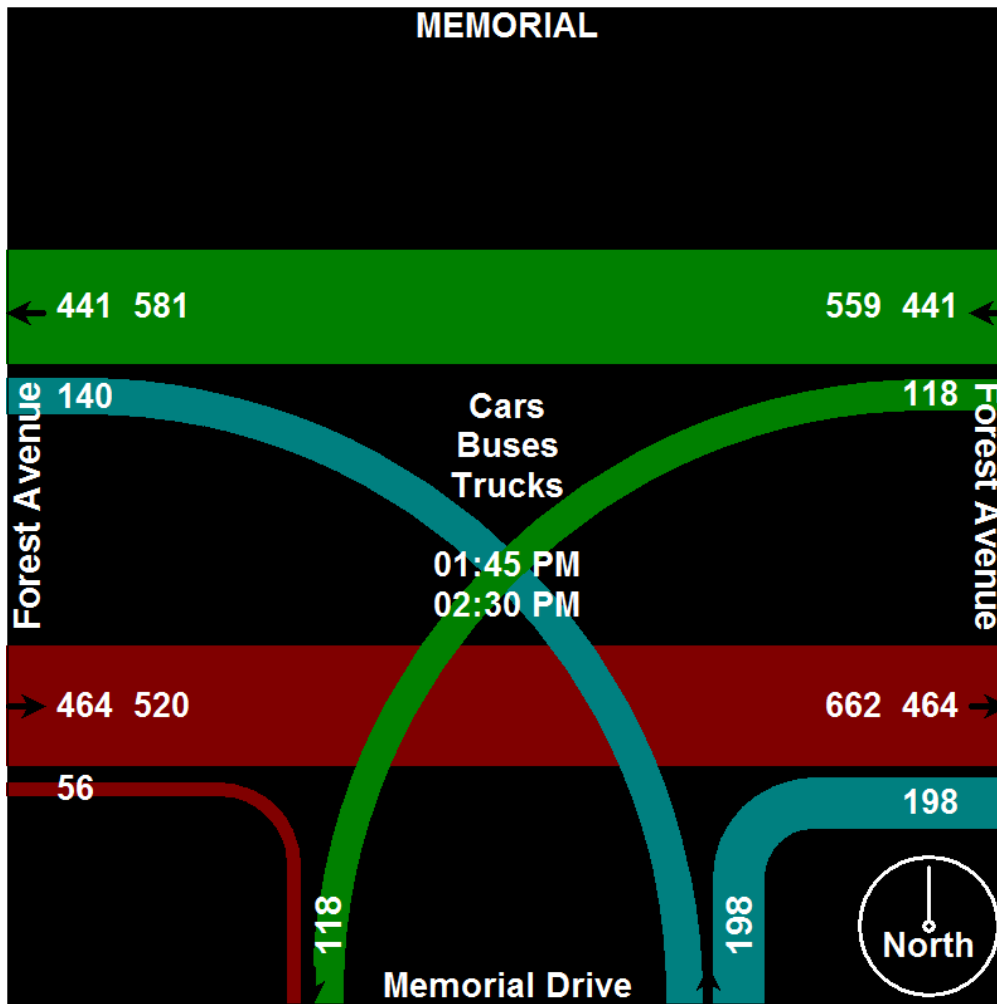


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Community: Brockton  
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File Name : Forest Ave. @ Memorial Drive\_PM  
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Page No : 7

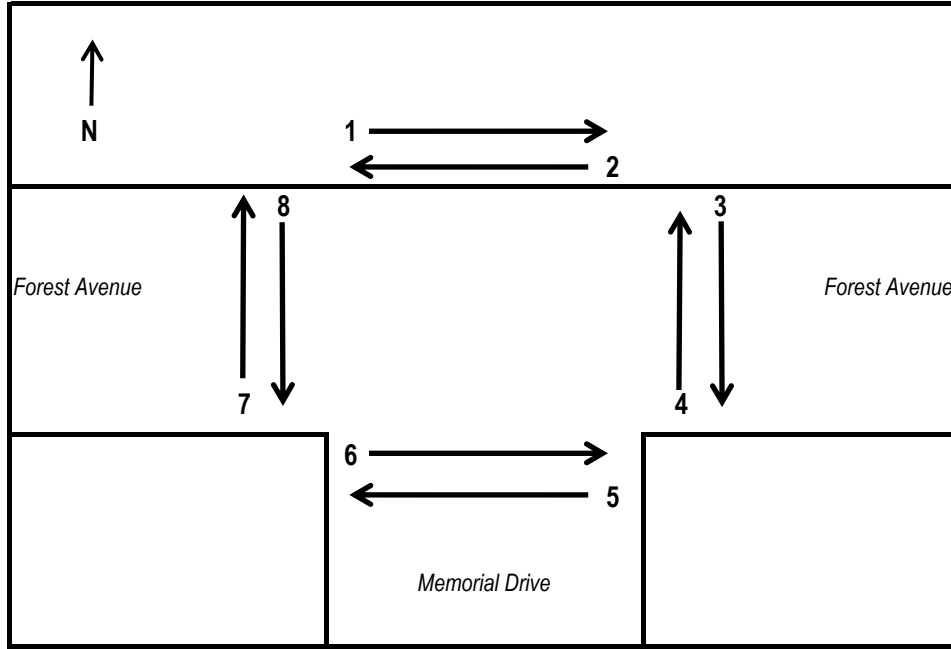
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Forest Avenue  
**Location:** @ Memorial Drive  
**Weather:** Clear      **Board #:** DB-400 (3)      **Staff:** KM      **Date:** 9/24/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes		1						
1:45 PM - 2:00 PM	Bikes								
2:00 PM - 2:15 PM	Bikes				1				
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes								
3:00 PM - 3:15 PM	Bikes						1		
3:15 PM - 3:30 PM	Bikes								
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes								
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes								
5:15 PM - 5:30 PM	Bikes						2		
5:30 PM - 5:45 PM	Bikes						1		
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 1

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
06:00 AM	107	11	0	0	0	0	1	35	0	154
06:15 AM	102	23	0	4	2	0	7	22	0	160
06:30 AM	87	84	0	23	11	0	41	40	0	286
06:45 AM	49	124	0	86	32	0	57	30	0	378
Total	345	242	0	113	45	0	106	127	0	978
07:00 AM	30	99	0	94	52	0	74	24	0	373
07:15 AM	79	15	0	79	48	0	21	79	0	321
07:30 AM	104	9	0	10	1	0	1	67	0	192
07:45 AM	125	5	0	6	4	0	6	86	0	232
Total	338	128	0	189	105	0	102	256	0	1118
08:00 AM	152	5	0	3	2	0	4	99	0	265
08:15 AM	134	14	0	6	8	0	12	76	0	250
08:30 AM	132	9	0	8	4	0	1	76	0	230
08:45 AM	127	5	0	3	2	0	2	89	0	228
Total	545	33	0	20	16	0	19	340	0	973
09:00 AM	106	6	0	1	4	0	6	73	0	196
09:15 AM	129	6	0	5	5	0	7	110	0	262
09:30 AM	123	5	0	8	4	0	4	106	0	250
09:45 AM	121	3	0	1	1	0	7	100	0	233
Total	479	20	0	15	14	0	24	389	0	941
10:00 AM	124	0	0	6	2	0	2	117	0	251
10:15 AM	115	3	0	3	4	0	1	110	0	236
10:30 AM	134	6	0	4	2	0	4	119	0	269
10:45 AM	134	7	0	3	7	0	6	115	0	272
Total	507	16	0	16	15	0	13	461	0	1028
11:00 AM	115	3	0	7	8	0	6	136	0	275
11:15 AM	111	3	0	3	4	0	4	120	0	245
11:30 AM	123	7	0	3	5	0	5	136	0	279
11:45 AM	112	2	0	2	11	0	8	140	0	275
Total	461	15	0	15	28	0	23	532	0	1074
12:00 PM	132	6	0	2	4	1	3	134	0	282
12:15 PM	113	5	0	11	10	0	2	153	0	294
12:30 PM	136	4	0	6	5	0	5	132	0	288
12:45 PM	146	9	0	8	9	0	6	144	0	322
Total	527	24	0	27	28	1	16	563	0	1186
01:00 PM	136	5	0	6	9	0	9	142	0	307
01:15 PM	131	12	0	4	2	0	6	139	0	294
01:30 PM	135	34	0	15	4	0	11	135	0	334
01:45 PM	132	81	0	19	9	0	16	134	0	391
Total	534	132	0	44	24	0	42	550	0	1326
02:00 PM	121	14	0	114	45	0	10	103	0	407
02:15 PM	132	16	0	33	25	0	10	147	0	363
02:30 PM	130	23	0	32	12	0	12	132	0	341
02:45 PM	147	27	0	22	14	0	10	151	0	371
Total	530	80	0	201	96	0	42	533	0	1482
03:00 PM	131	19	0	31	14	0	6	154	0	355
03:15 PM	141	15	0	20	7	0	10	169	0	362
03:30 PM	146	15	1	28	5	0	9	175	0	379
03:45 PM	150	18	0	24	11	0	5	172	0	380
Total	568	67	1	103	37	0	30	670	0	1476



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 2

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
04:00 PM	110	15	0	16	9	1	4	202	0	357
04:15 PM	149	15	0	17	5	0	7	188	0	381
04:30 PM	149	8	0	10	4	0	4	186	0	361
04:45 PM	149	10	0	10	8	0	12	212	0	401
Total	557	48	0	53	26	1	27	788	0	1500
05:00 PM	140	24	0	15	9	0	7	217	0	412
05:15 PM	136	14	0	13	11	0	10	233	0	417
05:30 PM	154	20	0	15	9	0	7	219	0	424
05:45 PM	135	16	0	13	6	0	15	210	0	395
Total	565	74	0	56	35	0	39	879	0	1648
Grand Total	5956	879	1	852	469	2	483	6088	0	14730
Apprch %	87.1	12.9	0	64.4	35.4	0.2	7.4	92.6	0	
Total %	40.4	6	0	5.8	3.2	0	3.3	41.3	0	
Cars	5817	784	1	775	457	2	458	5910	0	14204
% Cars	97.7	89.2	100	91	97.4	100	94.8	97.1	0	96.4
Heavy Vehicles	139	95	0	77	12	0	25	178	0	526
% Heavy Vehicles	2.3	10.8	0	9	2.6	0	5.2	2.9	0	3.6

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:30 AM													
06:30 AM	87	84	0	171	23	11	0	34	41	40	0	81	286
06:45 AM	49	124	0	173	86	32	0	118	57	30	0	87	378
07:00 AM	30	99	0	129	94	52	0	146	74	24	0	98	373
07:15 AM	79	15	0	94	79	48	0	127	21	79	0	100	321
Total Volume	245	322	0	567	282	143	0	425	193	173	0	366	1358
% App. Total	43.2	56.8	0		66.4	33.6	0		52.7	47.3	0		
PHF	.704	.649	.000	.819	.750	.688	.000	.728	.652	.547	.000	.915	.898
Cars	242	304	0	546	252	136	0	388	173	163	0	336	1270
% Cars	98.8	94.4	0	96.3	89.4	95.1	0	91.3	89.6	94.2	0	91.8	93.5
Heavy Vehicles	3	18	0	21	30	7	0	37	20	10	0	30	88
% Heavy Vehicles	1.2	5.6	0	3.7	10.6	4.9	0	8.7	10.4	5.8	0	8.2	6.5

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 01:00 PM													
01:00 PM	136	5	0	141	6	9	0	15	9	142	0	151	307
01:15 PM	131	12	0	143	4	2	0	6	6	139	0	145	294
01:30 PM	135	34	0	169	15	4	0	19	11	135	0	146	334
01:45 PM	132	81	0	213	19	9	0	28	16	134	0	150	391
Total Volume	534	132	0	666	44	24	0	68	42	550	0	592	1326
% App. Total	80.2	19.8	0		64.7	35.3	0		7.1	92.9	0		
PHF	.982	.407	.000	.782	.579	.667	.000	.607	.656	.968	.000	.980	.848
Cars	519	69	0	588	37	24	0	61	41	530	0	571	1220
% Cars	97.2	52.3	0	88.3	84.1	100	0	89.7	97.6	96.4	0	96.5	92.0
Heavy Vehicles	15	63	0	78	7	0	0	7	1	20	0	21	106
% Heavy Vehicles	2.8	47.7	0	11.7	15.9	0	0	10.3	2.4	3.6	0	3.5	8.0



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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 3

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	149	10	0	159	10	8	0	18	12	212	0	224	401
05:00 PM	140	24	0	164	15	9	0	24	7	217	0	224	412
05:15 PM	136	14	0	150	13	11	0	24	10	233	0	243	417
05:30 PM	154	20	0	174	15	9	0	24	7	219	0	226	424
Total Volume	579	68	0	647	53	37	0	90	36	881	0	917	1654
% App. Total	89.5	10.5	0		58.9	41.1	0		3.9	96.1	0		
PHF	.940	.708	.000	.930	.883	.841	.000	.938	.750	.945	.000	.943	.975
Cars	570	68	0	638	53	37	0	90	36	873	0	909	1637
% Cars	98.4	100	0	98.6	100	100	0	100	100	99.1	0	99.1	99.0
Heavy Vehicles	9	0	0	9	0	0	0	0	0	8	0	8	17
% Heavy Vehicles	1.6	0	0	1.4	0	0	0	0	0	0.9	0	0.9	1.0





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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 1

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
06:00 AM	105	11	0	0	0	0	1	35	0	152
06:15 AM	99	22	0	4	2	0	7	22	0	156
06:30 AM	87	76	0	23	11	0	32	39	0	268
06:45 AM	48	114	0	68	29	0	46	29	0	334
Total	339	223	0	95	42	0	86	125	0	910
07:00 AM	29	99	0	86	48	0	74	22	0	358
07:15 AM	78	15	0	75	48	0	21	73	0	310
07:30 AM	103	9	0	8	1	0	1	62	0	184
07:45 AM	125	4	0	6	4	0	6	79	0	224
Total	335	127	0	175	101	0	102	236	0	1076
08:00 AM	147	5	0	3	2	0	4	96	0	257
08:15 AM	133	14	0	6	8	0	12	71	0	244
08:30 AM	128	9	0	8	4	0	0	70	0	219
08:45 AM	126	5	0	2	2	0	2	85	0	222
Total	534	33	0	19	16	0	18	322	0	942
09:00 AM	104	5	0	1	4	0	6	72	0	192
09:15 AM	125	6	0	4	4	0	7	106	0	252
09:30 AM	121	5	0	8	4	0	4	103	0	245
09:45 AM	117	2	0	1	1	0	7	93	0	221
Total	467	18	0	14	13	0	24	374	0	910
10:00 AM	118	0	0	6	2	0	2	110	0	238
10:15 AM	110	3	0	3	4	0	1	105	0	226
10:30 AM	131	5	0	4	2	0	4	117	0	263
10:45 AM	128	7	0	3	7	0	6	113	0	264
Total	487	15	0	16	15	0	13	445	0	991
11:00 AM	112	3	0	7	7	0	6	134	0	269
11:15 AM	105	3	0	3	4	0	4	119	0	238
11:30 AM	122	7	0	3	5	0	5	135	0	277
11:45 AM	107	2	0	2	11	0	8	137	0	267
Total	446	15	0	15	27	0	23	525	0	1051
12:00 PM	127	6	0	2	4	1	3	132	0	275
12:15 PM	109	4	0	11	10	0	2	150	0	286
12:30 PM	133	3	0	5	5	0	5	132	0	283
12:45 PM	135	8	0	7	9	0	6	137	0	302
Total	504	21	0	25	28	1	16	551	0	1146
01:00 PM	134	4	0	6	9	0	9	138	0	300
01:15 PM	128	11	0	4	2	0	6	133	0	284
01:30 PM	132	14	0	15	4	0	10	130	0	305
01:45 PM	125	40	0	12	9	0	16	129	0	331
Total	519	69	0	37	24	0	41	530	0	1220
02:00 PM	118	14	0	86	44	0	10	101	0	373
02:15 PM	129	16	0	33	25	0	10	144	0	357
02:30 PM	127	22	0	31	12	0	11	123	0	326
02:45 PM	144	27	0	22	13	0	10	146	0	362
Total	518	79	0	172	94	0	41	514	0	1418
03:00 PM	128	19	0	31	14	0	6	151	0	349
03:15 PM	140	15	0	20	7	0	10	164	0	356
03:30 PM	142	14	1	28	5	0	8	171	0	369
03:45 PM	149	15	0	20	11	0	5	157	0	357
Total	559	63	1	99	37	0	29	643	0	1431



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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 2

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

**Groups Printed- Cars**

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
04:00 PM	108	14	0	16	8	1	4	198	0	349
04:15 PM	148	15	0	17	5	0	7	186	0	378
04:30 PM	148	8	0	10	4	0	4	182	0	356
04:45 PM	149	10	0	10	8	0	12	210	0	399
<b>Total</b>	<b>553</b>	<b>47</b>	<b>0</b>	<b>53</b>	<b>25</b>	<b>1</b>	<b>27</b>	<b>776</b>	<b>0</b>	<b>1482</b>
05:00 PM	138	24	0	15	9	0	7	215	0	408
05:15 PM	134	14	0	13	11	0	10	230	0	412
05:30 PM	149	20	0	15	9	0	7	218	0	418
05:45 PM	135	16	0	12	6	0	14	206	0	389
<b>Total</b>	<b>556</b>	<b>74</b>	<b>0</b>	<b>55</b>	<b>35</b>	<b>0</b>	<b>38</b>	<b>869</b>	<b>0</b>	<b>1627</b>
<b>Grand Total</b>	<b>5817</b>	<b>784</b>	<b>1</b>	<b>775</b>	<b>457</b>	<b>2</b>	<b>458</b>	<b>5910</b>	<b>0</b>	<b>14204</b>
Apprch %	88.1	11.9	0	62.8	37	0.2	7.2	92.8	0	
Total %	41	5.5	0	5.5	3.2	0	3.2	41.6	0	

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:30 AM													
06:30 AM	87	76	0	163	23	11	0	34	32	39	0	71	268
06:45 AM	48	114	0	162	68	29	0	97	46	29	0	75	334
07:00 AM	29	99	0	128	86	48	0	134	74	22	0	96	358
07:15 AM	78	15	0	93	75	48	0	123	21	73	0	94	310
<b>Total Volume</b>	<b>242</b>	<b>304</b>	<b>0</b>	<b>546</b>	<b>252</b>	<b>136</b>	<b>0</b>	<b>388</b>	<b>173</b>	<b>163</b>	<b>0</b>	<b>336</b>	<b>1270</b>
% App. Total	44.3	55.7	0		64.9	35.1	0		51.5	48.5	0		
PHF	.695	.667	.000	.837	.733	.708	.000	.724	.584	.558	.000	.875	.887

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 01:00 PM													
01:00 PM	134	4	0	138	6	9	0	15	9	138	0	147	300
01:15 PM	128	11	0	139	4	2	0	6	6	133	0	139	284
01:30 PM	132	14	0	146	15	4	0	19	10	130	0	140	305
01:45 PM	125	40	0	165	12	9	0	21	16	129	0	145	331
<b>Total Volume</b>	<b>519</b>	<b>69</b>	<b>0</b>	<b>588</b>	<b>37</b>	<b>24</b>	<b>0</b>	<b>61</b>	<b>41</b>	<b>530</b>	<b>0</b>	<b>571</b>	<b>1220</b>
% App. Total	88.3	11.7	0		60.7	39.3	0		7.2	92.8	0		
PHF	.968	.431	.000	.891	.617	.667	.000	.726	.641	.960	.000	.971	.921

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	149	10	0	159	10	8	0	18	12	210	0	222	399
05:00 PM	138	24	0	162	15	9	0	24	7	215	0	222	408
05:15 PM	134	14	0	148	13	11	0	24	10	230	0	240	412
05:30 PM	149	20	0	169	15	9	0	24	7	218	0	225	418
<b>Total Volume</b>	<b>570</b>	<b>68</b>	<b>0</b>	<b>638</b>	<b>53</b>	<b>37</b>	<b>0</b>	<b>90</b>	<b>36</b>	<b>873</b>	<b>0</b>	<b>909</b>	<b>1637</b>
% App. Total	89.3	10.7	0		58.9	41.1	0		4	96	0		
PHF	.956	.708	.000	.944	.883	.841	.000	.938	.750	.949	.000	.947	.979



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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 1

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
06:00 AM	2	0	0	0	0	0	0	0	0	2
06:15 AM	3	1	0	0	0	0	0	0	0	4
06:30 AM	0	8	0	0	0	0	9	1	0	18
06:45 AM	1	10	0	18	3	0	11	1	0	44
Total	6	19	0	18	3	0	20	2	0	68
07:00 AM	1	0	0	8	4	0	0	2	0	15
07:15 AM	1	0	0	4	0	0	0	6	0	11
07:30 AM	1	0	0	2	0	0	0	5	0	8
07:45 AM	0	1	0	0	0	0	0	7	0	8
Total	3	1	0	14	4	0	0	20	0	42
08:00 AM	5	0	0	0	0	0	0	3	0	8
08:15 AM	1	0	0	0	0	0	0	5	0	6
08:30 AM	4	0	0	0	0	0	1	6	0	11
08:45 AM	1	0	0	1	0	0	0	4	0	6
Total	11	0	0	1	0	0	1	18	0	31
09:00 AM	2	1	0	0	0	0	0	1	0	4
09:15 AM	4	0	0	1	1	0	0	4	0	10
09:30 AM	2	0	0	0	0	0	0	3	0	5
09:45 AM	4	1	0	0	0	0	0	7	0	12
Total	12	2	0	1	1	0	0	15	0	31
10:00 AM	6	0	0	0	0	0	0	7	0	13
10:15 AM	5	0	0	0	0	0	0	5	0	10
10:30 AM	3	1	0	0	0	0	0	2	0	6
10:45 AM	6	0	0	0	0	0	0	2	0	8
Total	20	1	0	0	0	0	0	16	0	37
11:00 AM	3	0	0	0	1	0	0	2	0	6
11:15 AM	6	0	0	0	0	0	0	1	0	7
11:30 AM	1	0	0	0	0	0	0	1	0	2
11:45 AM	5	0	0	0	0	0	0	3	0	8
Total	15	0	0	0	1	0	0	7	0	23
12:00 PM	5	0	0	0	0	0	0	2	0	7
12:15 PM	4	1	0	0	0	0	0	3	0	8
12:30 PM	3	1	0	1	0	0	0	0	0	5
12:45 PM	11	1	0	1	0	0	0	7	0	20
Total	23	3	0	2	0	0	0	12	0	40
01:00 PM	2	1	0	0	0	0	0	4	0	7
01:15 PM	3	1	0	0	0	0	0	6	0	10
01:30 PM	3	20	0	0	0	0	1	5	0	29
01:45 PM	7	41	0	7	0	0	0	5	0	60
Total	15	63	0	7	0	0	1	20	0	106
02:00 PM	3	0	0	28	1	0	0	2	0	34
02:15 PM	3	0	0	0	0	0	0	3	0	6
02:30 PM	3	1	0	1	0	0	1	9	0	15
02:45 PM	3	0	0	0	1	0	0	5	0	9
Total	12	1	0	29	2	0	1	19	0	64
03:00 PM	3	0	0	0	0	0	0	3	0	6
03:15 PM	1	0	0	0	0	0	0	5	0	6
03:30 PM	4	1	0	0	0	0	1	4	0	10
03:45 PM	1	3	0	4	0	0	0	15	0	23
Total	9	4	0	4	0	0	1	27	0	45



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Page No : 2

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	Forest Avenue From East			Memorial Drive From South			Forest Avenue From West			Int. Total
	Thru	Left	U-Turn	Right	Left	U-Turn	Right	Thru	U-Turn	
04:00 PM	2	1	0	0	1	0	0	4	0	8
04:15 PM	1	0	0	0	0	0	0	2	0	3
04:30 PM	1	0	0	0	0	0	0	4	0	5
04:45 PM	0	0	0	0	0	0	0	2	0	2
<b>Total</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>18</b>
05:00 PM	2	0	0	0	0	0	0	2	0	4
05:15 PM	2	0	0	0	0	0	0	3	0	5
05:30 PM	5	0	0	0	0	0	0	1	0	6
05:45 PM	0	0	0	1	0	0	1	4	0	6
<b>Total</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>21</b>
<b>Grand Total</b>	<b>139</b>	<b>95</b>	<b>0</b>	<b>77</b>	<b>12</b>	<b>0</b>	<b>25</b>	<b>178</b>	<b>0</b>	<b>526</b>
Apprch %	59.4	40.6	0	86.5	13.5	0	12.3	87.7	0	
Total %	26.4	18.1	0	14.6	2.3	0	4.8	33.8	0	

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:30 AM													
06:30 AM	0	8	0	8	0	0	0	0	9	1	0	10	18
06:45 AM	1	10	0	11	18	3	0	21	11	1	0	12	44
07:00 AM	1	0	0	1	8	4	0	12	0	2	0	2	15
07:15 AM	1	0	0	1	4	0	0	4	0	6	0	6	11
<b>Total Volume</b>	<b>3</b>	<b>18</b>	<b>0</b>	<b>21</b>	<b>30</b>	<b>7</b>	<b>0</b>	<b>37</b>	<b>20</b>	<b>10</b>	<b>0</b>	<b>30</b>	<b>88</b>
% App. Total	14.3	85.7	0		81.1	18.9	0		66.7	33.3	0		
PHF	.750	.450	.000	.477	.417	.438	.000	.440	.455	.417	.000	.625	.500

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 01:00 PM													
01:00 PM	2	1	0	3	0	0	0	0	0	4	0	4	7
01:15 PM	3	1	0	4	0	0	0	0	0	6	0	6	10
01:30 PM	3	20	0	23	0	0	0	0	1	5	0	6	29
01:45 PM	7	41	0	48	7	0	0	7	0	5	0	5	60
<b>Total Volume</b>	<b>15</b>	<b>63</b>	<b>0</b>	<b>78</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>21</b>	<b>106</b>
% App. Total	19.2	80.8	0		100	0	0		4.8	95.2	0		
PHF	.536	.384	.000	.406	.250	.000	.000	.250	.250	.833	.000	.875	.442

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 02:00 PM													
02:00 PM	3	0	0	3	28	1	0	29	0	2	0	2	34
02:15 PM	3	0	0	3	0	0	0	0	0	3	0	3	6
02:30 PM	3	1	0	4	1	0	0	1	1	9	0	10	15
02:45 PM	3	0	0	3	0	1	0	1	0	5	0	5	9
<b>Total Volume</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>13</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>31</b>	<b>1</b>	<b>19</b>	<b>0</b>	<b>20</b>	<b>64</b>
% App. Total	92.3	7.7	0		93.5	6.5	0		5	95	0		
PHF	1.00	.250	.000	.813	.259	.500	.000	.267	.250	.528	.000	.500	.471



PRECISION  
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INDUSTRIES, LLC

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Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 1

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Peds and Bikes

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	Peds SB	Peds NB	Right	Left	Peds WB	Peds EB	Right	Thru	Peds NB	Peds SB	
06:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	0	0	1	0	0	0	1	1	0	0	0	0	3
06:45 AM	0	0	0	0	0	0	1	0	0	0	0	1	2
Total	0	0	1	0	0	0	2	1	0	0	0	1	5
07:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
07:45 AM	3	0	0	0	0	0	1	0	0	0	0	0	4
Total	5	0	0	0	0	0	1	0	0	0	0	0	6
08:00 AM	1	0	0	0	0	0	0	0	0	1	0	0	2
08:15 AM	0	0	0	0	0	0	0	1	0	0	0	0	1
08:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	1
08:45 AM	0	0	0	0	0	0	1	2	0	0	0	0	3
Total	1	0	0	0	0	0	1	3	0	2	0	0	7
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15 AM	1	0	0	0	0	0	1	0	0	0	0	0	2
09:30 AM	0	0	0	0	0	0	2	1	0	0	0	0	3
09:45 AM	0	0	0	0	0	0	3	1	0	0	0	2	6
Total	1	0	0	0	0	0	6	2	0	0	0	2	11
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	1	0	0	0	0	0	0	0	0	0	0	0	1
10:30 AM	0	0	0	0	0	0	2	5	0	0	0	0	7
10:45 AM	0	0	0	0	0	0	5	0	0	1	0	0	6
Total	1	0	0	0	0	0	7	5	0	1	0	0	14
11:00 AM	0	0	0	0	0	0	0	2	0	1	0	0	3
11:15 AM	0	0	0	0	0	0	1	0	0	0	0	0	1
11:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	1
11:45 AM	0	0	0	0	0	0	0	3	0	0	0	0	3
Total	0	0	0	0	0	0	1	5	0	2	0	0	8
12:00 PM	0	0	0	1	0	0	0	1	0	0	0	0	2
12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	0	0	0	0	0	0	1	2	0	0	0	0	3
12:45 PM	0	0	0	0	0	0	0	3	0	0	0	0	3
Total	0	0	0	1	0	0	1	6	0	0	0	0	8
01:00 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30 PM	0	0	0	0	0	0	5	0	0	0	0	0	5
01:45 PM	0	0	0	0	0	0	1	0	0	0	0	0	1
Total	0	0	0	0	0	0	6	2	0	0	0	0	8
02:00 PM	1	0	1	15	0	7	0	0	0	0	5	1	30
02:15 PM	0	0	0	5	0	0	0	0	0	0	0	1	6
02:30 PM	1	0	2	3	0	0	1	4	0	0	0	0	11
02:45 PM	0	0	1	0	0	1	3	3	0	0	0	1	9
Total	2	0	4	23	0	8	4	7	0	0	5	3	56
03:00 PM	0	0	0	0	0	0	7	4	0	0	0	0	11
03:15 PM	0	0	0	1	0	0	1	2	0	0	0	1	5
03:30 PM	0	0	0	0	0	0	2	11	0	1	0	0	14
03:45 PM	0	0	0	0	0	0	5	0	0	0	1	0	6
Total	0	0	0	1	0	0	15	17	0	1	1	1	36



PRECISION  
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INDUSTRIES, LLC

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S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 2

Groups Printed- Peds and Bikes

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	Peds SB	Peds NB	Right	Left	Peds WB	Peds EB	Right	Thru	Peds NB	Peds SB	
04:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	1
04:15 PM	1	0	0	0	0	0	0	0	0	1	0	0	2
04:30 PM	1	0	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	2	1	0	1	0	0	4
Total	2	0	0	0	0	0	2	1	0	3	0	0	8
05:00 PM	0	0	0	0	0	0	0	2	0	0	0	0	2
05:15 PM	1	0	0	0	0	0	2	0	0	0	0	0	3
05:30 PM	0	0	0	0	0	0	1	1	0	3	0	0	5
05:45 PM	1	0	0	0	0	0	1	1	0	0	0	0	3
Total	2	0	0	0	0	0	4	4	0	3	0	0	13
Grand Total	14	0	5	25	0	8	50	53	0	12	6	7	180
Apprch %	31.8	0	11.4	56.8	0	7.2	45	47.7	0	48	24	28	
Total %	7.8	0	2.8	13.9	0	4.4	27.8	29.4	0	6.7	3.3	3.9	

Start Time	Forest Avenue From East					Memorial Drive From South					Forest Avenue From West					Int. Total
	Thru	Left	Peds SB	Peds NB	App. Total	Right	Left	Peds WB	Peds EB	App. Total	Right	Thru	Peds NB	Peds SB	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1																
Peak Hour for Entire Intersection Begins at 09:00 AM																
09:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:15 AM	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	2
09:30 AM	0	0	0	0	0	0	0	2	1	3	0	0	0	0	0	3
09:45 AM	0	0	0	0	0	0	0	3	1	4	0	0	0	2	2	6
Total Volume	1	0	0	0	1	0	0	6	2	8	0	0	0	2	2	11
% App. Total	100	0	0	0		0	0	75	25		0	0	0	100		
PHF	.250	.000	.000	.000	.250	.000	.000	.500	.500	.500	.000	.000	.000	.250	.250	.458

Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1																
Peak Hour for Entire Intersection Begins at 10:15 AM																
10:15 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
10:30 AM	0	0	0	0	0	0	0	2	5	7	0	0	0	0	0	7
10:45 AM	0	0	0	0	0	0	0	5	0	5	0	1	0	0	1	6
11:00 AM	0	0	0	0	0	0	0	0	2	2	0	1	0	0	1	3
Total Volume	1	0	0	0	1	0	0	7	7	14	0	2	0	0	2	17
% App. Total	100	0	0	0		0	0	50	50		0	100	0	0		
PHF	.250	.000	.000	.000	.250	.000	.000	.350	.350	.500	.000	.500	.000	.000	.500	.607

Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1																
Peak Hour for Entire Intersection Begins at 02:00 PM																
02:00 PM	1	0	1	15	17	0	7	0	0	7	0	0	5	1	6	30
02:15 PM	0	0	0	5	5	0	0	0	0	0	0	0	0	1	1	6
02:30 PM	1	0	2	3	6	0	0	1	4	5	0	0	0	0	0	11
02:45 PM	0	0	1	0	1	0	1	3	3	7	0	0	0	1	1	9
Total Volume	2	0	4	23	29	0	8	4	7	19	0	0	5	3	8	56
% App. Total	6.9	0	13.8	79.3		0	42.1	21.1	36.8		0	0	62.5	37.5		
PHF	.500	.000	.500	.383	.426	.000	.286	.333	.438	.679	.000	.000	.250	.750	.333	.467



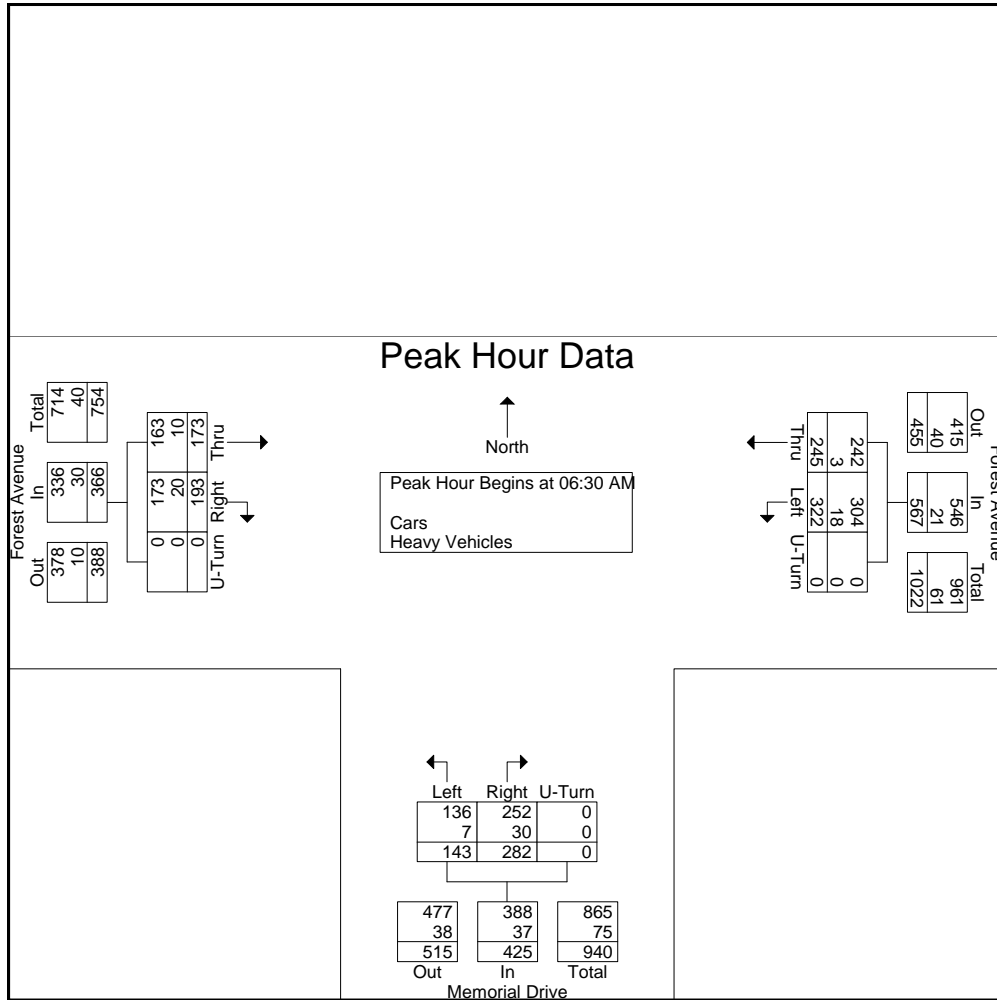
PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 1

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Forest Avenue From East				Memorial Drive From South				Forest Avenue From West				Int. Total
	Thru	Left	U-Turn	App. Total	Right	Left	U-Turn	App. Total	Right	Thru	U-Turn	App. Total	
Peak Hour Analysis From 06:00 AM to 09:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 06:30 AM													
06:30 AM	87	84	0	171	23	11	0	34	41	40	0	81	286
06:45 AM	49	124	0	173	86	32	0	118	57	30	0	87	378
07:00 AM	30	99	0	129	94	52	0	146	74	24	0	98	373
07:15 AM	79	15	0	94	79	48	0	127	21	79	0	100	321
Total Volume	245	322	0	567	282	143	0	425	193	173	0	366	1358
% App. Total	43.2	56.8	0		66.4	33.6	0		52.7	47.3	0		
PHF	.704	.649	.000	.819	.750	.688	.000	.728	.652	.547	.000	.915	.898
Cars	242	304	0	546	252	136	0	388	173	163	0	336	1270
% Cars	98.8	94.4	0	96.3	89.4	95.1	0	91.3	89.6	94.2	0	91.8	93.5
Heavy Vehicles	3	18	0	21	30	7	0	37	20	10	0	30	88
% Heavy Vehicles	1.2	5.6	0	3.7	10.6	4.9	0	8.7	10.4	5.8	0	8.2	6.5





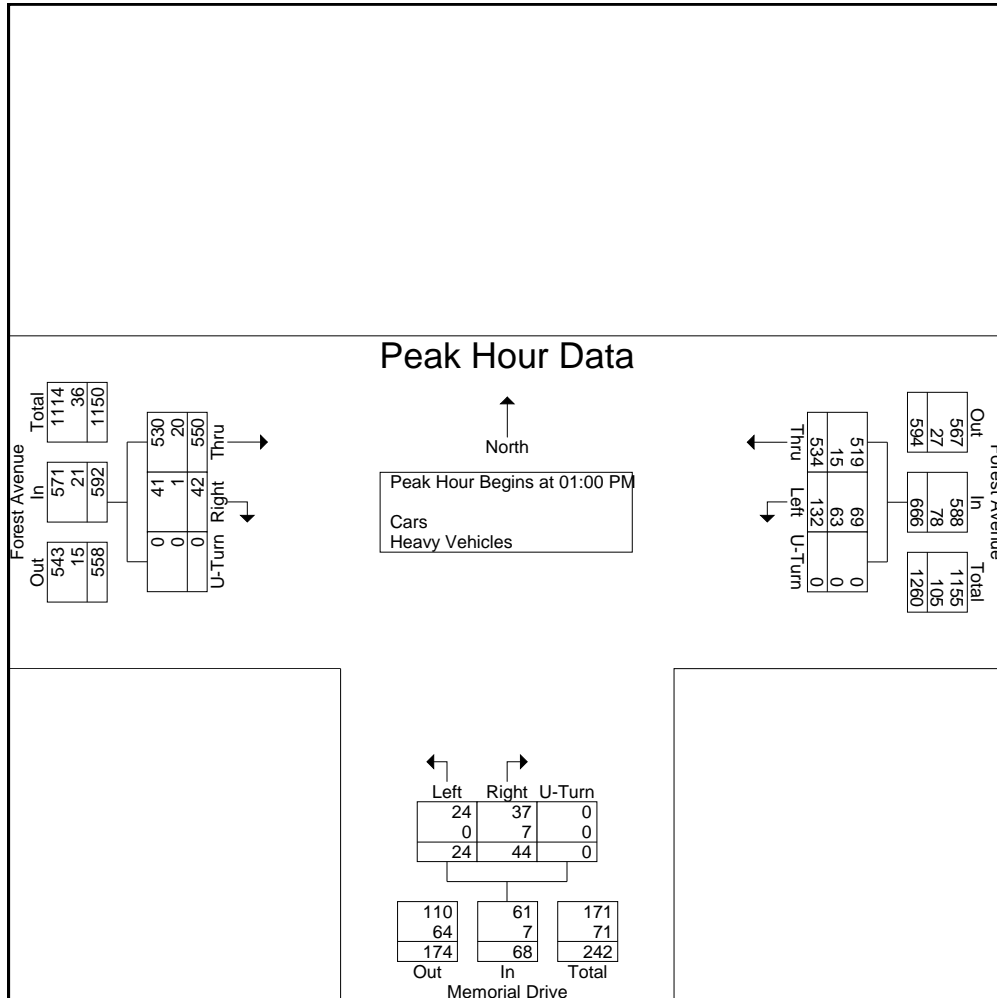
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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 2

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Forest Avenue From East			App. Total	Memorial Drive From South			App. Total	Forest Avenue From West			Int. Total	
	Thru	Left	U-Turn		Right	Left	U-Turn		Right	Thru	U-Turn		App. Total
Peak Hour Analysis From 10:00 AM to 01:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 01:00 PM													
01:00 PM	136	5	0	141	6	9	0	15	9	142	0	151	307
01:15 PM	131	12	0	143	4	2	0	6	6	139	0	145	294
01:30 PM	135	34	0	169	15	4	0	19	11	135	0	146	334
01:45 PM	132	81	0	213	19	9	0	28	16	134	0	150	391
Total Volume	534	132	0	666	44	24	0	68	42	550	0	592	1326
% App. Total	80.2	19.8	0		64.7	35.3	0		7.1	92.9	0		
PHF	.982	.407	.000	.782	.579	.667	.000	.607	.656	.968	.000	.980	.848
Cars	519	69	0	588	37	24	0	61	41	530	0	571	1220
% Cars	97.2	52.3	0	88.3	84.1	100	0	89.7	97.6	96.4	0	96.5	92.0
Heavy Vehicles	15	63	0	78	7	0	0	7	1	20	0	21	106
% Heavy Vehicles	2.8	47.7	0	11.7	15.9	0	0	10.3	2.4	3.6	0	3.5	8.0







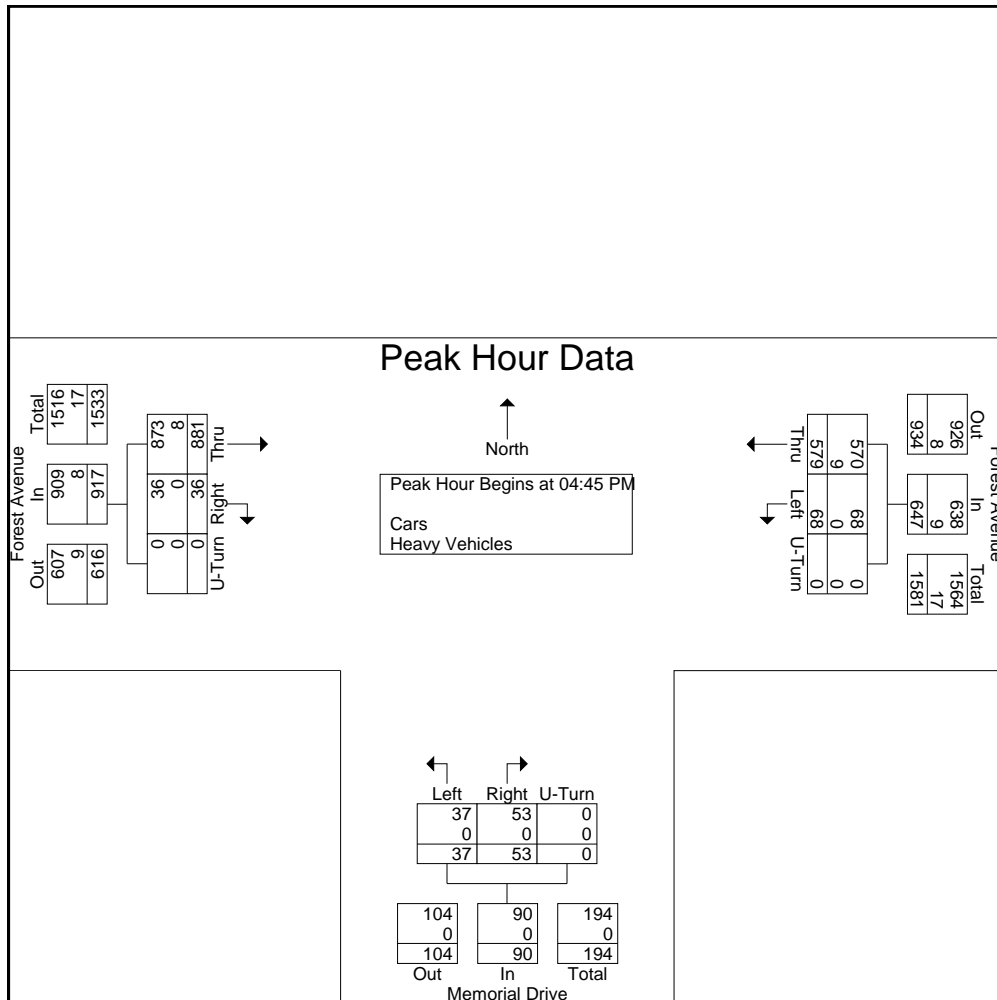
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File Name : 133573 A  
Site Code : TBA  
Start Date : 10/8/2013  
Page No : 3

S: Memorial Drive  
E/W: Forest Avenue  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Forest Avenue From East			App. Total	Memorial Drive From South			App. Total	Forest Avenue From West			Int. Total	
	Thru	Left	U-Turn		Right	Left	U-Turn		Right	Thru	U-Turn		App. Total
Peak Hour Analysis From 02:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	149	10	0	159	10	8	0	18	12	212	0	224	401
05:00 PM	140	24	0	164	15	9	0	24	7	217	0	224	412
05:15 PM	136	14	0	150	13	11	0	24	10	233	0	243	417
05:30 PM	154	20	0	174	15	9	0	24	7	219	0	226	424
Total Volume	579	68	0	647	53	37	0	90	36	881	0	917	1654
% App. Total	89.5	10.5	0		58.9	41.1	0		3.9	96.1	0		
PHF	.940	.708	.000	.930	.883	.841	.000	.938	.750	.945	.000	.943	.975
Cars	570	68	0	638	53	37	0	90	36	873	0	909	1637
% Cars	98.4	100	0	98.6	100	100	0	100	100	99.1	0	99.1	99.0
Heavy Vehicles	9	0	0	9	0	0	0	0	0	8	0	8	17
% Heavy Vehicles	1.6	0	0	1.4	0	0	0	0	0	0.9	0	0.9	1.0





# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Forest Avenue Westbound				Memorial Drive Northbound				Forest Avenue Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	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	32	104	0	136	89	41	0	130	78	37	0	115	381
07:15 AM	74	37	0	111	97	43	1	141	7	57	0	64	316
07:30 AM	110	17	2	129	9	4	1	14	6	66	0	72	215
07:45 AM	132	7	0	139	6	7	0	13	7	81	0	88	240
Total	348	165	2	515	201	95	2	298	98	241	0	339	1152
08:00 AM	144	10	0	154	6	7	1	14	5	78	0	83	251
08:15 AM	143	8	0	151	6	10	0	16	10	74	1	85	252
08:30 AM	136	8	0	144	7	3	2	12	2	74	0	76	232
08:45 AM	129	3	0	132	2	1	0	3	4	84	0	88	223
Total	552	29	0	581	21	21	3	45	21	310	1	332	958
Grand Total	900	194	2	1096	222	116	5	343	119	551	1	671	2110
Apprch %	82.1	17.7	0.2		64.7	33.8	1.5		17.7	82.1	0.1		
Total %	42.7	9.2	0.1	51.9	10.5	5.5	0.2	16.3	5.6	26.1	0	31.8	
Cars	879	194	0	1073	204	110	0	314	114	523	0	637	2024
% Cars	97.7	100	0	97.9	91.9	94.8	0	91.5	95.8	94.9	0	94.9	95.9
Buses	6	0	2	8	16	6	5	27	3	15	0	18	53
% Buses	0.7	0	100	0.7	7.2	5.2	100	7.9	2.5	2.7	0	2.7	2.5
Trucks	15	0	0	15	2	0	0	2	2	13	1	16	33
% Trucks	1.7	0	0	1.4	0.9	0	0	0.6	1.7	2.4	100	2.4	1.6

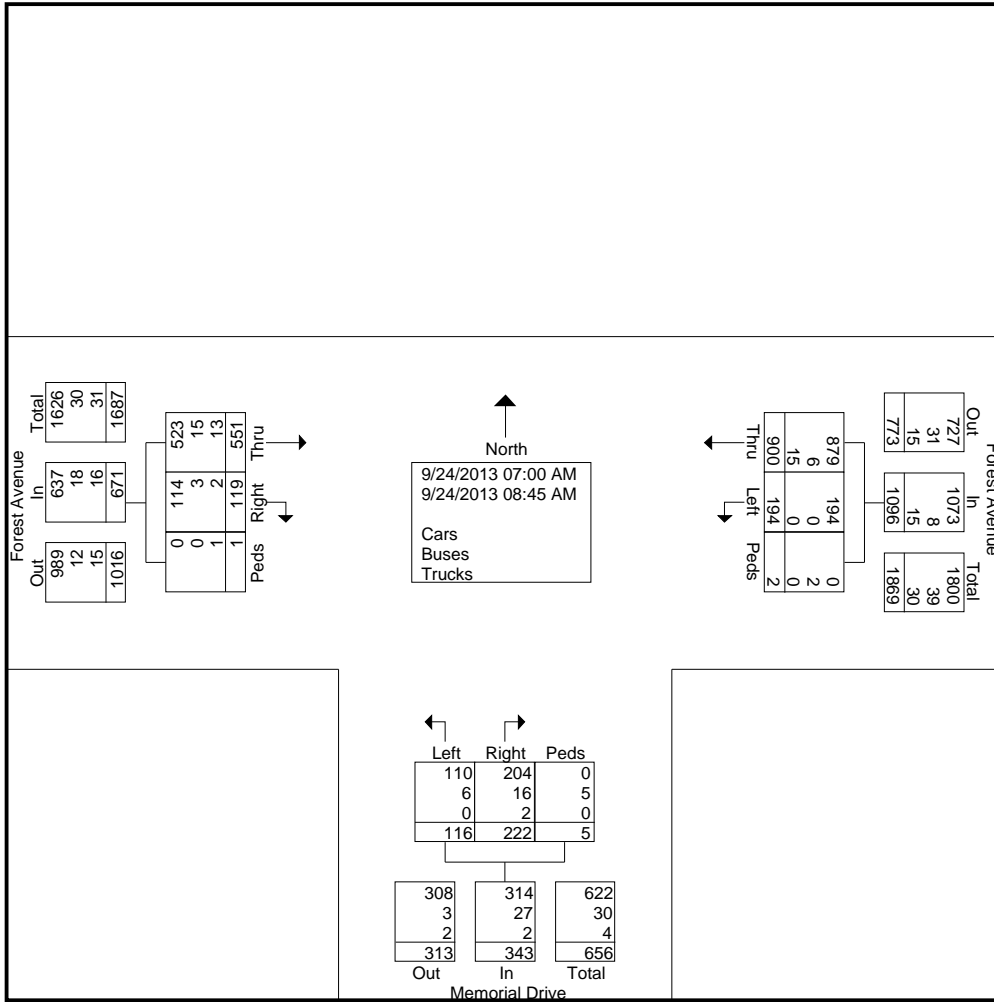


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 2



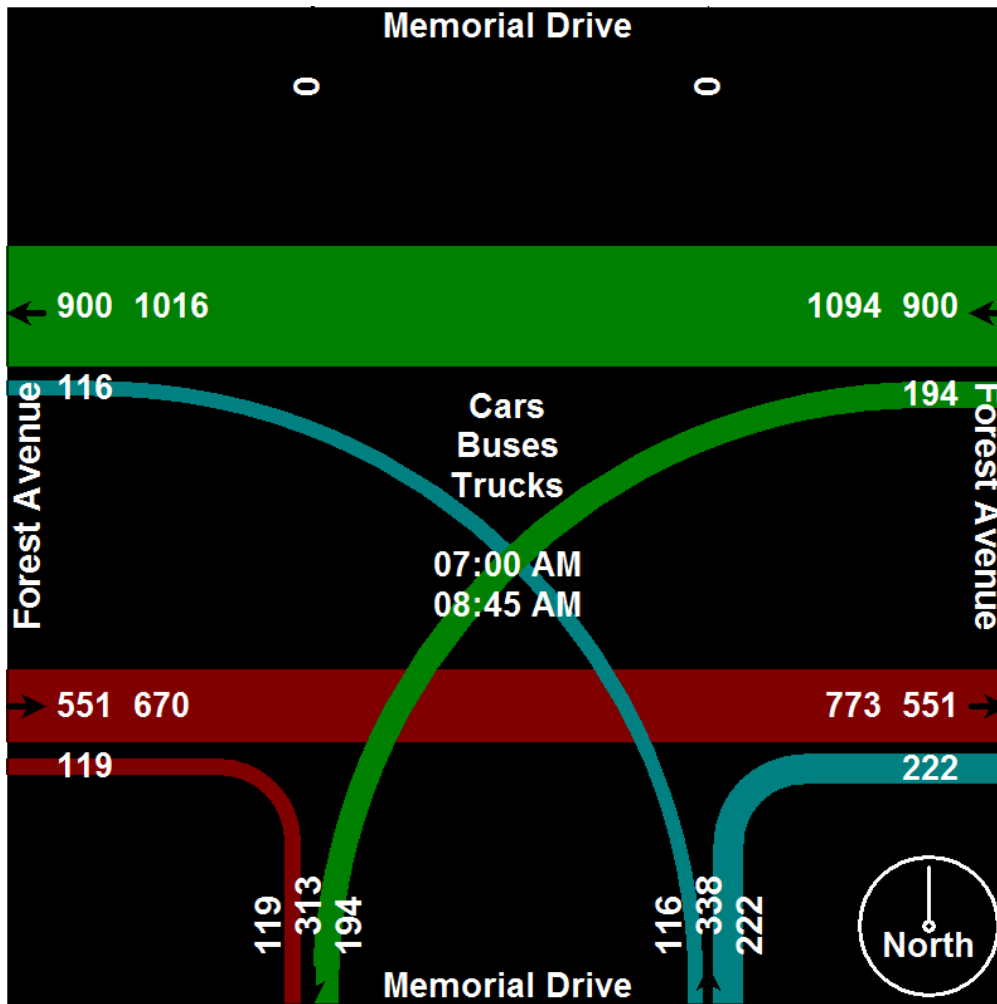


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (6) / BH  
Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_AM  
Site Code : 44  
Start Date : 9/24/2013  
Page No : 3





# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 4

Start Time	Forest Avenue Westbound				Memorial Drive Northbound				Forest Avenue Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	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	32	<b>104</b>	0	136	89	41	0	130	<b>78</b>	37	0	<b>115</b>	<b>381</b>
07:15 AM	74	37	0	111	<b>97</b>	<b>43</b>	<b>1</b>	<b>141</b>	7	57	0	64	316
07:30 AM	110	17	<b>2</b>	129	9	4	1	14	6	66	0	72	215
07:45 AM	<b>132</b>	7	0	<b>139</b>	6	7	0	13	7	<b>81</b>	0	88	240
Total Volume	348	165	2	515	201	95	2	298	98	241	0	339	1152
% App. Total	67.6	32	0.4		67.4	31.9	0.7		28.9	71.1	0		
PHF	.659	.397	.250	.926	.518	.552	.500	.528	.314	.744	.000	.737	.756
Cars	340	165	0	505	185	89	0	274	95	226	0	321	1100
% Cars	97.7	100	0	98.1	92.0	93.7	0	91.9	96.9	93.8	0	94.7	95.5
Buses	3	0	2	5	15	6	2	23	3	10	0	13	41
% Buses	0.9	0	100	1.0	7.5	6.3	100	7.7	3.1	4.1	0	3.8	3.6
Trucks	5	0	0	5	1	0	0	1	0	5	0	5	11
% Trucks	1.4	0	0	1.0	0.5	0	0	0.3	0	2.1	0	1.5	1.0

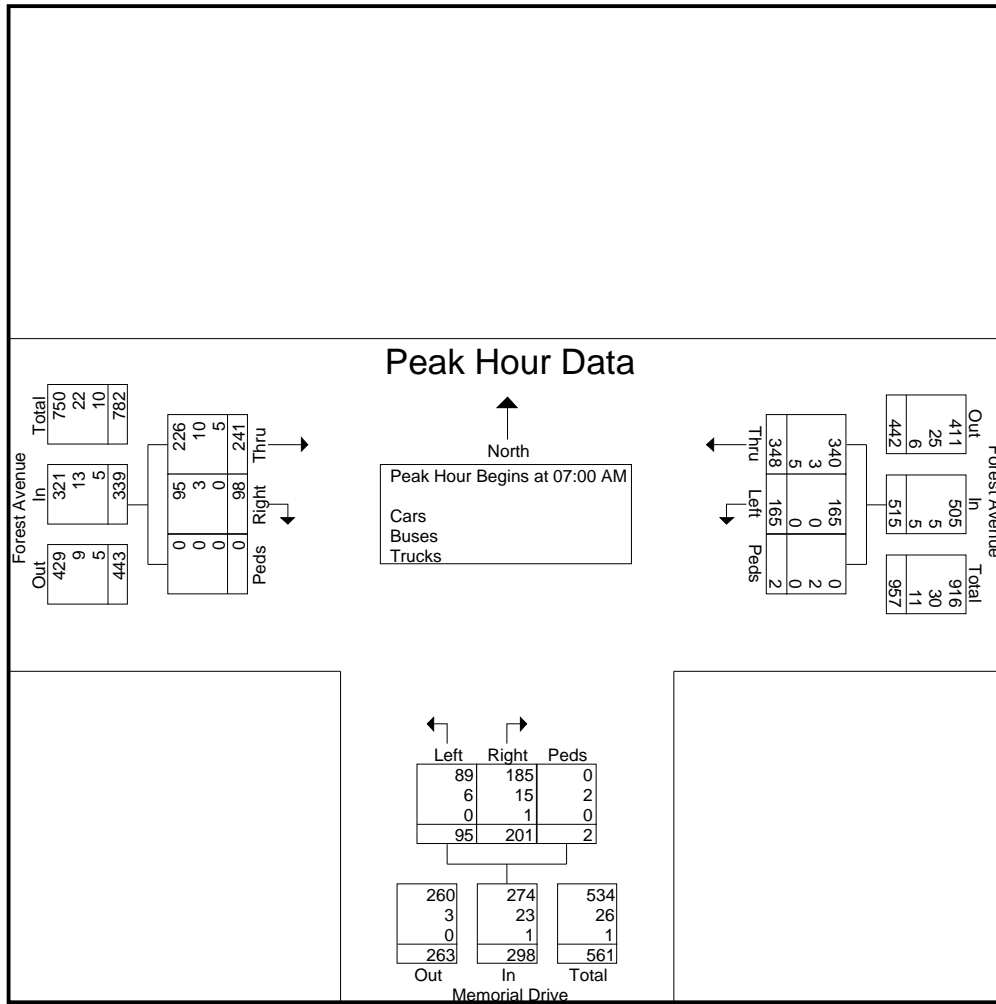


# Old Colony Planning Council

70 School Street  
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 (508) 583-1833  
 www.ocpcrpa.org

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (6) / BH  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Memorial Drive\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 5



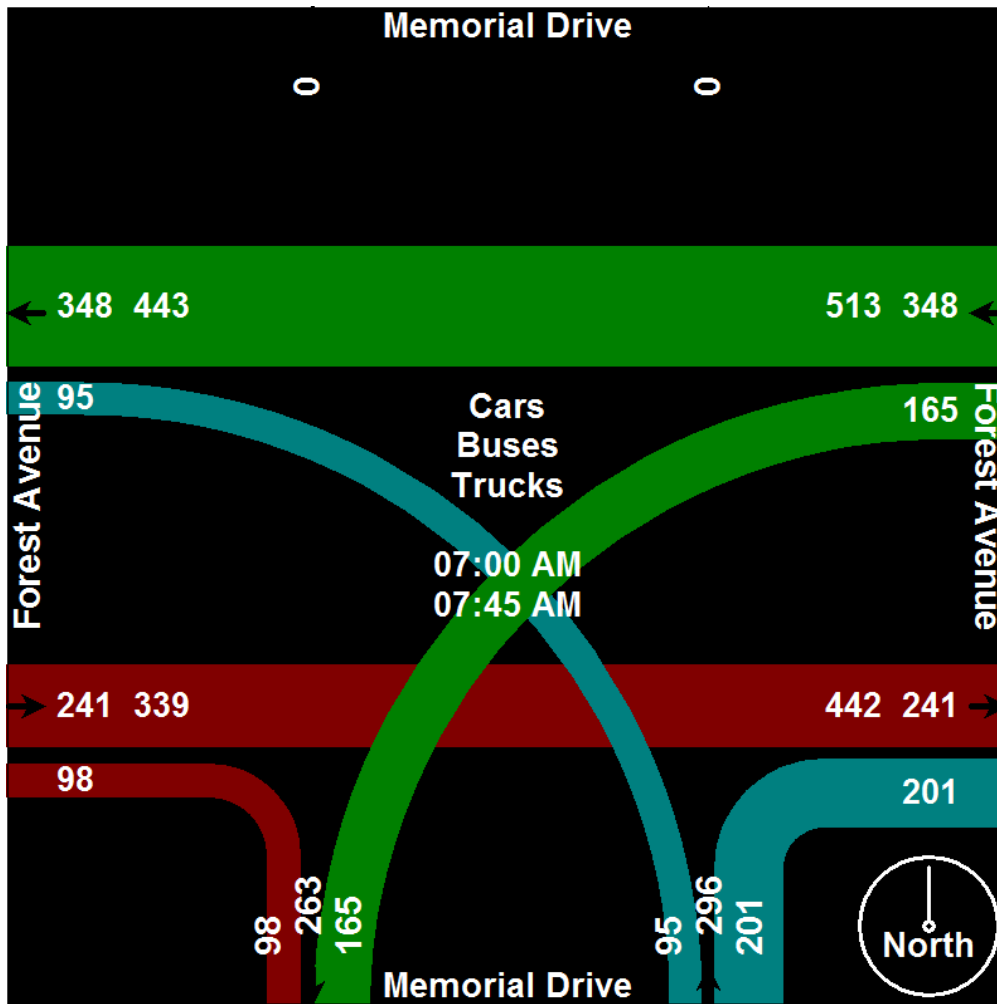


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Image 1







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 Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	Main Street Southbound					Martin Place Westbound					Main Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	18	57	1	2	78	0	2	0	3	5	0	112	34	0	146	30	0	22	4	56	285
01:45 PM	14	58	0	0	72	0	0	1	6	7	0	125	45	0	170	29	0	25	4	58	307
Total	32	115	1	2	150	0	2	1	9	12	0	237	79	0	316	59	0	47	8	114	592
02:00 PM	21	63	0	1	85	1	0	0	3	4	1	113	33	0	147	41	0	42	5	88	324
02:15 PM	20	93	0	0	113	1	0	0	9	10	1	111	34	0	146	36	0	37	4	77	346
02:30 PM	18	60	0	8	86	1	0	0	0	1	3	99	49	4	155	44	0	37	4	85	327
02:45 PM	19	78	1	6	104	0	0	2	15	17	0	115	37	7	159	44	0	20	4	68	348
Total	78	294	1	15	388	3	0	2	27	32	5	438	153	11	607	165	0	136	17	318	1345
03:00 PM	31	95	0	1	127	1	0	1	1	3	0	106	42	0	148	26	1	38	10	75	353
03:15 PM	20	63	0	0	83	0	0	0	0	0	0	117	39	1	157	40	0	37	9	86	326
03:30 PM	25	90	1	3	119	0	0	0	1	1	0	117	39	0	156	42	1	35	8	86	362
03:45 PM	27	73	0	3	103	0	0	0	7	7	0	103	49	0	152	51	0	31	11	93	355
Total	103	321	1	7	432	1	0	1	9	11	0	443	169	1	613	159	2	141	38	340	1396
04:00 PM	28	85	1	1	115	0	0	0	2	2	1	108	36	0	145	37	0	29	12	78	340
04:15 PM	19	78	0	0	97	0	1	0	2	3	0	120	31	0	151	44	1	39	13	97	348
04:30 PM	25	76	0	2	103	0	1	0	1	2	0	107	35	0	142	36	2	41	10	89	336
04:45 PM	28	101	0	0	129	0	0	1	2	3	0	121	44	0	165	47	1	31	8	87	384
Total	100	340	1	3	444	0	2	1	7	10	1	456	146	0	603	164	4	140	43	351	1408
05:00 PM	18	87	0	0	105	0	1	1	12	14	0	134	36	0	170	42	1	44	11	98	387
05:15 PM	17	80	0	1	98	0	0	1	8	9	0	98	35	0	133	38	0	37	10	85	325
05:30 PM	30	80	0	0	110	0	0	0	1	1	1	117	40	3	161	41	0	40	12	93	365
05:45 PM	23	84	0	2	109	0	1	0	3	4	0	117	34	0	151	36	0	38	12	86	350
Total	88	331	0	3	422	0	2	2	24	28	1	466	145	3	615	157	1	159	45	362	1427
Grand Total	401	1401	4	30	1836	4	6	7	76	93	7	2040	692	15	2754	704	7	623	151	1485	6168
Apprch %	21.8	76.3	0.2	1.6		4.3	6.5	7.5	81.7		0.3	74.1	25.1	0.5		47.4	0.5	42	10.2		
Total %	6.5	22.7	0.1	0.5	29.8	0.1	0.1	0.1	1.2	1.5	0.1	33.1	11.2	0.2	44.6	11.4	0.1	10.1	2.4	24.1	
Cars	391	1360	4	0	1755	4	5	5	0	14	7	1984	678	0	2669	684	7	596	0	1287	5725
% Cars	97.5	97.1	100	0	95.6	100	83.3	71.4	0	15.1	100	97.3	98	0	96.9	97.2	100	95.7	0	86.7	92.8
Buses	3	21	0	19	43	0	0	2	35	37	0	29	7	2	38	5	0	16	89	110	228
% Buses	0.7	1.5	0	63.3	2.3	0	0	28.6	46.1	39.8	0	1.4	1	13.3	1.4	0.7	0	2.6	58.9	7.4	3.7
Trucks	7	20	0	11	38	0	1	0	41	42	0	27	7	13	47	15	0	11	62	88	215
% Trucks	1.7	1.4	0	36.7	2.1	0	16.7	0	53.9	45.2	0	1.3	1	86.7	1.7	2.1	0	1.8	41.1	5.9	3.5

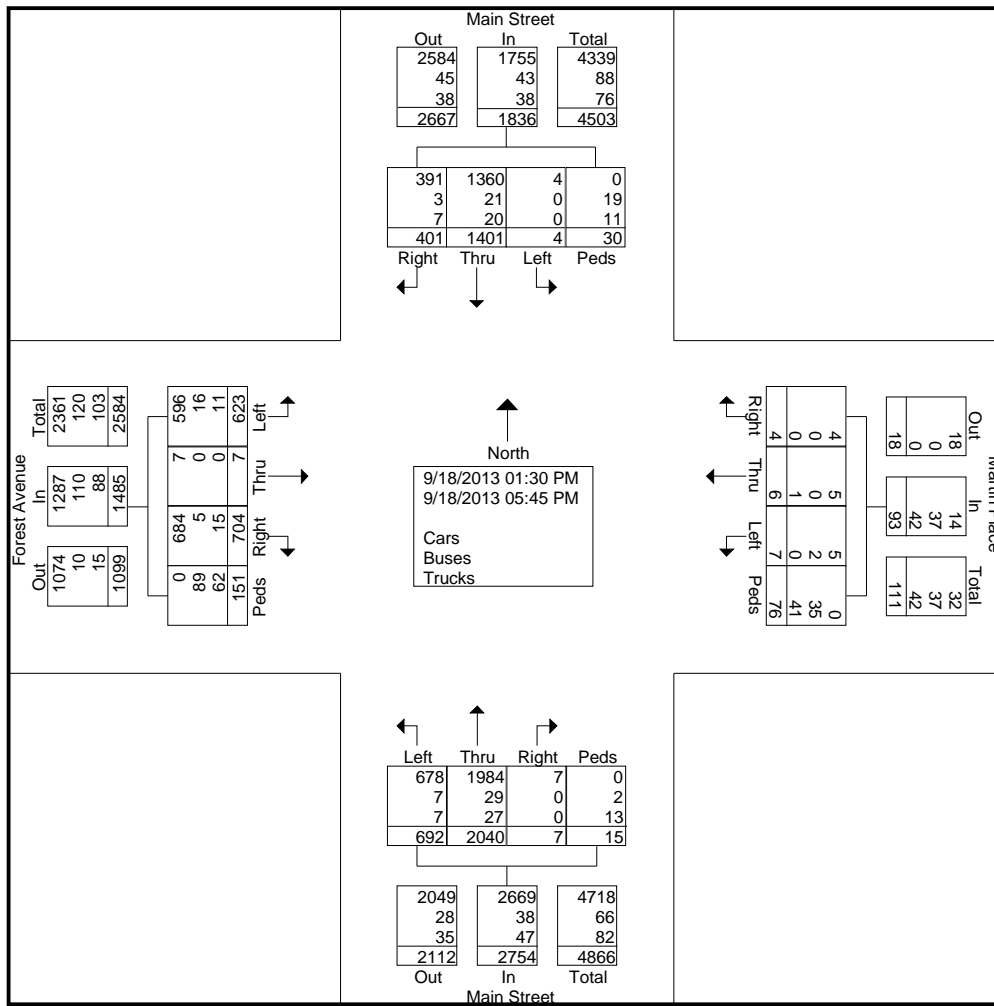


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 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_PM  
 Site Code : 44  
 Start Date : 9/18/2013  
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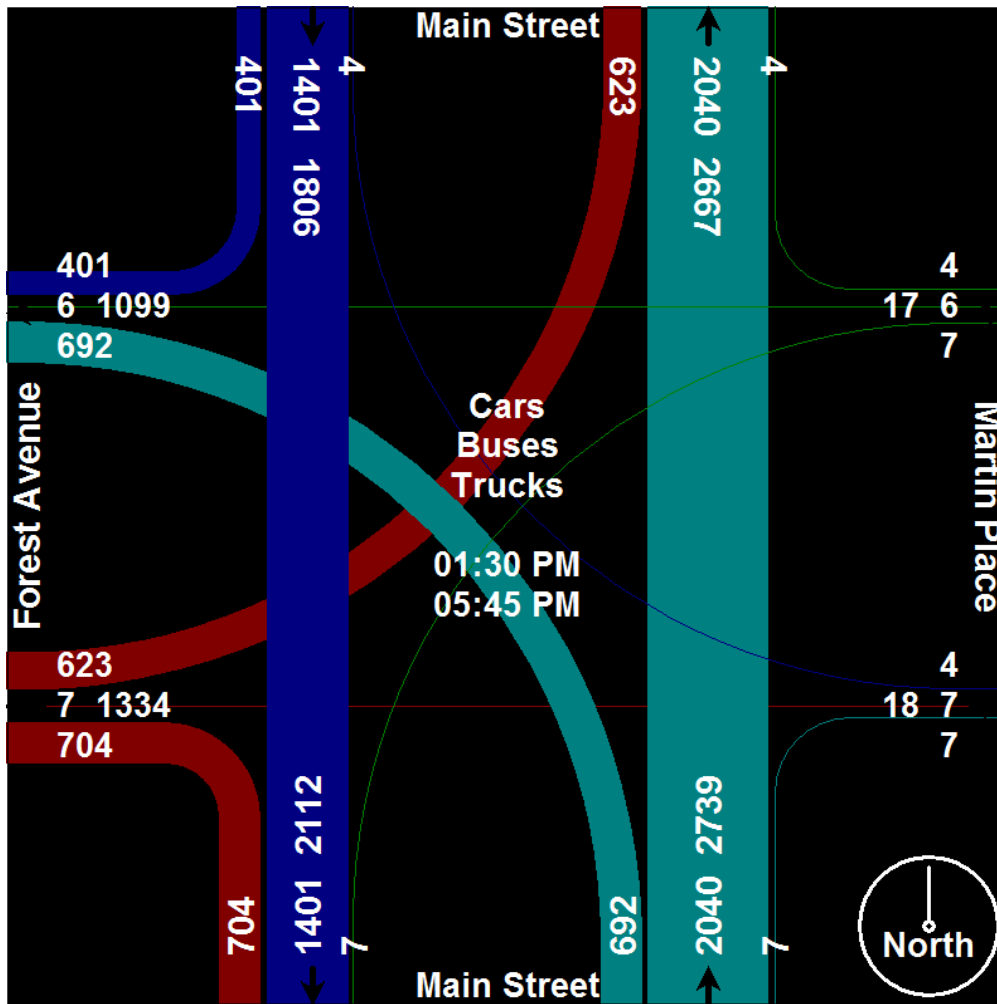


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 Page No : 4

Start Time	Main Street Southbound					Martin Place Westbound					Main Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	28	<b>101</b>	0	0	<b>129</b>	0	0	<b>1</b>	2	3	0	121	<b>44</b>	0	165	<b>47</b>	<b>1</b>	31	8	87	384
05:00 PM	18	87	0	0	105	0	<b>1</b>	1	<b>12</b>	<b>14</b>	0	<b>134</b>	36	0	<b>170</b>	42	1	<b>44</b>	11	<b>98</b>	<b>387</b>
05:15 PM	17	80	0	<b>1</b>	98	0	0	1	8	9	0	98	35	0	133	38	0	37	10	85	325
05:30 PM	<b>30</b>	80	0	0	110	0	0	0	1	1	<b>1</b>	117	40	<b>3</b>	161	41	0	40	<b>12</b>	93	365
Total Volume	93	348	0	1	442	0	1	3	23	27	1	470	155	3	629	168	2	152	41	363	1461
% App. Total	21	78.7	0	0.2		0	3.7	11.1	85.2		0.2	74.7	24.6	0.5		46.3	0.6	41.9	11.3		
PHF	.775	.861	.000	.250	.857	.000	.250	.750	.479	.482	.250	.877	.881	.250	.925	.894	.500	.864	.854	.926	.944
Cars	92	338	0	0	430	0	1	3	0	4	1	464	153	0	618	166	2	148	0	316	1368
% Cars	98.9	97.1	0	0	97.3	0	100	100	0	14.8	100	98.7	98.7	0	98.3	98.8	100	97.4	0	87.1	93.6
Buses	0	5	0	1	6	0	0	0	15	15	0	4	0	1	5	0	0	1	21	22	48
% Buses	0	1.4	0	100	1.4	0	0	0	65.2	55.6	0	0.9	0	33.3	0.8	0	0	0.7	51.2	6.1	3.3
Trucks	1	5	0	0	6	0	0	0	8	8	0	2	2	2	6	2	0	3	20	25	45
% Trucks	1.1	1.4	0	0	1.4	0	0	0	34.8	29.6	0	0.4	1.3	66.7	1.0	1.2	0	2.0	48.8	6.9	3.1

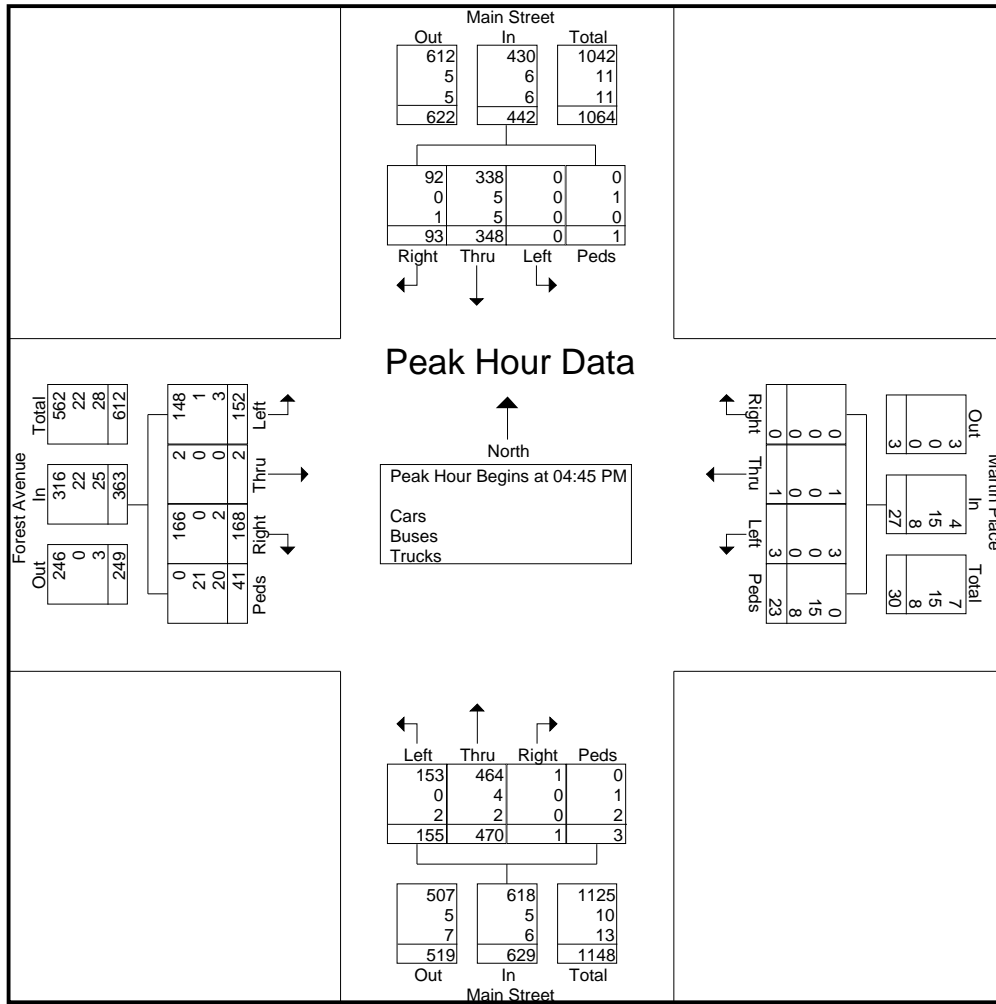


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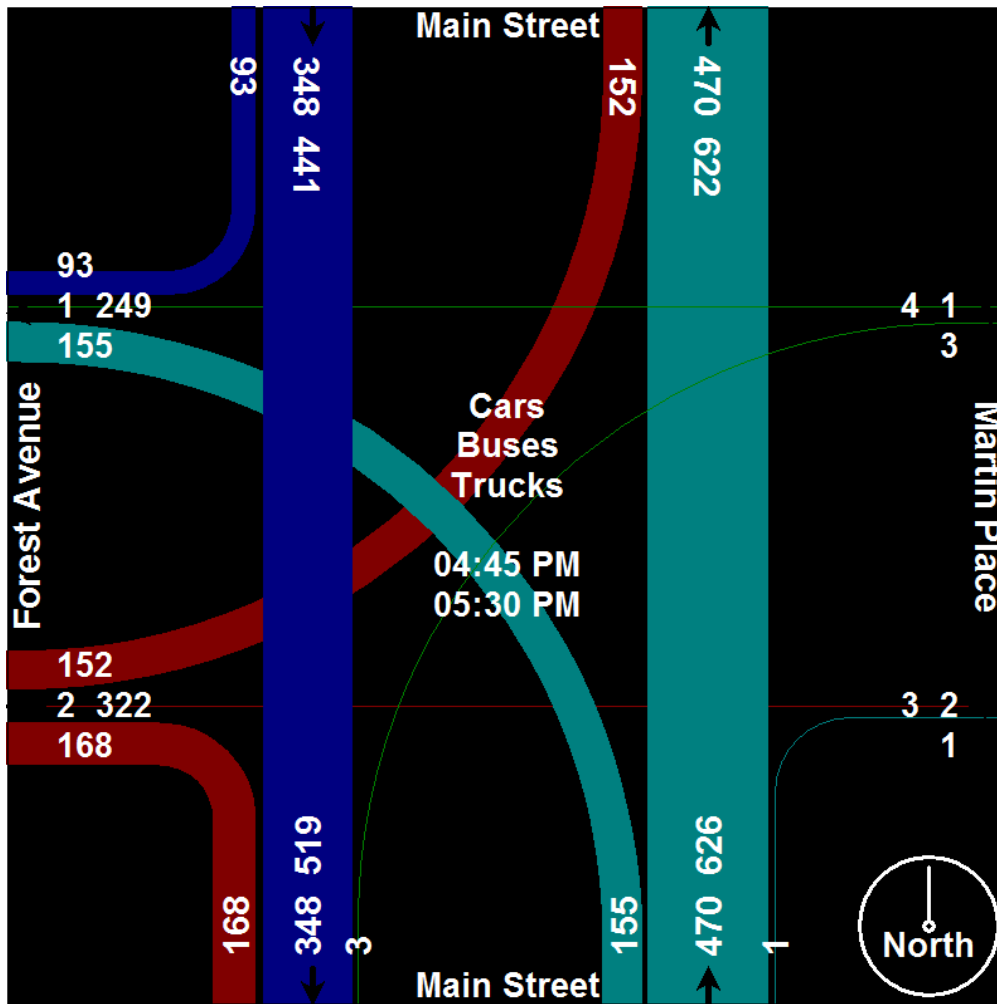


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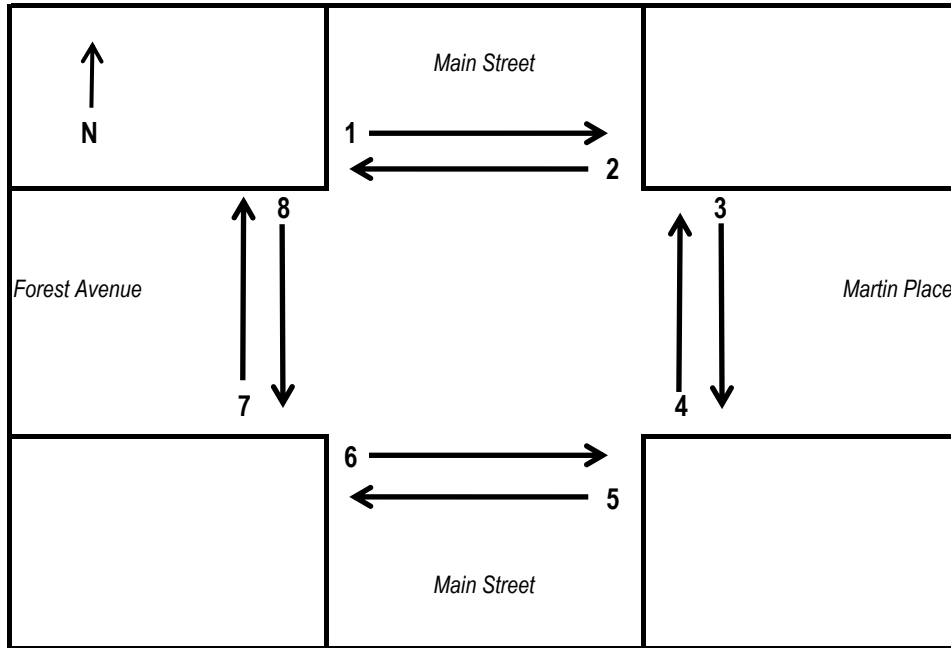
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Forest Avenue  
**Location:** @ Main Street/Martin Place  
**Weather:** Clear      **Board #:** DB-400 (3)      **Staff:** RG      **Date:** 9/18/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes							2	2
1:45 PM - 2:00 PM	Bikes				1				
2:00 PM - 2:15 PM	Bikes								1
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes				1			1	
3:00 PM - 3:15 PM	Bikes								
3:15 PM - 3:30 PM	Bikes								1
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes								1
4:00 PM - 4:15 PM	Bikes			1				3	1
4:15 PM - 4:30 PM	Bikes			1					
4:30 PM - 4:45 PM	Bikes			1	1			2	1
4:45 PM - 5:00 PM	Bikes							1	
5:00 PM - 5:15 PM	Bikes							1	
5:15 PM - 5:30 PM	Bikes				1			1	
5:30 PM - 5:45 PM	Bikes								2
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>9</b>

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





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## Groups Printed- Cars - Buses - Trucks

Start Time	Main Street Southbound					Martin Place Westbound					Main Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	16	23	0	0	39	0	0	0	0	0	0	86	21	0	107	23	0	43	5	71	217
07:15 AM	14	36	4	1	55	0	0	0	0	0	0	116	11	0	127	14	0	37	2	53	235
07:30 AM	19	46	0	3	68	0	0	0	0	0	0	113	26	3	142	34	0	29	12	75	285
07:45 AM	18	51	3	3	75	0	0	0	0	0	0	110	25	0	135	26	0	43	2	71	281
Total	67	156	7	7	237	0	0	0	0	0	0	425	83	3	511	97	0	152	21	270	1018
08:00 AM	15	58	6	0	79	0	0	0	0	0	0	114	30	0	144	32	0	36	4	72	295
08:15 AM	13	46	0	0	59	0	0	0	0	0	0	132	38	0	170	16	0	19	4	39	268
08:30 AM	17	42	1	0	60	0	0	0	3	3	0	131	35	0	166	27	0	30	1	58	287
08:45 AM	11	47	0	1	59	0	0	0	5	5	0	96	25	0	121	40	0	34	8	82	267
Total	56	193	7	1	257	0	0	0	8	8	0	473	128	0	601	115	0	119	17	251	1117
Grand Total	123	349	14	8	494	0	0	0	8	8	0	898	211	3	1112	212	0	271	38	521	2135
Apprch %	24.9	70.6	2.8	1.6		0	0	0	100		0	80.8	19	0.3		40.7	0	52	7.3		
Total %	5.8	16.3	0.7	0.4	23.1	0	0	0	0.4	0.4	0	42.1	9.9	0.1	52.1	9.9	0	12.7	1.8	24.4	
Cars	117	303	1	0	421	0	0	0	0	0	0	874	211	0	1085	200	0	251	0	451	1957
% Cars	95.1	86.8	7.1	0	85.2	0	0	0	0	0	0	97.3	100	0	97.6	94.3	0	92.6	0	86.6	91.7
Buses	3	28	5	4	40	0	0	0	8	8	0	17	0	1	18	7	0	11	21	39	105
% Buses	2.4	8	35.7	50	8.1	0	0	0	100	100	0	1.9	0	33.3	1.6	3.3	0	4.1	55.3	7.5	4.9
Trucks	3	18	8	4	33	0	0	0	0	0	0	7	0	2	9	5	0	9	17	31	73
% Trucks	2.4	5.2	57.1	50	6.7	0	0	0	0	0	0	0.8	0	66.7	0.8	2.4	0	3.3	44.7	6	3.4

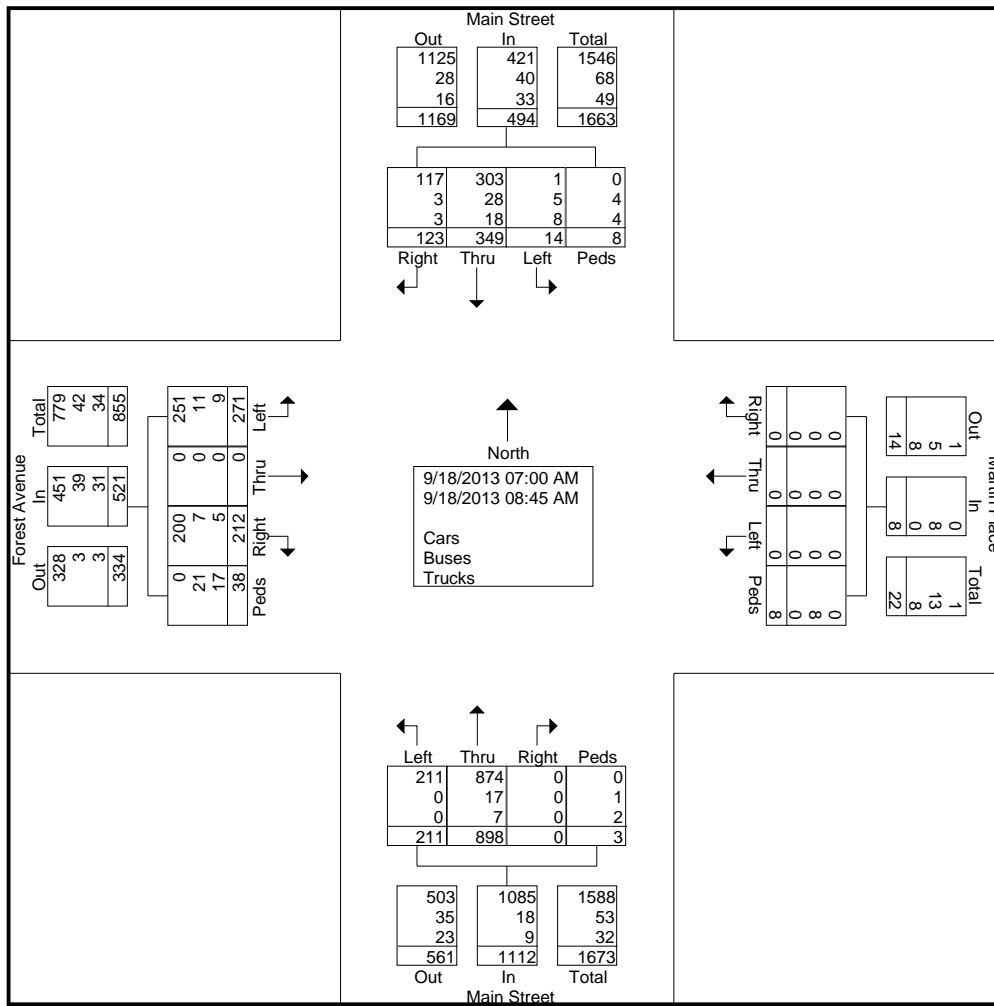


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 Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_AM  
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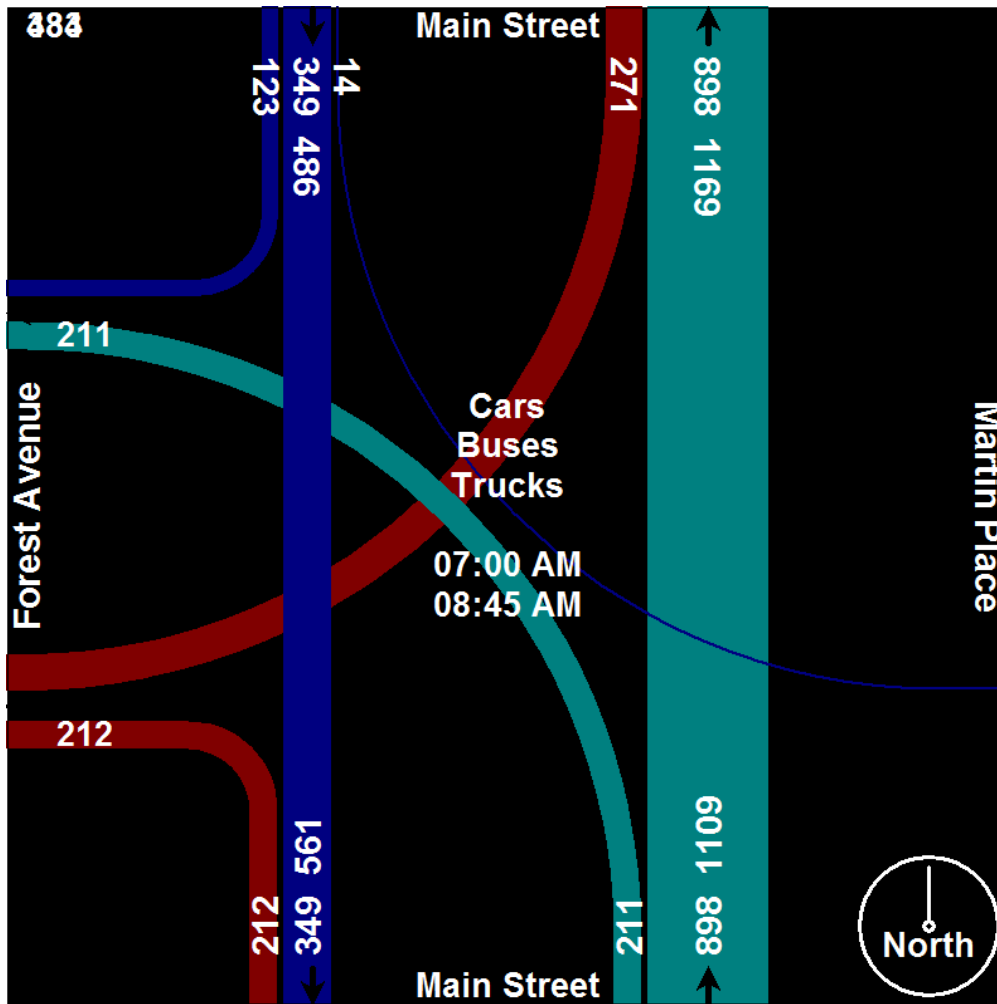


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 Page No : 4

Start Time	Main Street Southbound					Martin Place Westbound					Main Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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 07:45 AM																					
07:45 AM	18	51	3	3	75	0	0	0	0	0	0	110	25	0	135	26	0	43	2	71	281
08:00 AM	15	58	6	0	79	0	0	0	0	0	0	114	30	0	144	32	0	36	4	72	295
08:15 AM	13	46	0	0	59	0	0	0	0	0	0	132	38	0	170	16	0	19	4	39	268
08:30 AM	17	42	1	0	60	0	0	0	3	3	0	131	35	0	166	27	0	30	1	58	287
Total Volume	63	197	10	3	273	0	0	0	3	3	0	487	128	0	615	101	0	128	11	240	1131
% App. Total	23.1	72.2	3.7	1.1		0	0	0	100	100	0	79.2	20.8	0		42.1	0	53.3	4.6		
PHF	.875	.849	.417	.250	.864	.000	.000	.000	.250	.250	.000	.922	.842	.000	.904	.789	.000	.744	.688	.833	.958
Cars	61	169	1	0	231	0	0	0	0	0	0	479	128	0	607	96	0	119	0	215	1053
% Cars	96.8	85.8	10.0	0	84.6	0	0	0	0	0	0	98.4	100	0	98.7	95.0	0	93.0	0	89.6	93.1
Buses	2	16	3	1	22	0	0	0	3	3	0	5	0	0	5	2	0	3	7	12	42
% Buses	3.2	8.1	30.0	33.3	8.1	0	0	0	100	100	0	1.0	0	0	0.8	2.0	0	2.3	63.6	5.0	3.7
Trucks	0	12	6	2	20	0	0	0	0	0	0	3	0	0	3	3	0	6	4	13	36
% Trucks	0	6.1	60.0	66.7	7.3	0	0	0	0	0	0	0.6	0	0	0.5	3.0	0	4.7	36.4	5.4	3.2

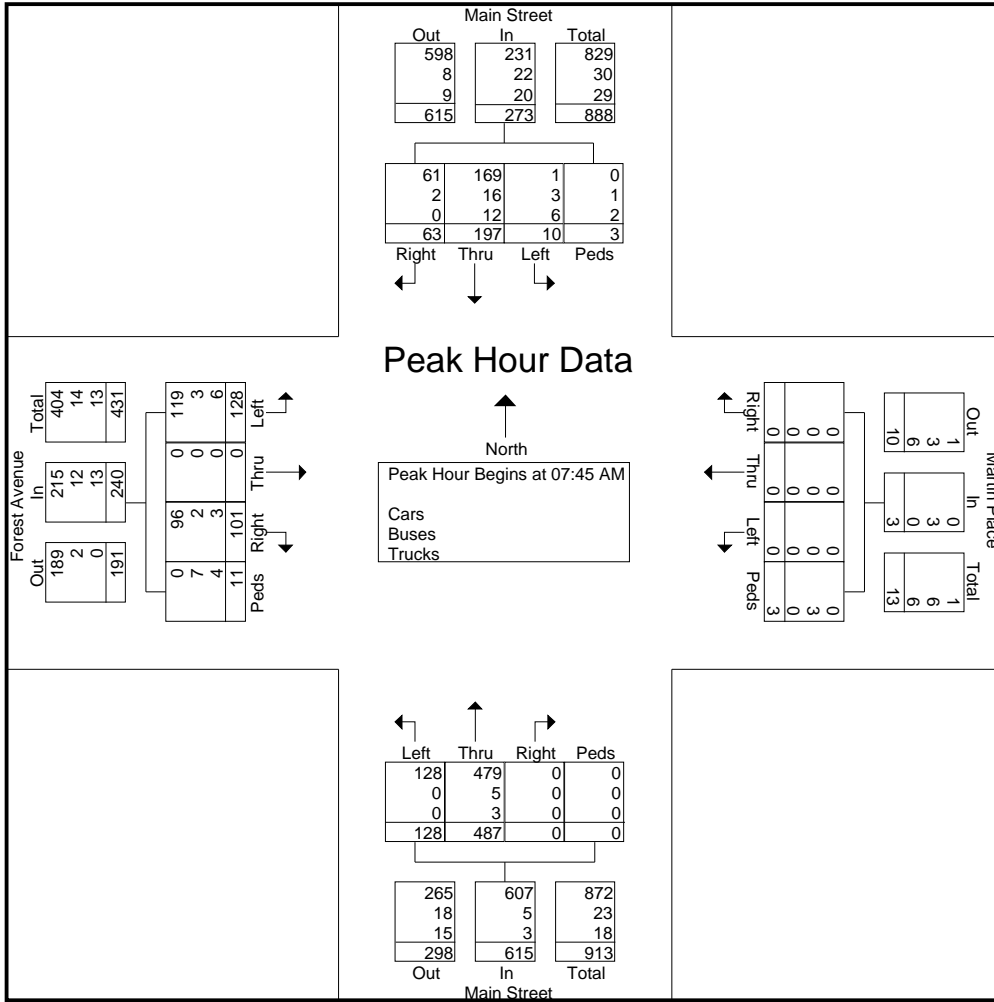


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (3) / RG  
 Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_AM  
 Site Code : 44  
 Start Date : 9/18/2013  
 Page No : 5



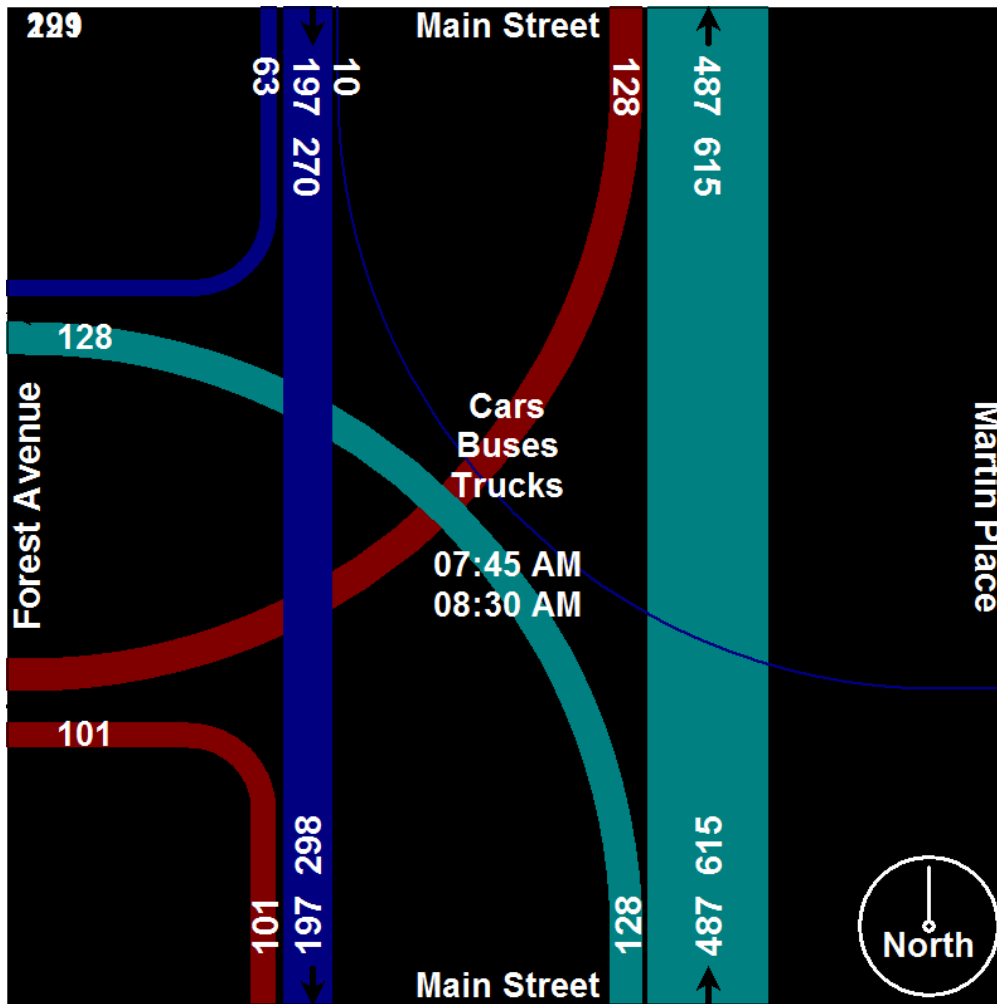


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (3) / RG  
Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_AM  
Site Code : 44  
Start Date : 9/18/2013  
Page No : 6





# Old Colony Planning Council

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Brockton, MA 02301  
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[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (3) / RG  
Traffic Control: Stop Sign

File Name : Forest Ave. @ Main\_Martinplace\_AM  
Site Code : 44  
Start Date : 9/18/2013  
Page No : 7

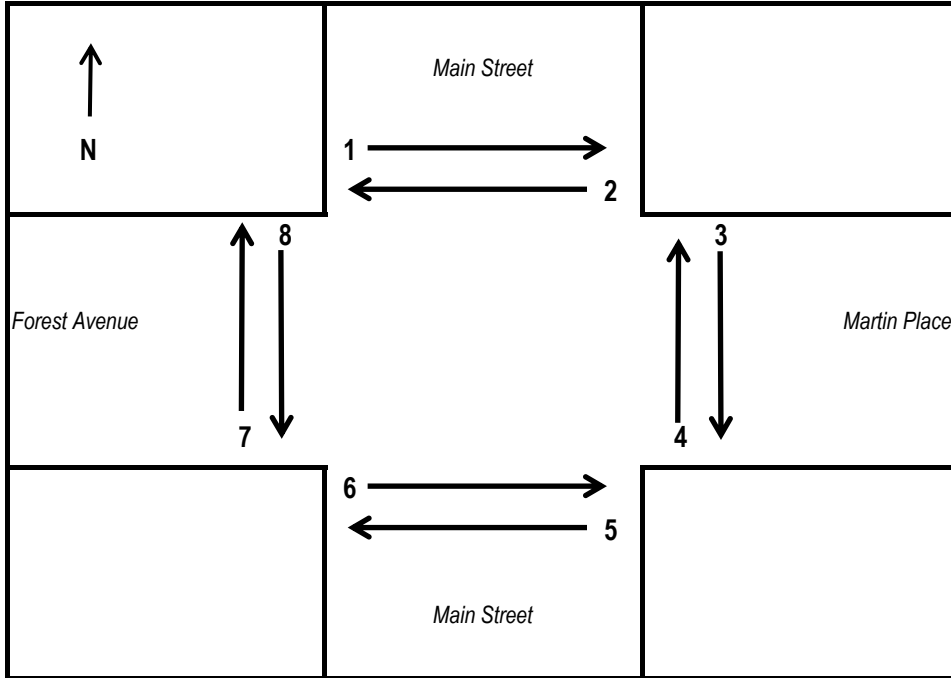
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Main Street  
**Location:** @ Forest Avenue/Martin Place  
**Weather:** Clear      **Board #:** DB-400 (3)      **Staff:** RG      **Date:** 9/18/2013



Interval		1	2	3	4	5	6	7	8
7:00 AM - 7:15 AM	Bikes								1
7:15 AM - 7:30 AM	Bikes				2				
7:30 AM - 7:45 AM	Bikes				2				
7:45 AM - 8:00 AM	Bikes								
8:00 AM - 8:15 AM	Bikes								1
8:15 AM - 8:30 AM	Bikes								
8:30 AM - 8:45 AM	Bikes			1					
8:45 AM - 9:00 AM	Bikes				1			1	1
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>

**Comments:** School Bus Stop at 8AM on the Northeast corner of Main Street and Martin Place  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_





# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Manomet Street Southbound					Forest Avenue Westbound					Bouve Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	9	11	4	0	24	2	124	0	1	127	0	10	22	2	34	27	125	4	1	157	342
01:45 PM	6	17	2	0	25	3	108	1	0	112	0	12	20	0	32	17	107	4	3	131	300
Total	15	28	6	0	49	5	232	1	1	239	0	22	42	2	66	44	232	8	4	288	642
02:00 PM	9	12	3	2	26	8	98	4	1	111	0	6	22	15	43	15	93	5	8	121	301
02:15 PM	3	20	4	10	37	7	89	1	13	110	2	14	12	198	226	23	124	6	0	153	526
02:30 PM	7	13	8	0	28	9	105	3	0	117	0	15	19	30	64	37	119	1	5	162	371
02:45 PM	9	15	1	0	25	6	125	0	1	132	0	11	22	24	57	24	118	3	4	149	363
Total	28	60	16	12	116	30	417	8	15	470	2	46	75	267	390	99	454	15	17	585	1561
03:00 PM	15	23	8	5	51	9	93	1	2	105	1	14	24	11	50	33	152	7	1	193	399
03:15 PM	9	13	4	3	29	6	106	2	2	116	1	13	23	5	42	28	145	2	0	175	362
03:30 PM	10	17	2	2	31	8	113	1	2	124	0	9	20	2	31	37	139	2	4	182	368
03:45 PM	5	16	8	1	30	6	105	1	0	112	1	12	23	1	37	32	124	4	0	160	339
Total	39	69	22	11	141	29	417	5	6	457	3	48	90	19	160	130	560	15	5	710	1468
04:00 PM	4	14	2	0	20	10	88	1	0	99	4	10	27	4	45	35	117	4	0	156	320
04:15 PM	1	12	6	0	19	10	66	2	1	79	0	10	22	5	37	37	123	4	1	165	300
04:30 PM	8	19	6	2	35	10	123	3	0	136	2	12	10	1	25	39	114	4	0	157	353
04:45 PM	6	20	4	0	30	4	117	0	0	121	1	16	18	0	35	33	136	3	2	174	360
Total	19	65	18	2	104	34	394	6	1	435	7	48	77	10	142	144	490	15	3	652	1333
05:00 PM	5	22	9	1	37	7	96	2	0	105	3	20	20	5	48	30	141	3	1	175	365
05:15 PM	6	20	4	0	30	4	103	4	0	111	2	9	21	4	36	32	118	7	1	158	335
05:30 PM	8	17	7	3	35	4	93	5	0	102	3	17	17	2	39	39	122	6	0	167	343
05:45 PM	4	19	7	0	30	6	88	3	1	98	1	17	17	2	37	33	94	3	1	131	296
Total	23	78	27	4	132	21	380	14	1	416	9	63	75	13	160	134	475	19	3	631	1339
Grand Total	124	300	89	29	542	119	1840	34	24	2017	21	227	359	311	918	551	2211	72	32	2866	6343
Apprch %	22.9	55.4	16.4	5.4		5.9	91.2	1.7	1.2		2.3	24.7	39.1	33.9		19.2	77.1	2.5	1.1		
Total %	2	4.7	1.4	0.5	8.5	1.9	29	0.5	0.4	31.8	0.3	3.6	5.7	4.9	14.5	8.7	34.9	1.1	0.5	45.2	
Cars	124	291	89	0	504	117	1806	33	1	1957	20	224	351	0	595	543	2159	69	1	2772	5828
% Cars	100	97	100	0	93	98.3	98.2	97.1	4.2	97	95.2	98.7	97.8	0	64.8	98.5	97.6	95.8	3.1	96.7	91.9
Buses	0	9	0	18	27	1	28	1	15	45	0	3	8	4	15	7	40	2	27	76	163
% Buses	0	3	0	62.1	5	0.8	1.5	2.9	62.5	2.2	0	1.3	2.2	1.3	1.6	1.3	1.8	2.8	84.4	2.7	2.6
Trucks	0	0	0	11	11	1	6	0	8	15	1	0	0	307	308	1	12	1	4	18	352
% Trucks	0	0	0	37.9	2	0.8	0.3	0	33.3	0.7	4.8	0	0	98.7	33.6	0.2	0.5	1.4	12.5	0.6	5.5

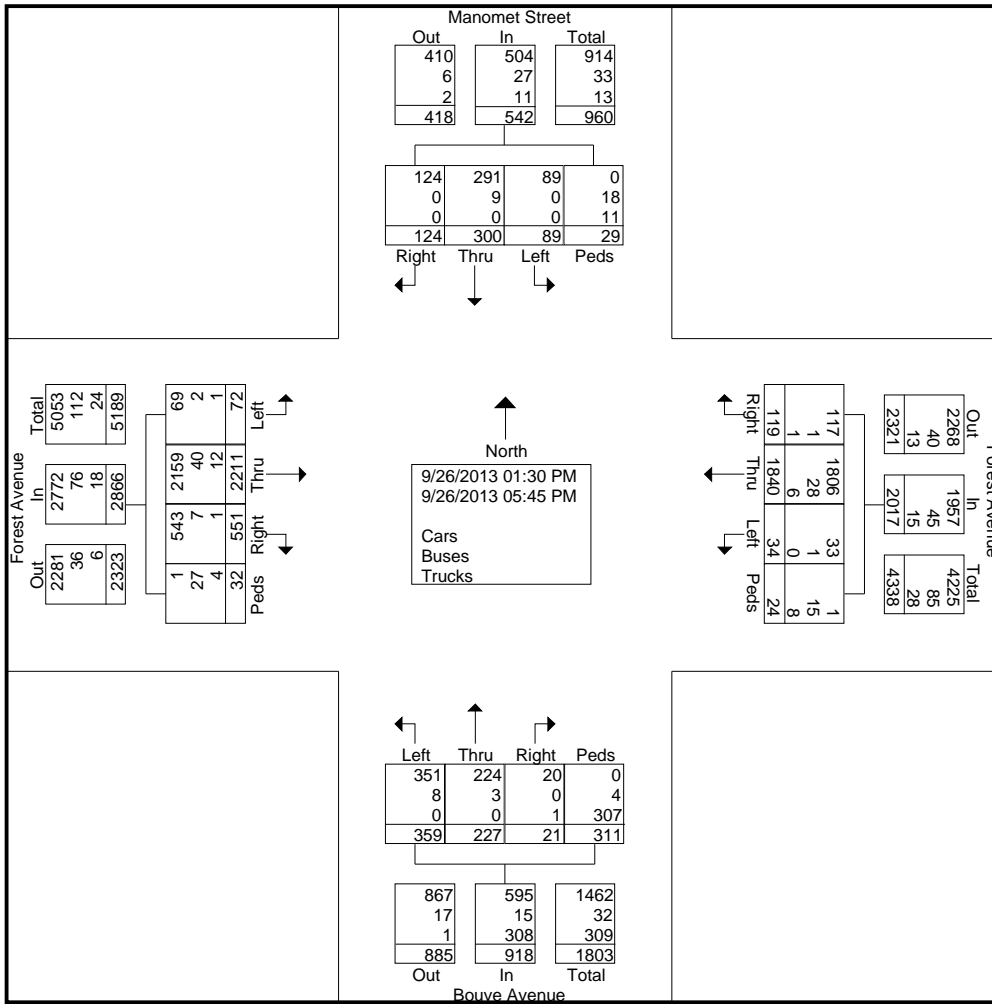


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 2



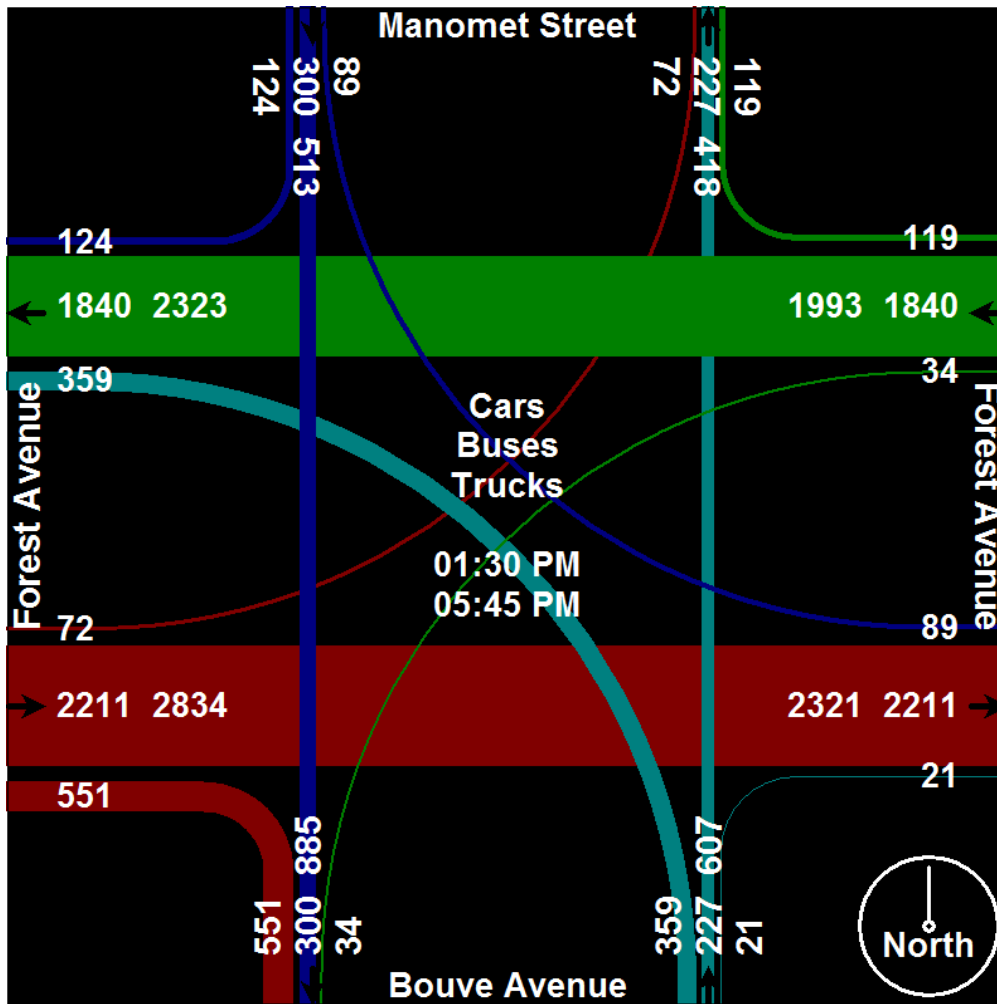


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Traffic Control: Traffic Light

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Page No : 3





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 www.ocpcrpa.org

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 4

Start Time	Manomet Street Southbound					Forest Avenue Westbound					Bouve Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 02:15 PM																					
02:15 PM	3	20	4	10	37	7	89	1	13	110	2	14	12	198	226	23	124	6	0	153	526
02:30 PM	7	13	8	0	28	9	105	3	0	117	0	15	19	30	64	37	119	1	5	162	371
02:45 PM	9	15	1	0	25	6	125	0	1	132	0	11	22	24	57	24	118	3	4	149	363
03:00 PM	15	23	8	5	51	9	93	1	2	105	1	14	24	11	50	33	152	7	1	193	399
Total Volume	34	71	21	15	141	31	412	5	16	464	3	54	77	263	397	117	513	17	10	657	1659
% App. Total	24.1	50.4	14.9	10.6		6.7	88.8	1.1	3.4		0.8	13.6	19.4	66.2		17.8	78.1	2.6	1.5		
PHF	.567	.772	.656	.375	.691	.861	.824	.417	.308	.879	.375	.900	.802	.332	.439	.791	.844	.607	.500	.851	.788
Cars	34	65	21	0	120	30	406	5	0	441	3	52	77	0	132	115	500	17	0	632	1325
% Cars	100	91.5	100	0	85.1	96.8	98.5	100	0	95.0	100	96.3	100	0	33.2	98.3	97.5	100	0	96.2	79.9
Buses	0	6	0	14	20	0	4	0	12	16	0	2	0	0	2	2	10	0	8	20	58
% Buses	0	8.5	0	93.3	14.2	0	1.0	0	75.0	3.4	0	3.7	0	0	0.5	1.7	1.9	0	80.0	3.0	3.5
Trucks	0	0	0	1	1	1	2	0	4	7	0	0	0	263	263	0	3	0	2	5	276
% Trucks	0	0	0	6.7	0.7	3.2	0.5	0	25.0	1.5	0	0	0	100	66.2	0	0.6	0	20.0	0.8	16.6

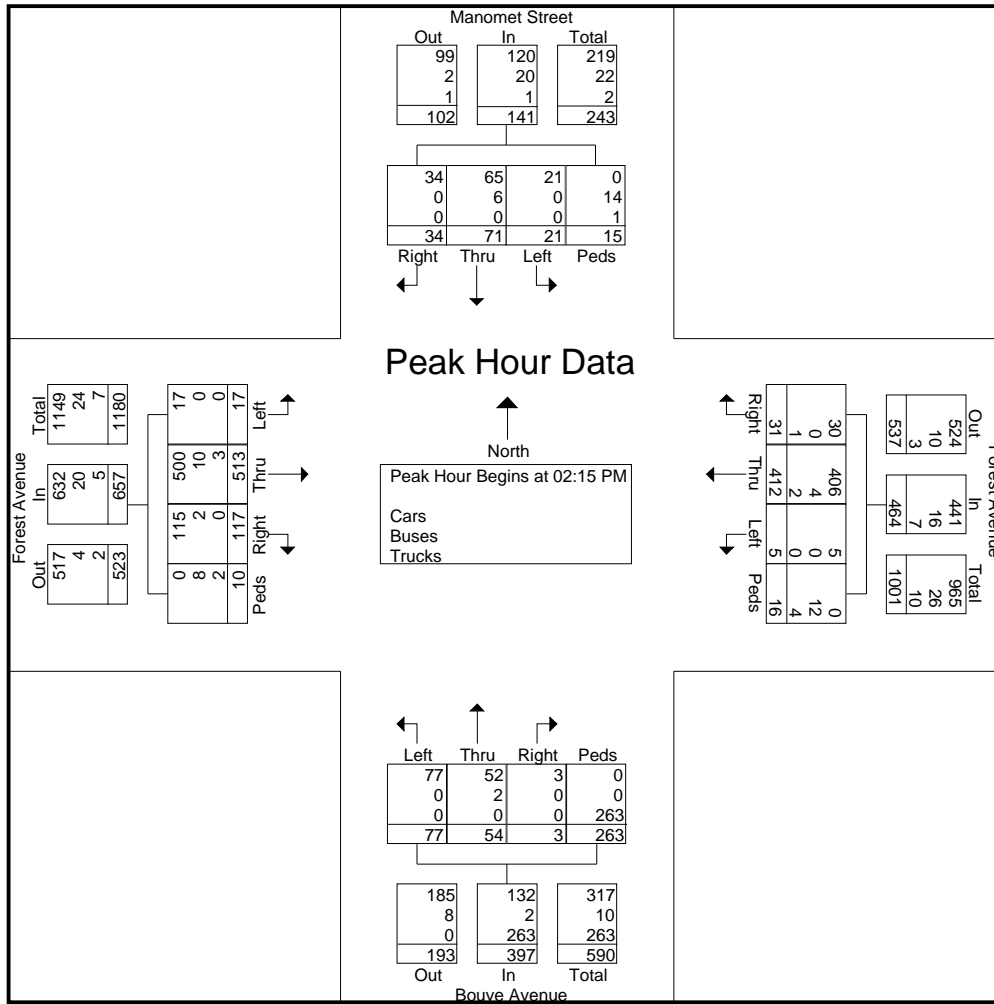


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 5



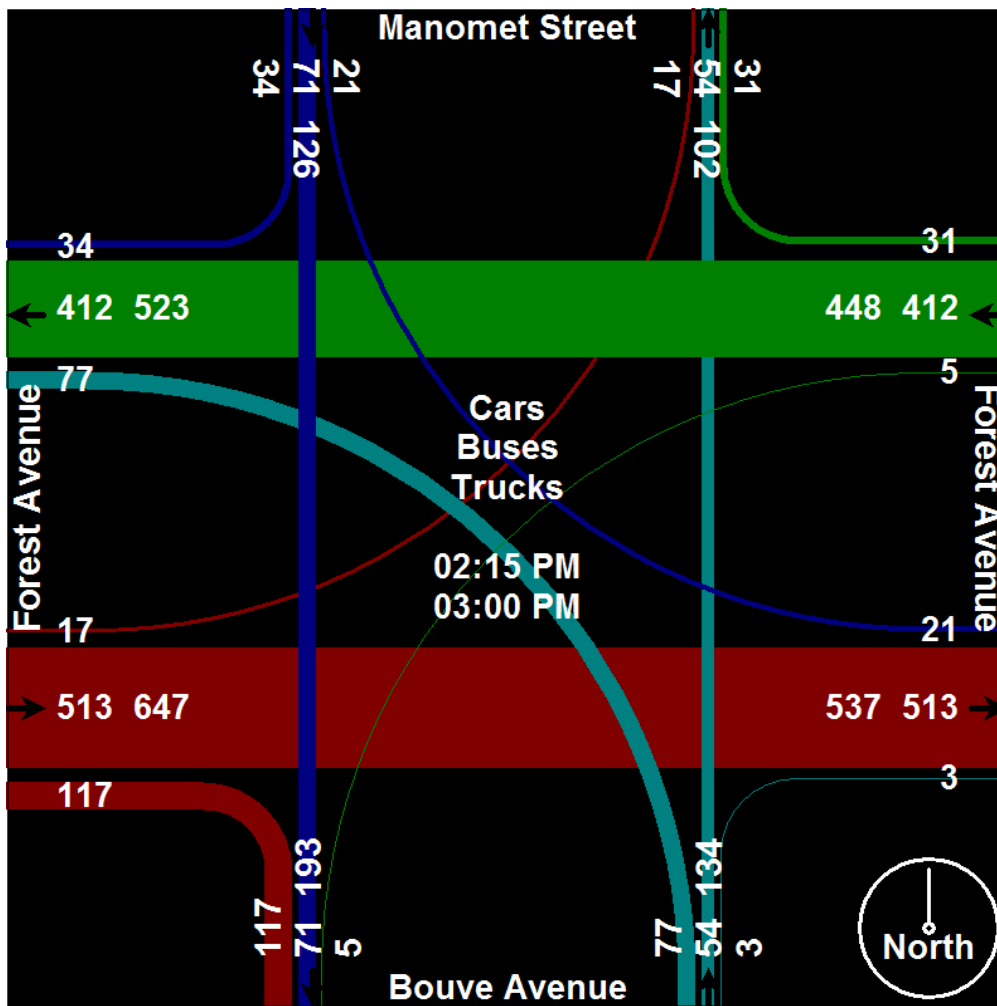


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[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
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File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
Site Code : 44  
Start Date : 9/26/2013  
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Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (4) / PC  
Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_PM  
Site Code : 44  
Start Date : 9/26/2013  
Page No : 7

Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton

Street: Forest Avenue

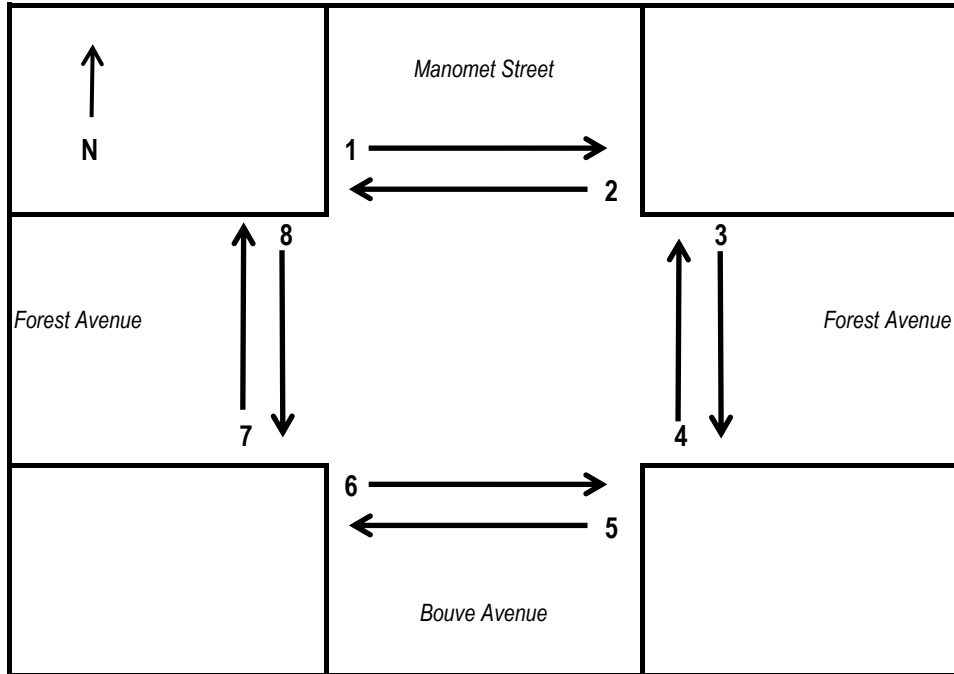
Location: @ Manomet Street / Bouve Avenue

Weather: Clear

Board #: DB-400 (5)

Staff: PC

Date: 9/26/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes								
2:00 PM - 2:15 PM	Bikes								
2:15 PM - 2:30 PM	Bikes							1	1
2:30 PM - 2:45 PM	Bikes					2	2		
2:45 PM - 3:00 PM	Bikes					1	1		
3:00 PM - 3:15 PM	Bikes								
3:15 PM - 3:30 PM	Bikes		1		1		1		
3:30 PM - 3:45 PM	Bikes					1	1		
3:45 PM - 4:00 PM	Bikes								
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes					1			
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes		1						
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes					1			
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>1</b>

Comments:

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# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
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[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Manomet Street Southbound					Forest Avenue Westbound					Bouve Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	7	16	3	1	27	8	69	3	1	81	2	16	12	0	30	26	107	4	11	148	286
07:15 AM	4	13	7	0	24	7	50	1	0	58	1	12	11	1	25	23	99	5	2	129	236
07:30 AM	6	16	2	0	24	6	70	3	0	79	1	16	23	0	40	22	71	2	0	95	238
07:45 AM	1	9	2	0	12	3	91	4	0	98	3	11	16	0	30	17	86	3	1	107	247
Total	18	54	14	1	87	24	280	11	1	316	7	55	62	1	125	88	363	14	14	479	1007
08:00 AM	3	11	6	0	20	5	90	0	0	95	2	12	24	0	38	19	52	4	0	75	228
08:15 AM	5	10	4	0	19	7	106	0	0	113	4	11	24	3	42	13	68	4	1	86	260
08:30 AM	7	8	5	1	21	4	75	2	0	81	2	15	22	0	39	11	55	2	0	68	209
08:45 AM	6	15	1	0	22	2	104	1	0	107	1	12	19	0	32	13	61	1	0	75	236
Total	21	44	16	1	82	18	375	3	0	396	9	50	89	3	151	56	236	11	1	304	933
Grand Total	39	98	30	2	169	42	655	14	1	712	16	105	151	4	276	144	599	25	15	783	1940
Apprch %	23.1	58	17.8	1.2		5.9	92	2	0.1		5.8	38	54.7	1.4		18.4	76.5	3.2	1.9		
Total %	2	5.1	1.5	0.1	8.7	2.2	33.8	0.7	0.1	36.7	0.8	5.4	7.8	0.2	14.2	7.4	30.9	1.3	0.8	40.4	
Cars	37	88	29	0	154	36	635	13	0	684	14	102	149	0	265	136	565	24	0	725	1828
% Cars	94.9	89.8	96.7	0	91.1	85.7	96.9	92.9	0	96.1	87.5	97.1	98.7	0	96	94.4	94.3	96	0	92.6	94.2
Buses	2	10	1	1	14	5	16	1	0	22	2	3	2	1	8	8	24	1	15	48	92
% Buses	5.1	10.2	3.3	50	8.3	11.9	2.4	7.1	0	3.1	12.5	2.9	1.3	25	2.9	5.6	4	4	100	6.1	4.7
Trucks	0	0	0	1	1	1	4	0	1	6	0	0	0	3	3	0	10	0	0	10	20
% Trucks	0	0	0	50	0.6	2.4	0.6	0	100	0.8	0	0	0	75	1.1	0	1.7	0	0	1.3	1

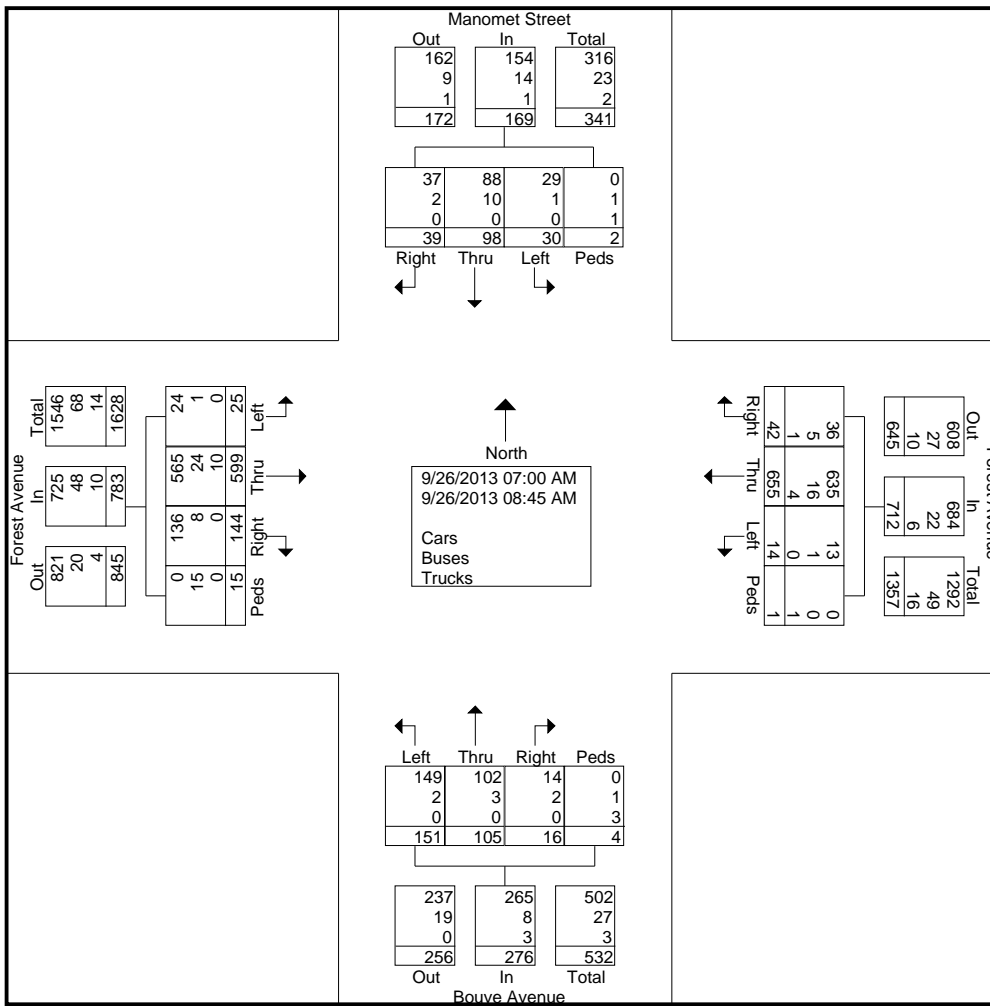


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 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 2



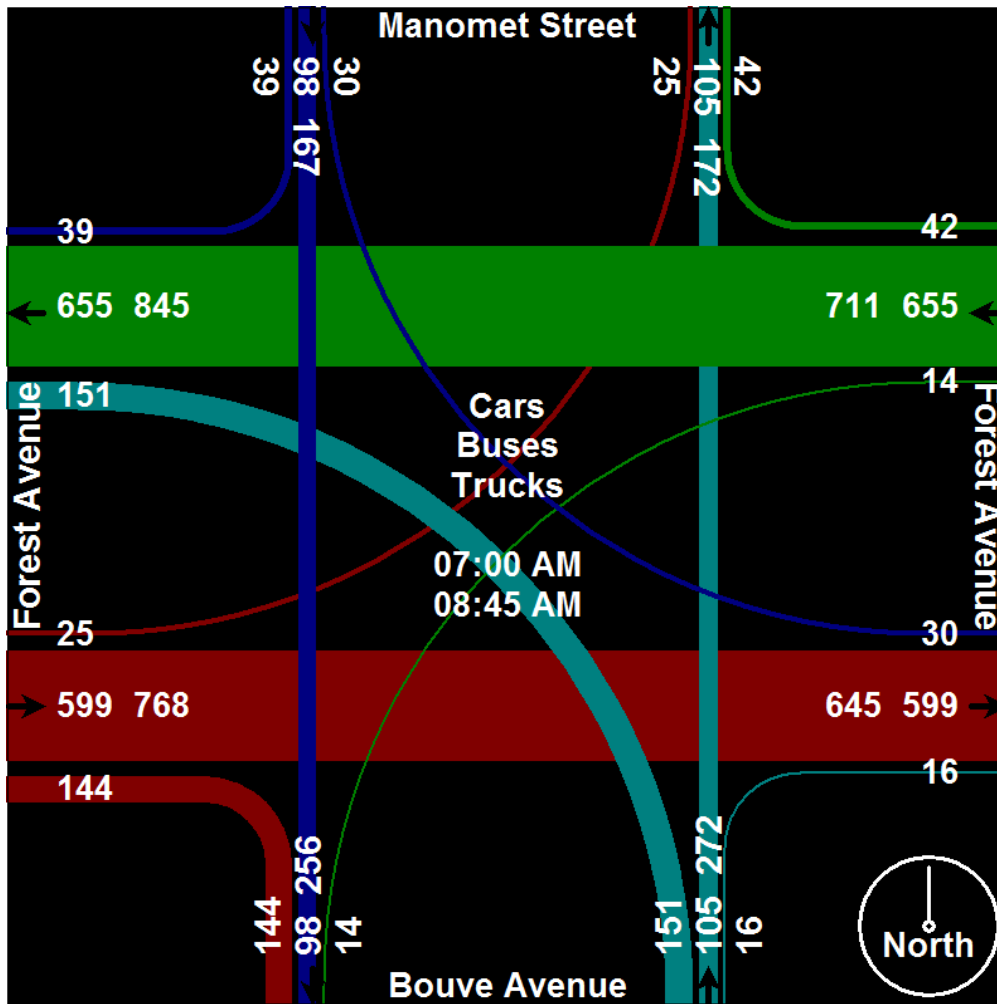


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Community: Brockton  
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 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 4

Start Time	Manomet Street Southbound					Forest Avenue Westbound					Bouve Avenue Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	7	16	3	1	27	8	69	3	1	81	2	16	12	0	30	26	107	4	11	148	286
07:15 AM	4	13	7	0	24	7	50	1	0	58	1	12	11	1	25	23	99	5	2	129	236
07:30 AM	6	16	2	0	24	6	70	3	0	79	1	16	23	0	40	22	71	2	0	95	238
07:45 AM	1	9	2	0	12	3	91	4	0	98	3	11	16	0	30	17	86	3	1	107	247
Total Volume	18	54	14	1	87	24	280	11	1	316	7	55	62	1	125	88	363	14	14	479	1007
% App. Total	20.7	62.1	16.1	1.1		7.6	88.6	3.5	0.3		5.6	44	49.6	0.8		18.4	75.8	2.9	2.9		
PHF	.643	.844	.500	.250	.806	.750	.769	.688	.250	.806	.583	.859	.674	.250	.781	.846	.848	.700	.318	.809	.880
Cars	17	50	14	0	81	20	271	10	0	301	7	54	61	0	122	80	337	14	0	431	935
% Cars	94.4	92.6	100	0	93.1	83.3	96.8	90.9	0	95.3	100	98.2	98.4	0	97.6	90.9	92.8	100	0	90.0	92.9
Buses	1	4	0	1	6	4	8	1	0	13	0	1	1	0	2	8	22	0	14	44	65
% Buses	5.6	7.4	0	100	6.9	16.7	2.9	9.1	0	4.1	0	1.8	1.6	0	1.6	9.1	6.1	0	100	9.2	6.5
Trucks	0	0	0	0	0	0	1	0	1	2	0	0	0	1	1	0	4	0	0	4	7
% Trucks	0	0	0	0	0	0	0.4	0	100	0.6	0	0	0	100	0.8	0	1.1	0	0	0.8	0.7

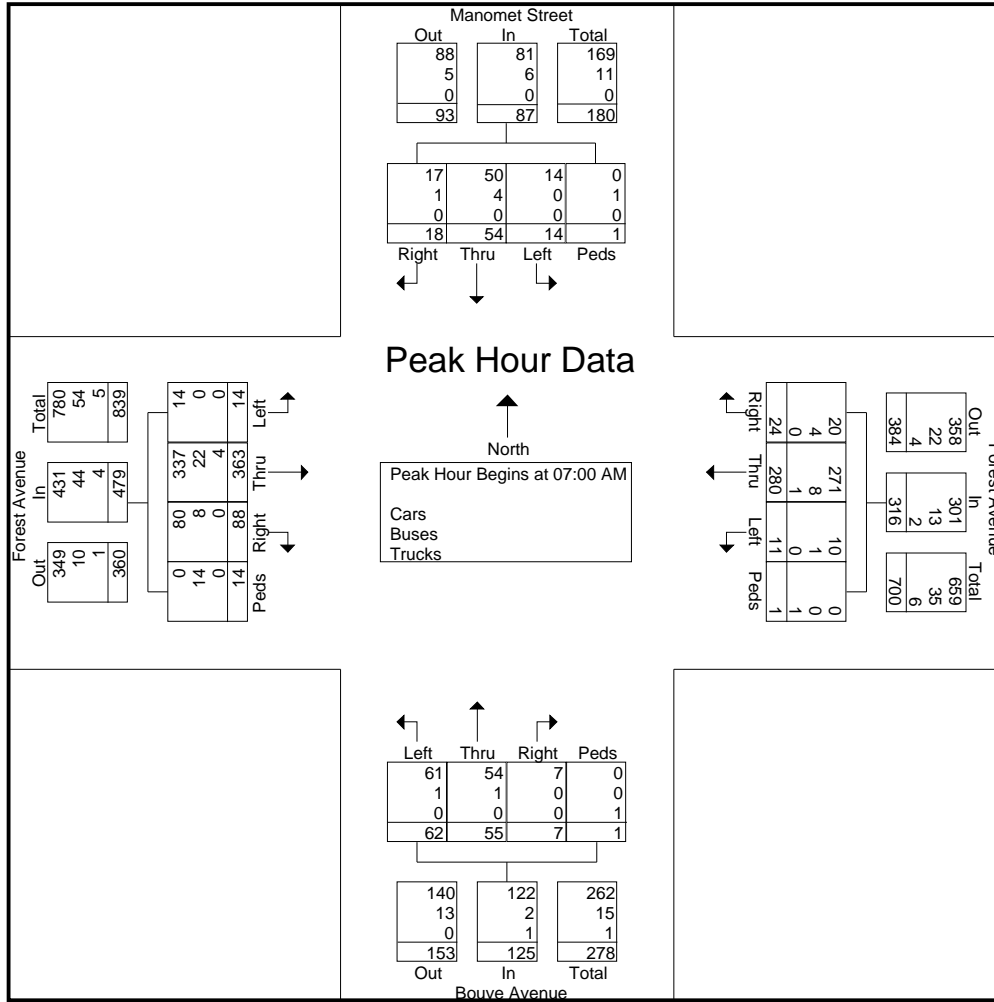


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Bouve Ave.\_Manomet Street\_AM  
 Site Code : 44  
 Start Date : 9/26/2013  
 Page No : 5



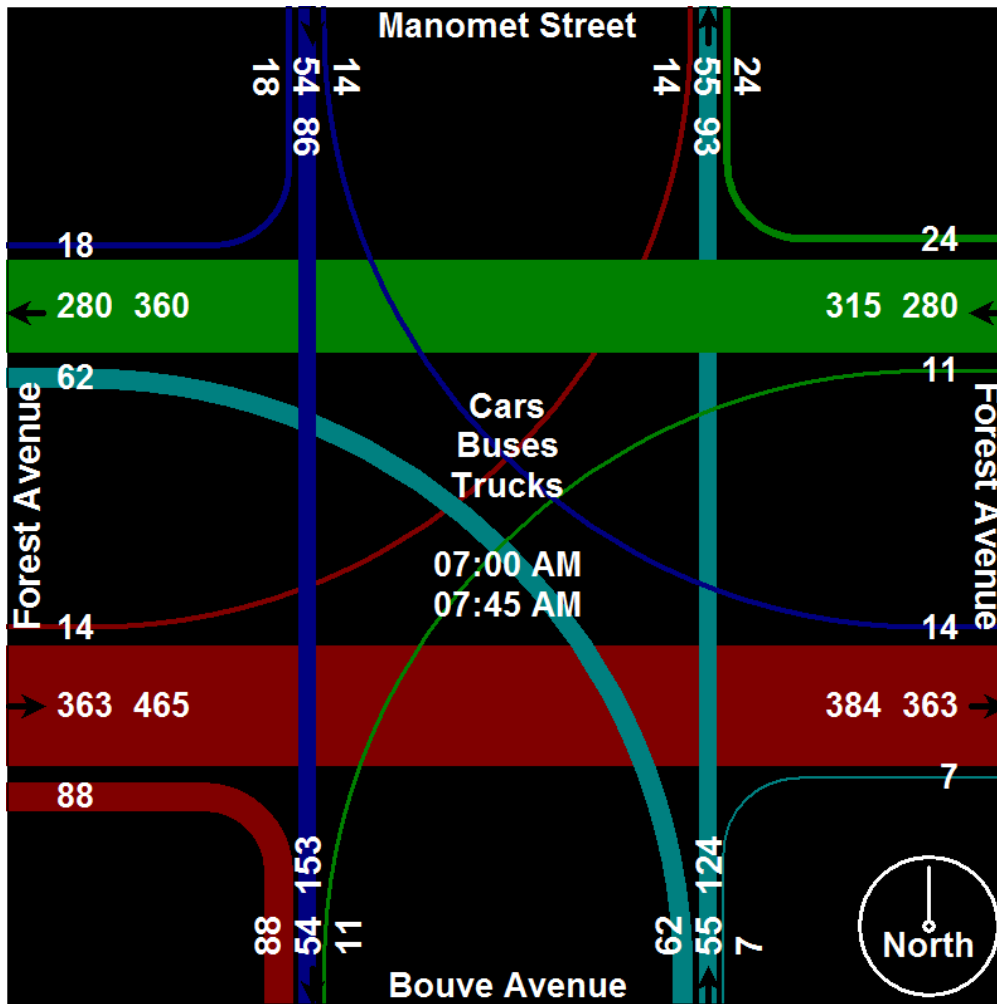


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Site Code : 44  
Start Date : 9/26/2013  
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Image 1





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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_PM  
 Site Code : 44  
 Start Date : 10/1/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Ash Street Southbound					Forest Avenue Westbound					Ash Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	4	25	5	0	34	8	119	5	0	132	5	21	10	1	37	5	105	9	1	120	323
01:45 PM	12	18	7	2	39	8	135	7	0	150	11	29	22	1	63	4	106	5	1	116	368
Total	16	43	12	2	73	16	254	12	0	282	16	50	32	2	100	9	211	14	2	236	691
02:00 PM	8	17	7	1	33	10	102	8	6	126	7	22	12	58	99	4	139	13	3	159	417
02:15 PM	6	20	13	4	43	4	140	8	1	153	4	30	8	178	220	6	143	10	3	162	578
02:30 PM	6	22	8	0	36	6	122	14	0	142	6	25	15	14	60	12	146	10	7	175	413
02:45 PM	7	25	9	6	47	6	116	11	0	133	11	23	8	11	53	3	148	5	2	158	391
Total	27	84	37	11	159	26	480	41	7	554	28	100	43	261	432	25	576	38	15	654	1799
03:00 PM	5	35	8	4	52	3	107	14	5	129	9	41	6	21	77	5	131	6	1	143	401
03:15 PM	9	33	8	0	50	8	107	18	0	133	13	27	18	18	76	7	132	10	13	162	421
03:30 PM	8	39	10	0	57	8	116	9	3	136	8	35	11	18	72	10	150	11	1	172	437
03:45 PM	5	41	13	0	59	5	137	9	0	151	11	28	13	3	55	5	136	15	2	158	423
Total	27	148	39	4	218	24	467	50	8	549	41	131	48	60	280	27	549	42	17	635	1682
04:00 PM	4	30	8	1	43	14	120	9	0	143	11	36	15	1	63	7	148	7	1	163	412
04:15 PM	7	29	15	1	52	10	136	10	1	157	10	26	13	2	51	3	163	5	0	171	431
04:30 PM	8	29	15	0	52	14	132	10	0	156	14	36	17	1	68	4	160	9	1	174	450
04:45 PM	10	30	10	0	50	5	109	8	0	122	11	25	13	5	54	9	156	11	0	176	402
Total	29	118	48	2	197	43	497	37	1	578	46	123	58	9	236	23	627	32	2	684	1695
05:00 PM	6	38	6	0	50	8	130	13	1	152	11	37	8	4	60	5	143	10	0	158	420
05:15 PM	11	35	15	0	61	9	112	11	0	132	15	35	11	0	61	7	149	9	0	165	419
05:30 PM	5	32	15	1	53	5	126	7	0	138	10	33	13	1	57	3	125	10	0	138	386
05:45 PM	6	27	6	1	40	4	106	6	0	116	12	33	17	0	62	11	154	12	0	177	395
Total	28	132	42	2	204	26	474	37	1	538	48	138	49	5	240	26	571	41	0	638	1620
Grand Total	127	525	178	21	851	135	2172	177	17	2501	179	542	230	337	1288	110	2534	167	36	2847	7487
Apprch %	14.9	61.7	20.9	2.5		5.4	86.8	7.1	0.7		13.9	42.1	17.9	26.2		3.9	89	5.9	1.3		
Total %	1.7	7	2.4	0.3	11.4	1.8	29	2.4	0.2	33.4	2.4	7.2	3.1	4.5	17.2	1.5	33.8	2.2	0.5	38	
Cars	127	511	176	0	814	134	2124	172	0	2430	175	531	211	0	917	107	2477	163	0	2747	6908
% Cars	100	97.3	98.9	0	95.7	99.3	97.8	97.2	0	97.2	97.8	98	91.7	0	71.2	97.3	97.8	97.6	0	96.5	92.3
Buses	0	12	2	10	24	1	45	5	16	67	4	10	19	2	35	3	48	3	35	89	215
% Buses	0	2.3	1.1	47.6	2.8	0.7	2.1	2.8	94.1	2.7	2.2	1.8	8.3	0.6	2.7	2.7	1.9	1.8	97.2	3.1	2.9
Trucks	0	2	0	11	13	0	3	0	1	4	0	1	0	335	336	0	9	1	1	11	364
% Trucks	0	0.4	0	52.4	1.5	0	0.1	0	5.9	0.2	0	0.2	0	99.4	26.1	0	0.4	0.6	2.8	0.4	4.9



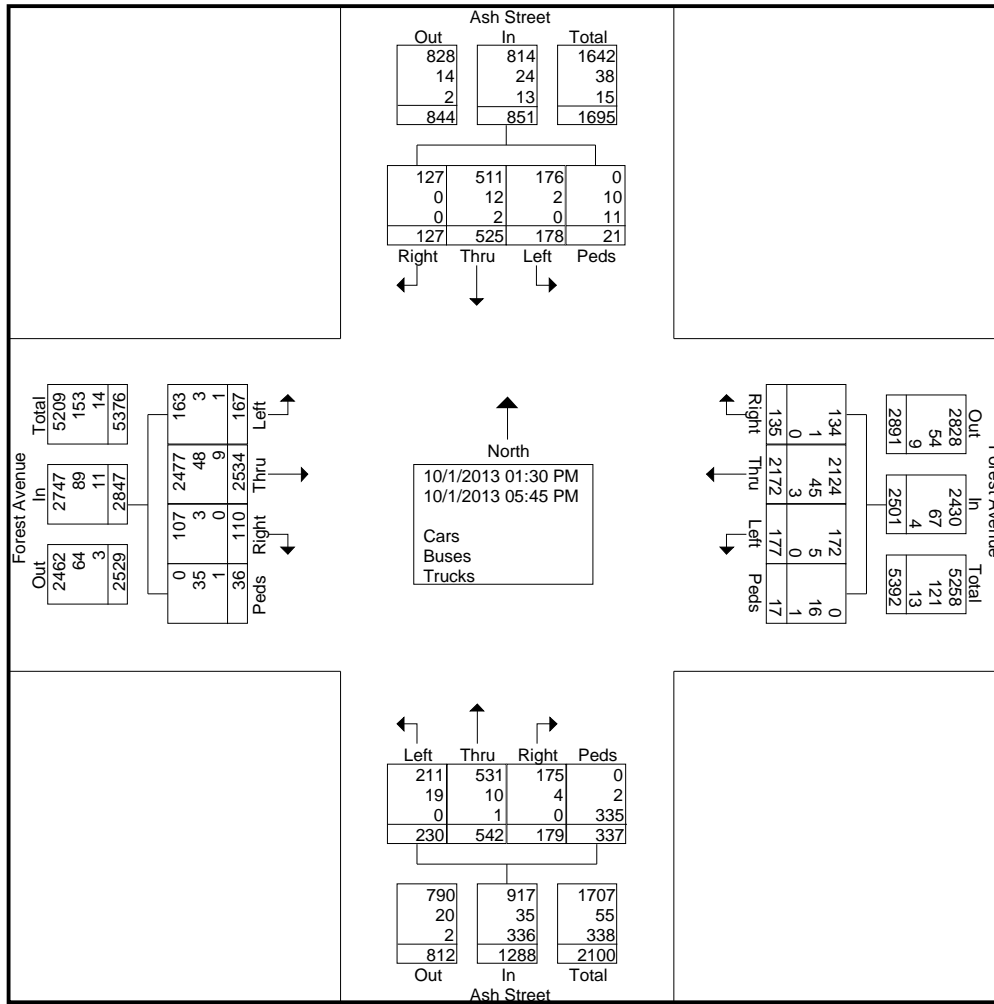


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 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_PM  
 Site Code : 44  
 Start Date : 10/1/2013  
 Page No : 2



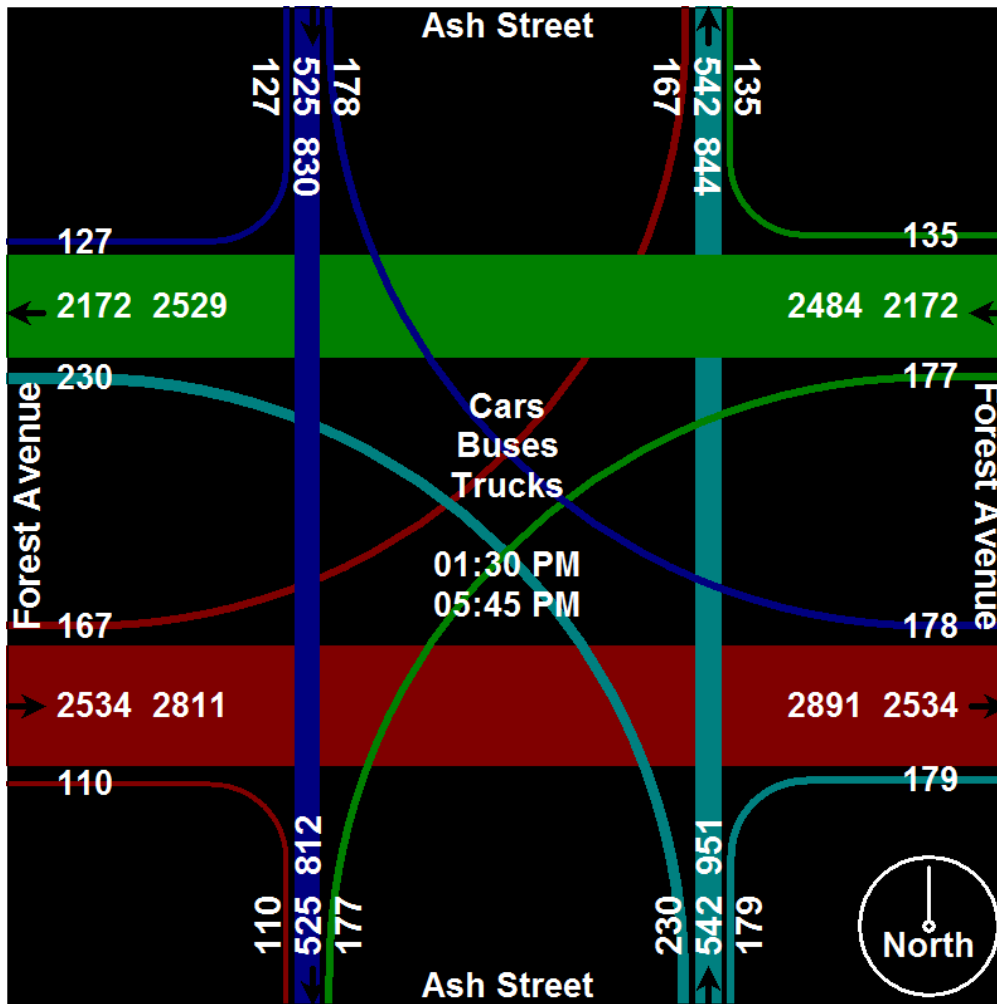


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 Page No : 4

Start Time	Ash Street Southbound					Forest Avenue Westbound					Ash Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 02:00 PM																					
02:00 PM	8	17	7	1	33	10	102	8	6	126	7	22	12	58	99	4	139	13	3	159	417
02:15 PM	6	20	13	4	43	4	140	8	1	153	4	30	8	178	220	6	143	10	3	162	578
02:30 PM	6	22	8	0	36	6	122	14	0	142	6	25	15	14	60	12	146	10	7	175	413
02:45 PM	7	25	9	6	47	6	116	11	0	133	11	23	8	11	53	3	148	5	2	158	391
Total Volume	27	84	37	11	159	26	480	41	7	554	28	100	43	261	432	25	576	38	15	654	1799
% App. Total	17	52.8	23.3	6.9		4.7	86.6	7.4	1.3		6.5	23.1	10	60.4		3.8	88.1	5.8	2.3		
PHF	.844	.840	.712	.458	.846	.650	.857	.732	.292	.905	.636	.833	.717	.367	.491	.521	.973	.731	.536	.934	.778
Cars	27	84	37	0	148	25	477	39	0	541	26	96	42	0	164	24	544	37	0	605	1458
% Cars	100	100	100	0	93.1	96.2	99.4	95.1	0	97.7	92.9	96.0	97.7	0	38.0	96.0	94.4	97.4	0	92.5	81.0
Buses	0	0	0	5	5	1	2	2	7	12	2	4	1	2	9	1	27	1	15	44	70
% Buses	0	0	0	45.5	3.1	3.8	0.4	4.9	100	2.2	7.1	4.0	2.3	0.8	2.1	4.0	4.7	2.6	100	6.7	3.9
Trucks	0	0	0	6	6	0	1	0	0	1	0	0	0	259	259	0	5	0	0	5	271
% Trucks	0	0	0	54.5	3.8	0	0.2	0	0	0.2	0	0	0	99.2	60.0	0	0.9	0	0	0.8	15.1



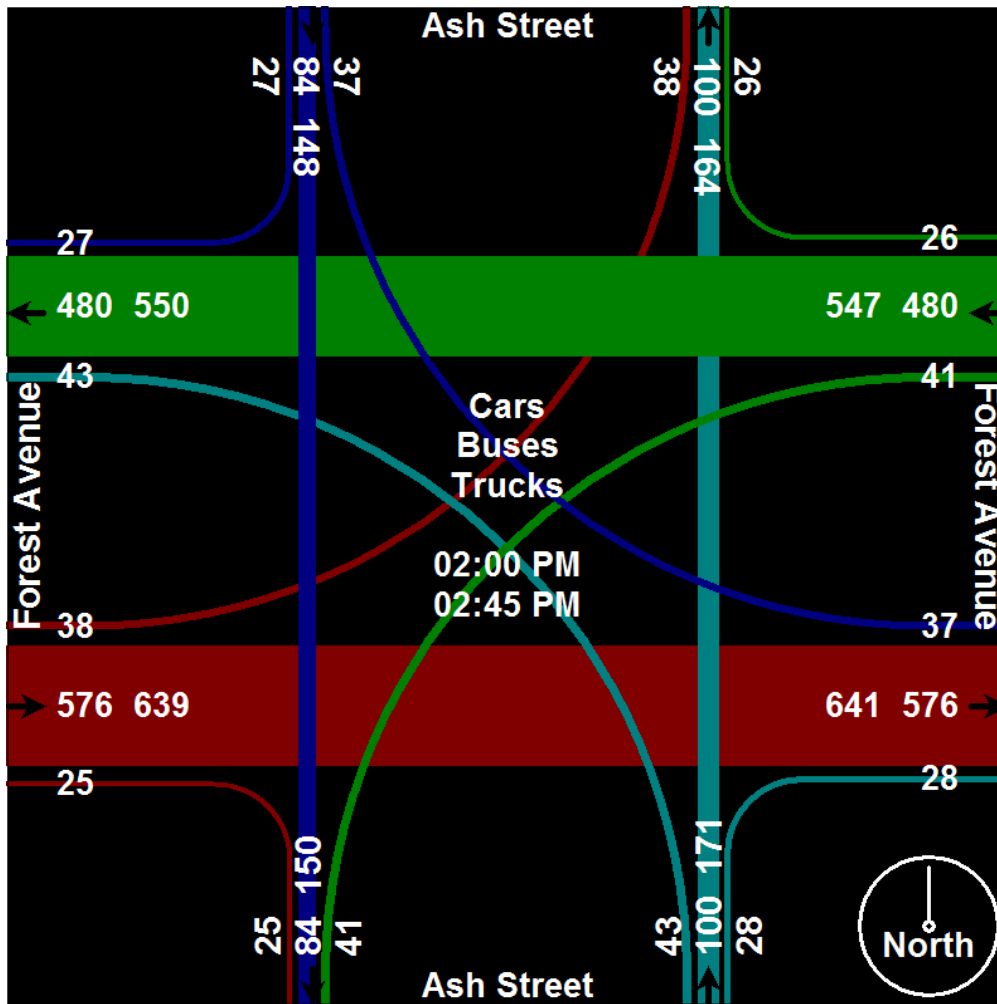


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Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_PM  
Site Code : 44  
Start Date : 10/1/2013  
Page No : 6





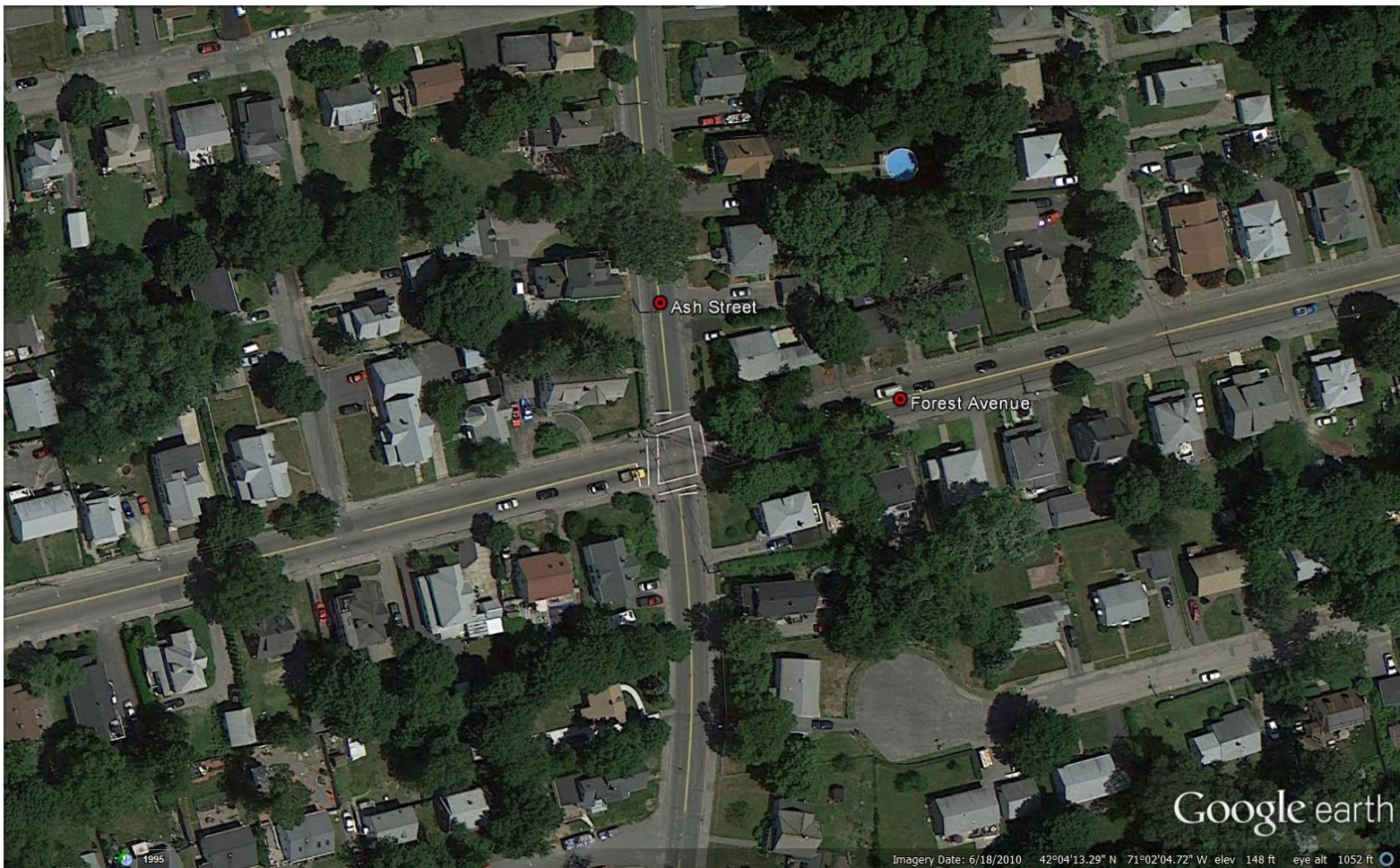
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File Name : Forest Ave. @ Ash Street\_PM  
Site Code : 44  
Start Date : 10/1/2013  
Page No : 7

Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton

Street: Forest Avenue

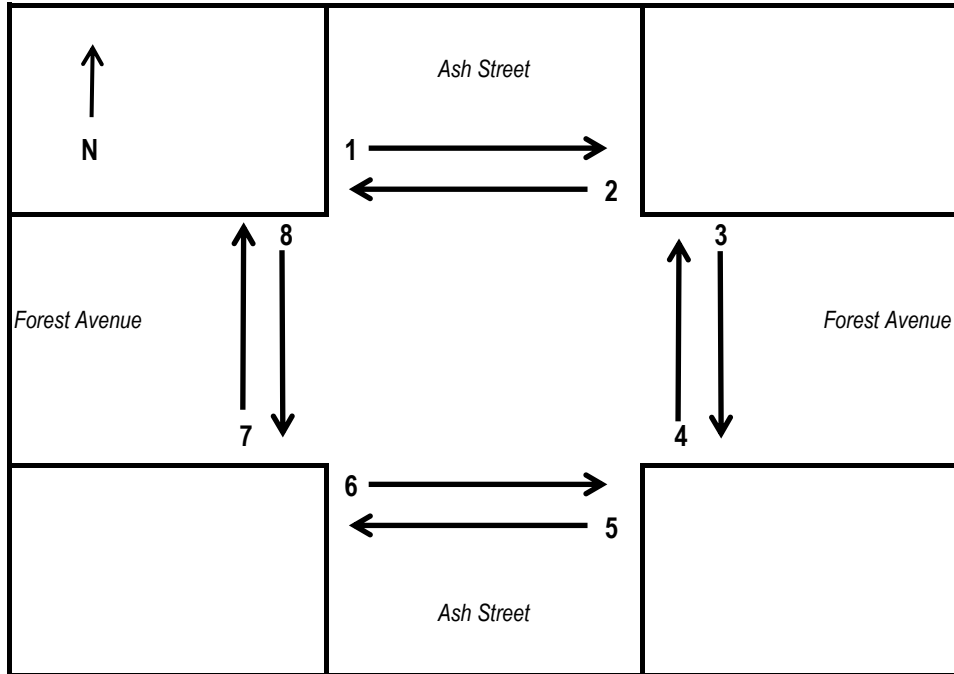
Location: @ Ash Street

Weather: Clear

Board #: DB-400 (5)

Staff: PC

Date: 10/1/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes						1		
1:45 PM - 2:00 PM	Bikes	1				1	1		
2:00 PM - 2:15 PM	Bikes						1		
2:15 PM - 2:30 PM	Bikes						1	1	
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes						1		
3:00 PM - 3:15 PM	Bikes		1		1				
3:15 PM - 3:30 PM	Bikes								
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes								
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes		1						
4:30 PM - 4:45 PM	Bikes					1			
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes					1			
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes						1		
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>0</b>

Comments:

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Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Ash Street Southbound					Forest Avenue Westbound					Ash Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	8	22	6	5	41	10	60	8	2	80	14	33	3	0	50	7	89	17	23	136	307
07:15 AM	8	14	6	7	35	4	44	6	1	55	16	38	12	4	70	2	90	15	3	110	270
07:30 AM	2	22	8	1	33	2	88	10	0	100	19	35	12	0	66	3	58	1	1	63	262
07:45 AM	4	23	6	0	33	7	70	10	1	88	20	41	7	0	68	1	64	3	0	68	257
Total	22	81	26	13	142	23	262	34	4	323	69	147	34	4	254	13	301	36	27	377	1096
08:00 AM	7	18	6	0	31	2	93	13	0	108	11	31	12	0	54	3	61	4	1	69	262
08:15 AM	4	16	2	1	23	7	102	21	0	130	7	31	15	0	53	3	64	0	2	69	275
08:30 AM	7	32	2	0	41	6	78	14	0	98	9	24	15	0	48	4	49	4	1	58	245
08:45 AM	6	34	5	0	45	4	68	18	0	90	16	35	12	0	63	1	78	3	0	82	280
Total	24	100	15	1	140	19	341	66	0	426	43	121	54	0	218	11	252	11	4	278	1062
Grand Total	46	181	41	14	282	42	603	100	4	749	112	268	88	4	472	24	553	47	31	655	2158
Apprch %	16.3	64.2	14.5	5		5.6	80.5	13.4	0.5		23.7	56.8	18.6	0.8		3.7	84.4	7.2	4.7		
Total %	2.1	8.4	1.9	0.6	13.1	1.9	27.9	4.6	0.2	34.7	5.2	12.4	4.1	0.2	21.9	1.1	25.6	2.2	1.4	30.4	
Cars	46	173	39	0	258	39	591	95	0	725	106	260	84	0	450	23	523	45	0	591	2024
% Cars	100	95.6	95.1	0	91.5	92.9	98	95	0	96.8	94.6	97	95.5	0	95.3	95.8	94.6	95.7	0	90.2	93.8
Buses	0	6	2	9	17	3	8	5	4	20	5	7	3	0	15	0	25	2	25	52	104
% Buses	0	3.3	4.9	64.3	6	7.1	1.3	5	100	2.7	4.5	2.6	3.4	0	3.2	0	4.5	4.3	80.6	7.9	4.8
Trucks	0	2	0	5	7	0	4	0	0	4	1	1	1	4	7	1	5	0	6	12	30
% Trucks	0	1.1	0	35.7	2.5	0	0.7	0	0	0.5	0.9	0.4	1.1	100	1.5	4.2	0.9	0	19.4	1.8	1.4



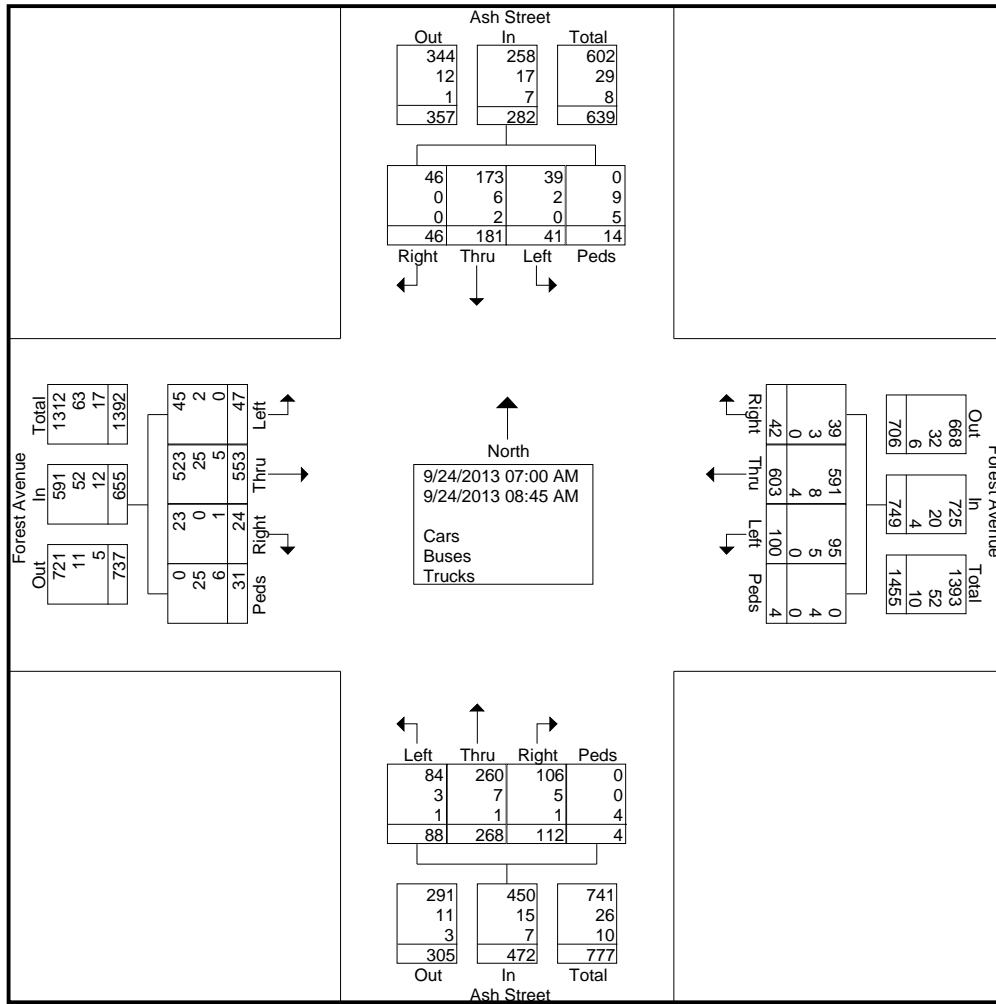


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File Name : Forest Ave. @ Ash Street\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 2



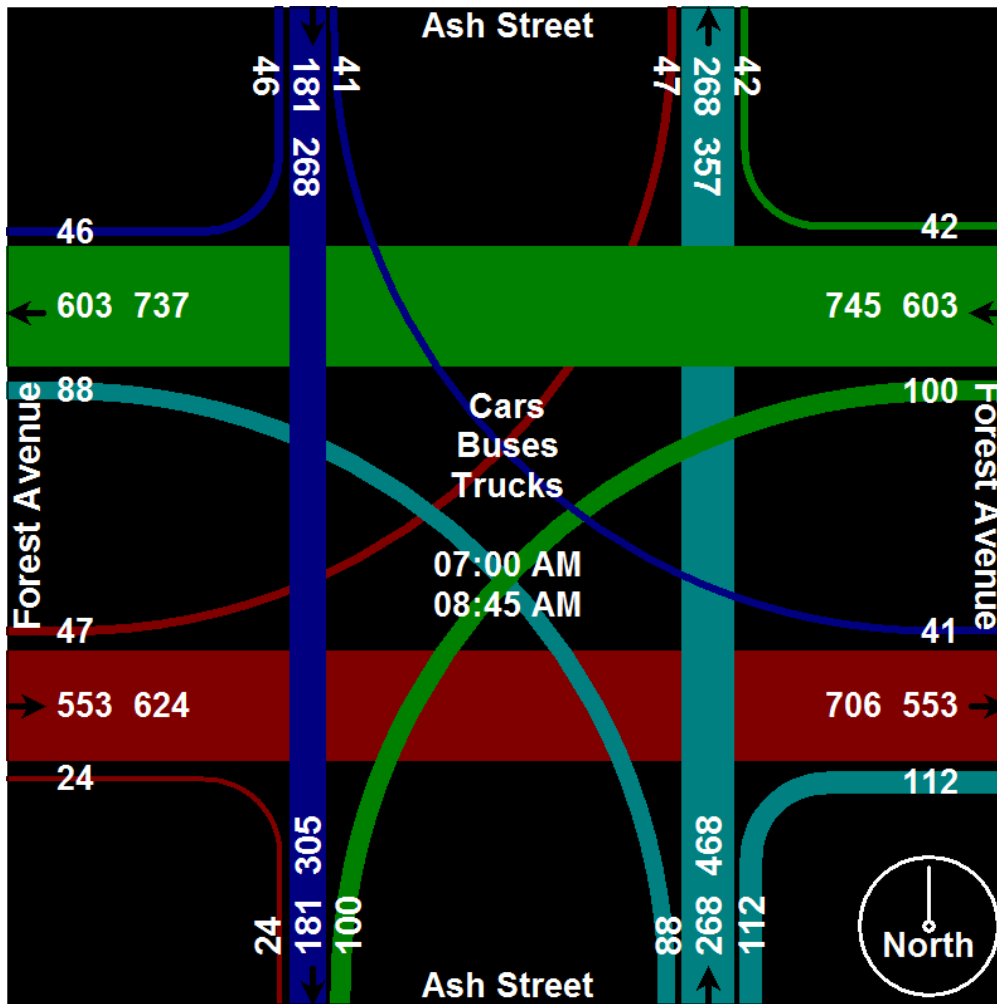


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Start Time	Ash Street Southbound					Forest Avenue Westbound					Ash Street Northbound					Forest Avenue Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	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	8	22	6	5	41	10	60	8	2	80	14	33	3	0	50	7	89	17	23	136	307
07:15 AM	8	14	6	7	35	4	44	6	1	55	16	38	12	4	70	2	90	15	3	110	270
07:30 AM	2	22	8	1	33	2	88	10	0	100	19	35	12	0	66	3	58	1	1	63	262
07:45 AM	4	23	6	0	33	7	70	10	1	88	20	41	7	0	68	1	64	3	0	68	257
Total Volume	22	81	26	13	142	23	262	34	4	323	69	147	34	4	254	13	301	36	27	377	1096
% App. Total	15.5	57	18.3	9.2		7.1	81.1	10.5	1.2		27.2	57.9	13.4	1.6		3.4	79.8	9.5	7.2		
PHF	.688	.880	.813	.464	.866	.575	.744	.850	.500	.808	.863	.896	.708	.250	.907	.464	.836	.529	.293	.693	.893
Cars	22	80	25	0	127	20	258	30	0	308	65	144	31	0	240	13	281	34	0	328	1003
% Cars	100	98.8	96.2	0	89.4	87.0	98.5	88.2	0	95.4	94.2	98.0	91.2	0	94.5	100	93.4	94.4	0	87.0	91.5
Buses	0	0	1	9	10	3	3	4	4	14	3	2	2	0	7	0	20	2	22	44	75
% Buses	0	0	3.8	69.2	7.0	13.0	1.1	11.8	100	4.3	4.3	1.4	5.9	0	2.8	0	6.6	5.6	81.5	11.7	6.8
Trucks	0	1	0	4	5	0	1	0	0	1	1	1	1	4	7	0	0	0	5	5	18
% Trucks	0	1.2	0	30.8	3.5	0	0.4	0	0	0.3	1.4	0.7	2.9	100	2.8	0	0	0	18.5	1.3	1.6

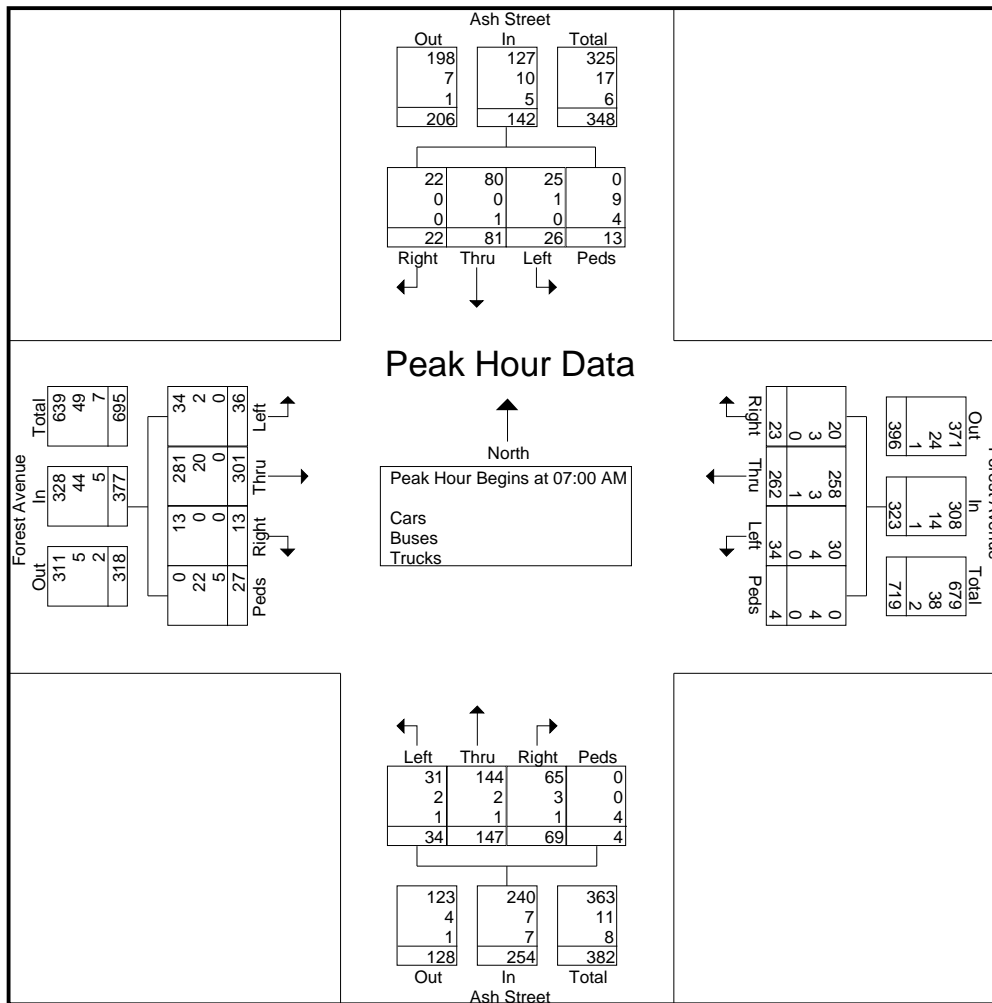


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / PC  
 Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 5



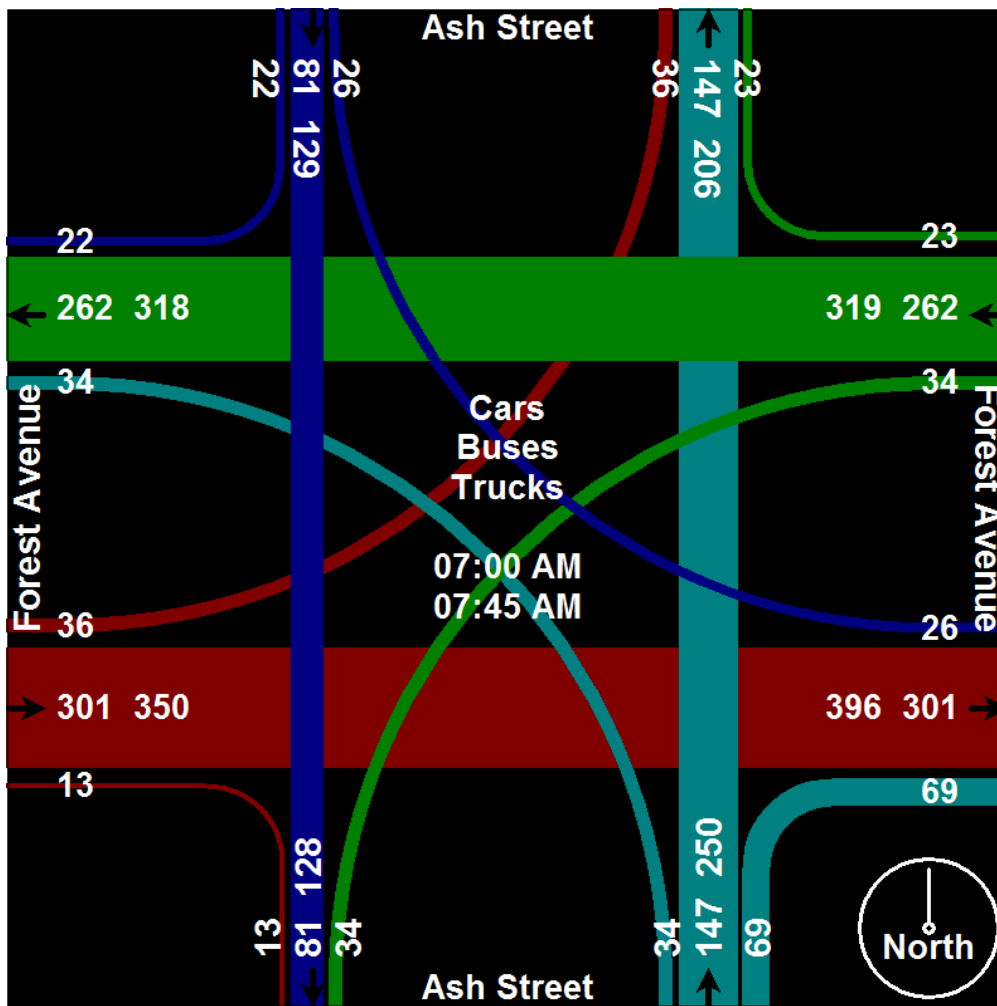


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
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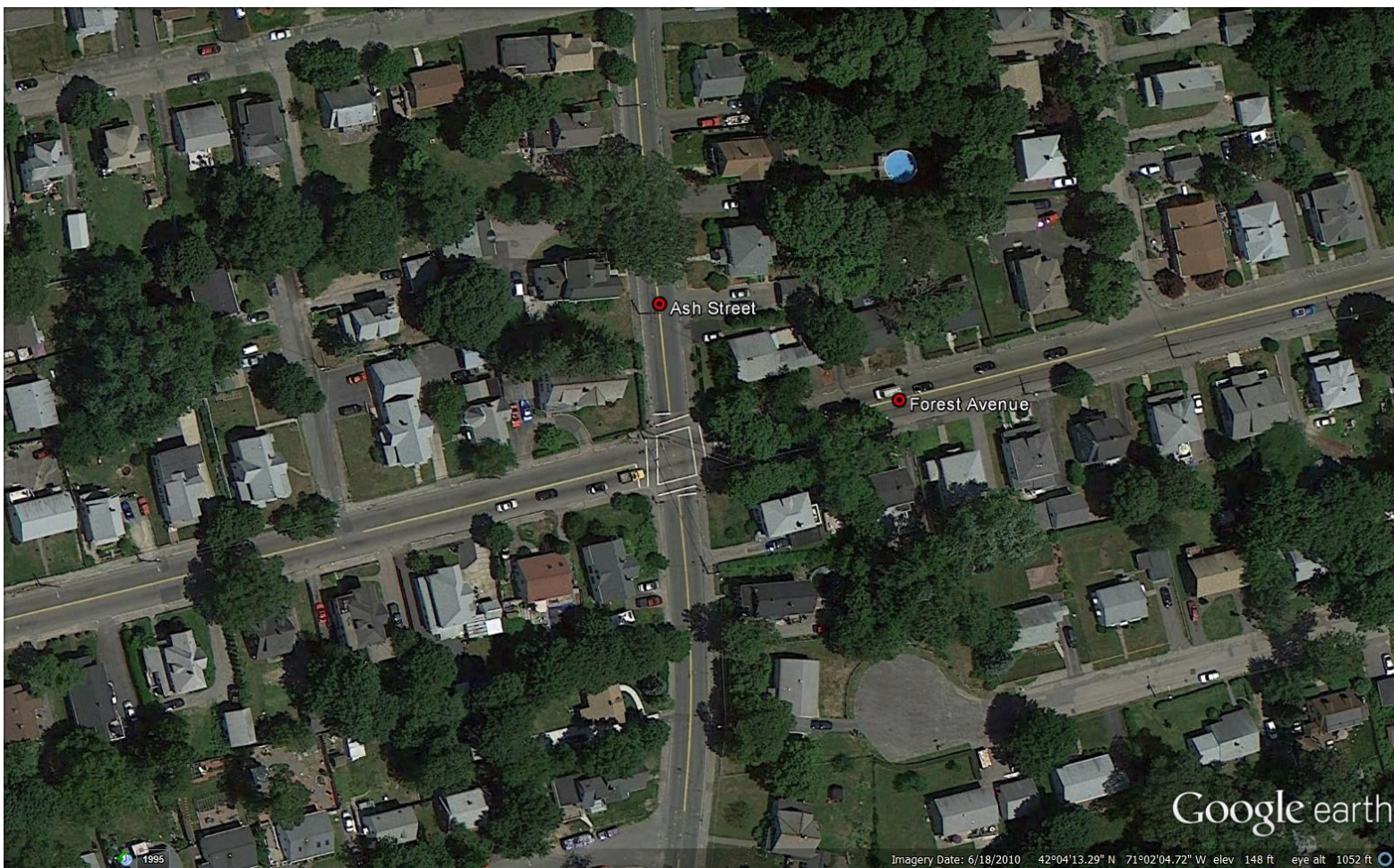
# Old Colony Planning Council

70 School Street  
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Board # & Staff: DB-400 (4) / PC  
Traffic Control: Traffic Light

File Name : Forest Ave. @ Ash Street\_AM  
Site Code : 44  
Start Date : 9/24/2013  
Page No : 7

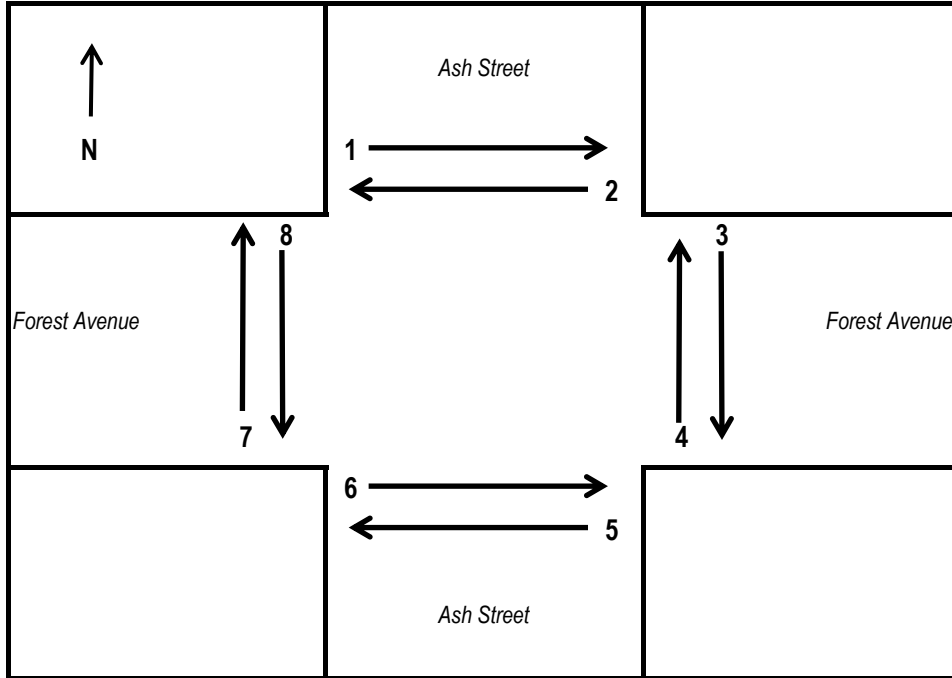
Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

**Community:** Brockton  
**Street:** Forest Avenue  
**Location:** @ Ash Street  
**Weather:** Clear      **Board #:** DB-400 (4)      **Staff:** PC      **Date:** 9/24/2013



Interval		1	2	3	4	5	6	7	8
7:00 AM - 7:15 AM	Bikes								
7:15 AM - 7:30 AM	Bikes								
7:30 AM - 7:45 AM	Bikes		3						
7:45 AM - 8:00 AM	Bikes								
8:00 AM - 8:15 AM	Bikes								
8:15 AM - 8:30 AM	Bikes						2		
8:30 AM - 8:45 AM	Bikes								
8:45 AM - 9:00 AM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133488 CC  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	9	31	12	0	9	114	4	0	0	24	2	0	9	137	6	0	357
01:45 PM	13	36	7	0	8	140	5	0	4	27	8	0	3	148	7	0	406
Total	22	67	19	0	17	254	9	0	4	51	10	0	12	285	13	0	763
02:00 PM	14	22	12	0	12	119	6	0	6	32	11	0	2	152	6	0	394
02:15 PM	17	28	13	0	9	114	8	0	7	34	11	0	4	151	12	0	408
02:30 PM	13	32	12	0	14	115	7	0	1	20	8	0	5	167	7	0	401
02:45 PM	14	20	5	0	6	125	7	0	4	29	7	0	4	121	6	0	348
Total	58	102	42	0	41	473	28	0	18	115	37	0	15	591	31	0	1551
03:00 PM	15	46	7	0	11	128	7	0	0	32	12	0	9	126	5	0	398
03:15 PM	17	33	4	0	8	148	7	0	3	17	7	0	1	140	6	0	391
03:30 PM	19	40	5	0	12	185	6	0	4	24	13	0	2	169	6	0	485
03:45 PM	13	41	6	0	5	144	5	0	3	31	10	0	0	135	3	0	396
Total	64	160	22	0	36	605	25	0	10	104	42	0	12	570	20	0	1670
04:00 PM	5	37	10	0	4	132	7	0	4	29	4	0	9	151	8	0	400
04:15 PM	10	39	5	0	15	142	7	0	3	21	9	0	8	161	3	0	423
04:30 PM	21	43	10	0	10	150	13	0	6	40	7	0	6	155	7	0	468
04:45 PM	19	45	13	0	6	141	8	0	5	38	5	0	4	143	8	0	435
Total	55	164	38	0	35	565	35	0	18	128	25	0	27	610	26	0	1726
05:00 PM	13	52	12	0	14	167	11	0	2	39	10	0	4	166	7	0	497
05:15 PM	18	38	12	0	10	144	8	0	0	33	9	0	3	136	11	0	422
05:30 PM	14	37	11	0	10	133	8	0	4	26	11	0	2	133	5	0	394
05:45 PM	13	52	4	0	10	108	11	0	2	31	8	0	7	145	6	0	397
Total	58	179	39	0	44	552	38	0	8	129	38	0	16	580	29	0	1710
Grand Total	257	672	160	0	173	2449	135	0	58	527	152	0	82	2636	119	0	7420
Apprch %	23.6	61.7	14.7	0	6.3	88.8	4.9	0	7.9	71.5	20.6	0	2.9	92.9	4.2	0	
Total %	3.5	9.1	2.2	0	2.3	33	1.8	0	0.8	7.1	2	0	1.1	35.5	1.6	0	
Cars	251	660	159	0	172	2378	133	0	55	517	150	0	77	2540	107	0	7199
% Cars	97.7	98.2	99.4	0	99.4	97.1	98.5	0	94.8	98.1	98.7	0	93.9	96.4	89.9	0	97
Heavy Vehicles	6	12	1	0	1	71	2	0	3	10	2	0	5	96	12	0	221
% Heavy Vehicles	2.3	1.8	0.6	0	0.6	2.9	1.5	0	5.2	1.9	1.3	0	6.1	3.6	10.1	0	3

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	13	36	7	0	56	8	140	5	0	153	4	27	8	0	39	3	148	7	0	158	406
02:00 PM	14	22	12	0	48	12	119	6	0	137	6	32	11	0	49	2	152	6	0	160	394
02:15 PM	17	28	13	0	58	9	114	8	0	131	7	34	11	0	52	4	151	12	0	167	408
02:30 PM	13	32	12	0	57	14	115	7	0	136	1	20	8	0	29	5	167	7	0	179	401
Total Volume	57	118	44	0	219	43	488	26	0	557	18	113	38	0	169	14	618	32	0	664	1609
% App. Total	26	53.9	20.1	0		7.7	87.6	4.7	0		10.7	66.9	22.5	0		2.1	93.1	4.8	0		
PHF	.838	.819	.846	.000	.944	.768	.871	.813	.000	.910	.643	.831	.864	.000	.813	.700	.925	.667	.000	.927	.986
Cars	54	118	43	0	215	42	466	25	0	533	17	111	38	0	166	13	574	28	0	615	1529
% Cars	94.7	100	97.7	0	98.2	97.7	95.5	96.2	0	95.7	94.4	98.2	100	0	98.2	92.9	92.9	87.5	0	92.6	95.0
Heavy Vehicles	3	0	1	0	4	1	22	1	0	24	1	2	0	0	3	1	44	4	0	49	80
% Heavy Vehicles	5.3	0	2.3	0	1.8	2.3	4.5	3.8	0	4.3	5.6	1.8	0	0	1.8	7.1	7.1	12.5	0	7.4	5.0





PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 CC  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	9	31	12	0	9	113	4	0	0	24	2	0	8	134	6	0	352
01:45 PM	11	36	7	0	8	134	5	0	4	27	8	0	3	133	6	0	382
Total	20	67	19	0	17	247	9	0	4	51	10	0	11	267	12	0	734
02:00 PM	14	22	12	0	12	112	6	0	6	31	11	0	2	136	5	0	369
02:15 PM	17	28	12	0	9	106	7	0	6	34	11	0	4	142	11	0	387
02:30 PM	12	32	12	0	13	114	7	0	1	19	8	0	4	163	6	0	391
02:45 PM	13	20	5	0	6	119	7	0	3	27	7	0	4	112	5	0	328
Total	56	102	41	0	40	451	27	0	16	111	37	0	14	553	27	0	1475
03:00 PM	15	44	7	0	11	126	6	0	0	31	12	0	9	119	4	0	384
03:15 PM	17	32	4	0	8	145	7	0	3	16	7	0	1	136	6	0	382
03:30 PM	19	37	5	0	12	180	6	0	4	24	12	0	2	166	5	0	472
03:45 PM	13	40	6	0	5	135	5	0	2	31	10	0	0	132	3	0	382
Total	64	153	22	0	36	586	24	0	9	102	41	0	12	553	18	0	1620
04:00 PM	5	35	10	0	4	126	7	0	4	29	4	0	9	147	7	0	387
04:15 PM	10	38	5	0	15	139	7	0	3	21	9	0	7	158	2	0	414
04:30 PM	21	43	10	0	10	148	13	0	6	38	7	0	6	154	7	0	463
04:45 PM	18	44	13	0	6	138	8	0	5	37	5	0	4	139	7	0	424
Total	54	160	38	0	35	551	35	0	18	125	25	0	26	598	23	0	1688
05:00 PM	13	51	12	0	14	163	11	0	2	38	10	0	4	162	7	0	487
05:15 PM	17	38	12	0	10	141	8	0	0	33	9	0	3	135	10	0	416
05:30 PM	14	37	11	0	10	131	8	0	4	26	10	0	1	132	4	0	388
05:45 PM	13	52	4	0	10	108	11	0	2	31	8	0	6	140	6	0	391
Total	57	178	39	0	44	543	38	0	8	128	37	0	14	569	27	0	1682
Grand Total	251	660	159	0	172	2378	133	0	55	517	150	0	77	2540	107	0	7199
Apprch %	23.5	61.7	14.9	0	6.4	88.6	5	0	7.6	71.6	20.8	0	2.8	93.2	3.9	0	
Total %	3.5	9.2	2.2	0	2.4	33	1.8	0	0.8	7.2	2.1	0	1.1	35.3	1.5	0	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:45 PM	11	36	7	0	54	8	134	5	0	147	4	27	8	0	39	3	133	6	0	142	382
02:00 PM	14	22	12	0	48	12	112	6	0	130	6	31	11	0	48	2	136	5	0	143	369
02:15 PM	17	28	12	0	57	9	106	7	0	122	6	34	11	0	51	4	142	11	0	157	387
02:30 PM	12	32	12	0	56	13	114	7	0	134	1	19	8	0	28	4	163	6	0	173	391
Total Volume	54	118	43	0	215	42	466	25	0	533	17	111	38	0	166	13	574	28	0	615	1529
% App. Total	25.1	54.9	20	0		7.9	87.4	4.7	0		10.2	66.9	22.9	0		2.1	93.3	4.6	0		
PHF	.794	.819	.896	.000	.943	.808	.869	.893	.000	.906	.708	.816	.864	.000	.814	.813	.880	.636	.000	.889	.978

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM



PRECISION  
D A T A  
INDUSTRIES, LLC

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N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 CC  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Heavy Vehicles

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	1	3	0	0	5
01:45 PM	2	0	0	0	0	6	0	0	0	0	0	0	0	15	1	0	24
Total	2	0	0	0	0	7	0	0	0	0	0	0	1	18	1	0	29
02:00 PM	0	0	0	0	0	7	0	0	0	1	0	0	0	16	1	0	25
02:15 PM	0	0	1	0	0	8	1	0	1	0	0	0	0	9	1	0	21
02:30 PM	1	0	0	0	1	1	0	0	0	1	0	0	1	4	1	0	10
02:45 PM	1	0	0	0	0	6	0	0	1	2	0	0	0	9	1	0	20
Total	2	0	1	0	1	22	1	0	2	4	0	0	1	38	4	0	76
03:00 PM	0	2	0	0	0	2	1	0	0	1	0	0	0	7	1	0	14
03:15 PM	0	1	0	0	0	3	0	0	0	1	0	0	0	4	0	0	9
03:30 PM	0	3	0	0	0	5	0	0	0	0	1	0	0	3	1	0	13
03:45 PM	0	1	0	0	0	9	0	0	1	0	0	0	0	3	0	0	14
Total	0	7	0	0	0	19	1	0	1	2	1	0	0	17	2	0	50
04:00 PM	0	2	0	0	0	6	0	0	0	0	0	0	0	4	1	0	13
04:15 PM	0	1	0	0	0	3	0	0	0	0	0	0	1	3	1	0	9
04:30 PM	0	0	0	0	0	2	0	0	0	2	0	0	0	1	0	0	5
04:45 PM	1	1	0	0	0	3	0	0	0	1	0	0	0	4	1	0	11
Total	1	4	0	0	0	14	0	0	0	3	0	0	1	12	3	0	38
05:00 PM	0	1	0	0	0	4	0	0	0	1	0	0	0	4	0	0	10
05:15 PM	1	0	0	0	0	3	0	0	0	0	0	0	0	1	1	0	6
05:30 PM	0	0	0	0	0	2	0	0	0	0	1	0	1	1	1	0	6
05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	5	0	0	6
Total	1	1	0	0	0	9	0	0	0	1	1	0	2	11	2	0	28
Grand Total	6	12	1	0	1	71	2	0	3	10	2	0	5	96	12	0	221
Apprch %	31.6	63.2	5.3	0	1.4	95.9	2.7	0	20	66.7	13.3	0	4.4	85	10.6	0	
Total %	2.7	5.4	0.5	0	0.5	32.1	0.9	0	1.4	4.5	0.9	0	2.3	43.4	5.4	0	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:45 PM	2	0	0	0	2	0	6	0	0	6	0	0	0	0	0	0	15	1	0	16	24
02:00 PM	0	0	0	0	0	0	7	0	0	7	0	1	0	0	1	0	16	1	0	17	25
02:15 PM	0	0	1	0	1	0	8	1	0	9	1	0	0	0	1	0	9	1	0	10	21
02:30 PM	1	0	0	0	1	1	1	0	0	2	0	1	0	0	1	1	4	1	0	6	10
Total Volume	3	0	1	0	4	1	22	1	0	24	1	2	0	0	3	1	44	4	0	49	80
% App. Total	75	0	25	0		4.2	91.7	4.2	0		33.3	66.7	0	0		2	89.8	8.2	0		
PHF	.375	.000	.250	.000	.500	.250	.688	.250	.000	.667	.250	.500	.000	.000	.750	.250	.688	1.000	.000	.721	.800

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM



PRECISION  
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E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 CC  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Peds and Bikes

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
01:30 PM	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Total	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	3
02:00 PM	0	0	0	0	0	0	0	5	0	0	0	31	1	0	0	0	37
02:15 PM	0	0	0	0	0	0	0	2	0	0	0	25	0	0	0	0	27
02:30 PM	0	0	0	1	0	0	0	0	0	0	0	7	0	0	0	1	9
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	4
Total	0	0	0	1	0	0	0	7	0	0	0	66	1	0	0	2	77
03:00 PM	0	0	0	3	0	0	0	0	0	0	0	4	0	1	0	2	10
03:15 PM	0	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	5
03:30 PM	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	2	5
03:45 PM	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	3
Total	0	0	0	7	0	0	0	0	0	0	0	10	0	1	0	5	23
04:00 PM	0	0	0	3	0	0	0	0	0	0	0	2	0	0	0	1	6
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
04:30 PM	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2
04:45 PM	0	0	0	4	0	0	0	1	0	0	0	1	0	0	0	1	7
Total	0	0	0	8	0	0	0	1	0	0	0	5	0	0	0	2	16
05:00 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3
05:15 PM	0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	4
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	2
Total	0	0	0	2	0	0	0	1	0	0	0	3	0	0	0	3	9
Grand Total	0	0	0	18	0	0	0	11	0	0	0	85	1	1	0	12	128
Apprch %	0	0	0	100	0	0	0	100	0	0	0	100	7.1	7.1	0	85.7	
Total %	0	0	0	14.1	0	0	0	8.6	0	0	0	66.4	0.8	0.8	0	9.4	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
02:00 PM	0	0	0	0	0	0	0	0	5	5	0	0	0	31	31	1	0	0	0	1	37
02:15 PM	0	0	0	0	0	0	0	0	2	2	0	0	0	25	25	0	0	0	0	0	27
02:30 PM	0	0	0	1	1	0	0	0	0	0	0	0	0	7	7	0	0	0	1	1	9
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	1	1	4
Total Volume	0	0	0	1	1	0	0	0	7	7	0	0	0	66	66	1	0	0	2	3	77
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		33.3	0	0	66.7		
PHF	.000	.000	.000	.250	.250	.000	.000	.000	.350	.350	.000	.000	.000	.532	.532	.250	.000	.000	.500	.750	.520

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 02:00 PM



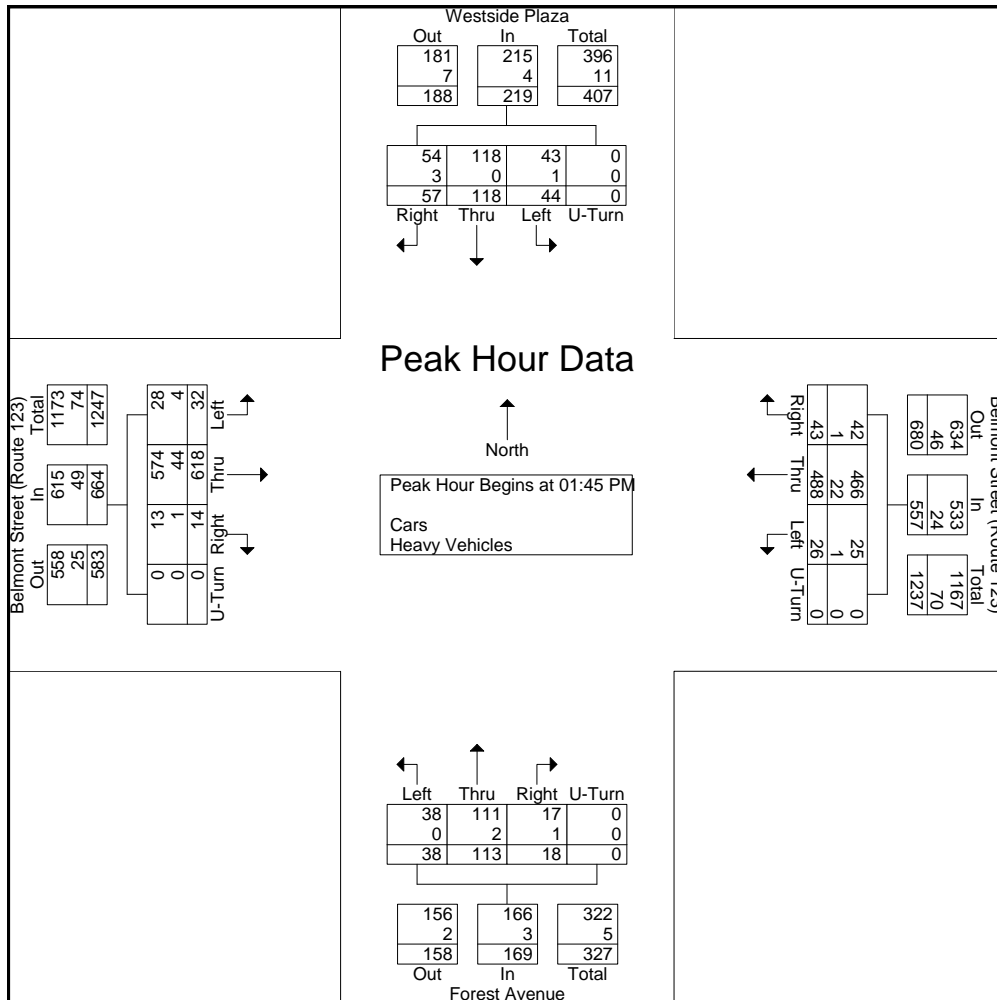
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File Name : 133488 CC  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	13	36	7	0	56	8	140	5	0	153	4	27	8	0	39	3	148	7	0	158	406
02:00 PM	14	22	12	0	48	12	119	6	0	137	6	32	11	0	49	2	152	6	0	160	394
02:15 PM	17	28	13	0	58	9	114	8	0	137	7	34	11	0	52	4	151	12	0	167	408
02:30 PM	13	32	12	0	57	14	115	7	0	136	1	20	8	0	29	5	167	7	0	179	401
Total Volume	57	118	44	0	219	43	488	26	0	557	18	113	38	0	169	14	618	32	0	664	1609
% App. Total	26	53.9	20.1	0		7.7	87.6	4.7	0		10.7	66.9	22.5	0		2.1	93.1	4.8	0		
PHF	.838	.819	.846	.000	.944	.768	.871	.813	.000	.910	.643	.831	.864	.000	.813	.700	.925	.667	.000	.927	.986
Cars	54	118	43	0	215	42	466	25	0	533	17	111	38	0	166	13	574	28	0	615	1529
% Cars	94.7	100	97.7	0	98.2	97.7	95.5	96.2	0	95.7	94.4	98.2	100	0	98.2	92.9	92.9	87.5	0	92.6	95.0
Heavy Vehicles	3	0	1	0	4	1	22	1	0	24	1	2	0	0	3	1	44	4	0	49	80
% Heavy Vehicles	5.3	0	2.3	0	1.8	2.3	4.5	3.8	0	4.3	5.6	1.8	0	0	1.8	7.1	7.1	12.5	0	7.4	5.0





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N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 C  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	4	19	4	0	8	121	13	0	3	7	0	0	0	131	3	0	313
07:15 AM	0	9	2	0	5	107	0	0	1	14	4	0	1	168	4	0	315
07:30 AM	3	11	3	0	2	107	2	0	0	19	2	0	1	155	1	0	306
07:45 AM	1	10	2	0	5	98	1	0	0	16	1	0	4	149	6	0	293
Total	8	49	11	0	20	433	16	0	4	56	7	0	6	603	14	0	1227
08:00 AM	8	14	3	0	4	110	2	0	1	23	4	0	5	145	5	0	324
08:15 AM	2	8	3	0	2	92	2	0	0	33	2	0	0	146	7	0	297
08:30 AM	4	17	3	0	2	86	0	0	2	22	3	0	4	174	7	0	324
08:45 AM	7	21	4	0	5	99	3	0	2	12	4	0	1	155	3	0	316
Total	21	60	13	0	13	387	7	0	5	90	13	0	10	620	22	0	1261
Grand Total	29	109	24	0	33	820	23	0	9	146	20	0	16	1223	36	0	2488
Apprch %	17.9	67.3	14.8	0	3.8	93.6	2.6	0	5.1	83.4	11.4	0	1.3	95.9	2.8	0	
Total %	1.2	4.4	1	0	1.3	33	0.9	0	0.4	5.9	0.8	0	0.6	49.2	1.4	0	
Cars	27	107	24	0	31	769	23	0	9	143	19	0	15	1153	28	0	2348
% Cars	93.1	98.2	100	0	93.9	93.8	100	0	100	97.9	95	0	93.8	94.3	77.8	0	94.4
Heavy Vehicles	2	2	0	0	2	51	0	0	0	3	1	0	1	70	8	0	140
% Heavy Vehicles	6.9	1.8	0	0	6.1	6.2	0	0	0	2.1	5	0	6.2	5.7	22.2	0	5.6

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	8	14	3	0	25	4	110	2	0	116	1	23	4	0	28	5	145	5	0	155	324
08:15 AM	2	8	3	0	13	2	92	2	0	96	0	33	2	0	35	0	146	7	0	153	297
08:30 AM	4	17	3	0	24	2	86	0	0	88	2	22	3	0	27	4	174	7	0	185	324
08:45 AM	7	21	4	0	32	5	99	3	0	107	2	12	4	0	18	1	155	3	0	159	316
Total Volume	21	60	13	0	94	13	387	7	0	407	5	90	13	0	108	10	620	22	0	652	1261
% App. Total	22.3	63.8	13.8	0		3.2	95.1	1.7	0		4.6	83.3	12	0		1.5	95.1	3.4	0		
PHF	.656	.714	.813	.000	.734	.650	.880	.583	.000	.877	.625	.682	.813	.000	.771	.500	.891	.786	.000	.881	.973
Cars	19	58	13	0	90	11	366	7	0	384	5	87	12	0	104	10	585	18	0	613	1191
% Cars	90.5	96.7	100	0	95.7	84.6	94.6	100	0	94.3	100	96.7	92.3	0	96.3	100	94.4	81.8	0	94.0	94.4
Heavy Vehicles	2	2	0	0	4	2	21	0	0	23	0	3	1	0	4	0	35	4	0	39	70
% Heavy Vehicles	9.5	3.3	0	0	4.3	15.4	5.4	0	0	5.7	0	3.3	7.7	0	3.7	0	5.6	18.2	0	6.0	5.6



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E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 C  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	4	19	4	0	8	111	13	0	3	7	0	0	0	115	1	0	285
07:15 AM	0	9	2	0	5	101	0	0	1	14	4	0	1	161	3	0	301
07:30 AM	3	11	3	0	2	99	2	0	0	19	2	0	1	149	1	0	292
07:45 AM	1	10	2	0	5	92	1	0	0	16	1	0	3	143	5	0	279
Total	8	49	11	0	20	403	16	0	4	56	7	0	5	568	10	0	1157
08:00 AM	8	14	3	0	2	106	2	0	1	22	4	0	5	139	4	0	310
08:15 AM	1	8	3	0	2	84	2	0	0	33	2	0	0	136	5	0	276
08:30 AM	3	16	3	0	2	83	0	0	2	20	3	0	4	162	6	0	304
08:45 AM	7	20	4	0	5	93	3	0	2	12	3	0	1	148	3	0	301
Total	19	58	13	0	11	366	7	0	5	87	12	0	10	585	18	0	1191
Grand Total	27	107	24	0	31	769	23	0	9	143	19	0	15	1153	28	0	2348
Apprch %	17.1	67.7	15.2	0	3.8	93.4	2.8	0	5.3	83.6	11.1	0	1.3	96.4	2.3	0	
Total %	1.1	4.6	1	0	1.3	32.8	1	0	0.4	6.1	0.8	0	0.6	49.1	1.2	0	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	8	14	3	0	25	2	106	2	0	110	1	22	4	0	27	5	139	4	0	148	310
08:15 AM	1	8	3	0	12	2	84	2	0	88	0	33	2	0	35	0	136	5	0	141	276
08:30 AM	3	16	3	0	22	2	83	0	0	85	2	20	3	0	25	4	162	6	0	172	304
08:45 AM	7	20	4	0	31	5	93	3	0	101	2	12	3	0	17	1	148	3	0	152	301
Total Volume	19	58	13	0	90	11	366	7	0	384	5	87	12	0	104	10	585	18	0	613	1191
% App. Total	21.1	64.4	14.4	0		2.9	95.3	1.8	0		4.8	83.7	11.5	0		1.6	95.4	2.9	0		
PHF	.594	.725	.813	.000	.726	.550	.863	.583	.000	.873	.625	.659	.750	.000	.743	.500	.903	.750	.000	.891	.960



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N/S: Westside Plaza/ Forest Avenue  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 C  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Heavy Vehicles

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	0	0	0	0	0	10	0	0	0	0	0	0	0	16	2	0	28
07:15 AM	0	0	0	0	0	6	0	0	0	0	0	0	0	7	1	0	14
07:30 AM	0	0	0	0	0	8	0	0	0	0	0	0	0	6	0	0	14
07:45 AM	0	0	0	0	0	6	0	0	0	0	0	0	1	6	1	0	14
Total	0	0	0	0	0	30	0	0	0	0	0	0	1	35	4	0	70
08:00 AM	0	0	0	0	2	4	0	0	0	1	0	0	0	6	1	0	14
08:15 AM	1	0	0	0	0	8	0	0	0	0	0	0	0	10	2	0	21
08:30 AM	1	1	0	0	0	3	0	0	0	2	0	0	0	12	1	0	20
08:45 AM	0	1	0	0	0	6	0	0	0	0	1	0	0	7	0	0	15
Total	2	2	0	0	2	21	0	0	0	3	1	0	0	35	4	0	70
Grand Total	2	2	0	0	2	51	0	0	0	3	1	0	1	70	8	0	140
Apprch %	50	50	0	0	3.8	96.2	0	0	0	75	25	0	1.3	88.6	10.1	0	
Total %	1.4	1.4	0	0	1.4	36.4	0	0	0	2.1	0.7	0	0.7	50	5.7	0	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	16	2	0	18	28
07:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	7	1	0	8	14
07:30 AM	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	6	0	0	6	14
07:45 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	1	6	1	0	8	14
Total Volume	0	0	0	0	0	0	30	0	0	30	0	0	0	0	0	1	35	4	0	40	70
% App. Total	0	0	0	0	0	0	100	0	0		0	0	0	0		2.5	87.5	10	0		
PHF	.000	.000	.000	.000	.000	.000	.750	.000	.000	.750	.000	.000	.000	.000	.000	.250	.547	.500	.000	.556	.625



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E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 C  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Peds and Bikes

Start Time	Westside Plaza From North				Belmont Street (Route 123) From East				Forest Avenue From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
07:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
07:15 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
07:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
08:30 AM	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	5	8
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	4
Total	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	10	16
Grand Total	0	0	0	3	0	0	0	0	0	0	0	7	0	0	0	10	20
Apprch %	0	0	0	100	0	0	0	0	0	0	0	100	0	0	0	100	
Total %	0	0	0	15	0	0	0	0	0	0	0	35	0	0	0	50	

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2
08:30 AM	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	8
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2	4
Total Volume	0	0	0	3	3	0	0	0	0	0	0	0	0	3	3	0	0	0	10	10	16
% App. Total	0	0	0	100		0	0	0	0		0	0	0	100		0	0	0	100		
PHF	.000	.000	.000	.250	.250	.000	.000	.000	.000	.000	.000	.000	.000	.375	.375	.000	.000	.000	.500	.500	.500





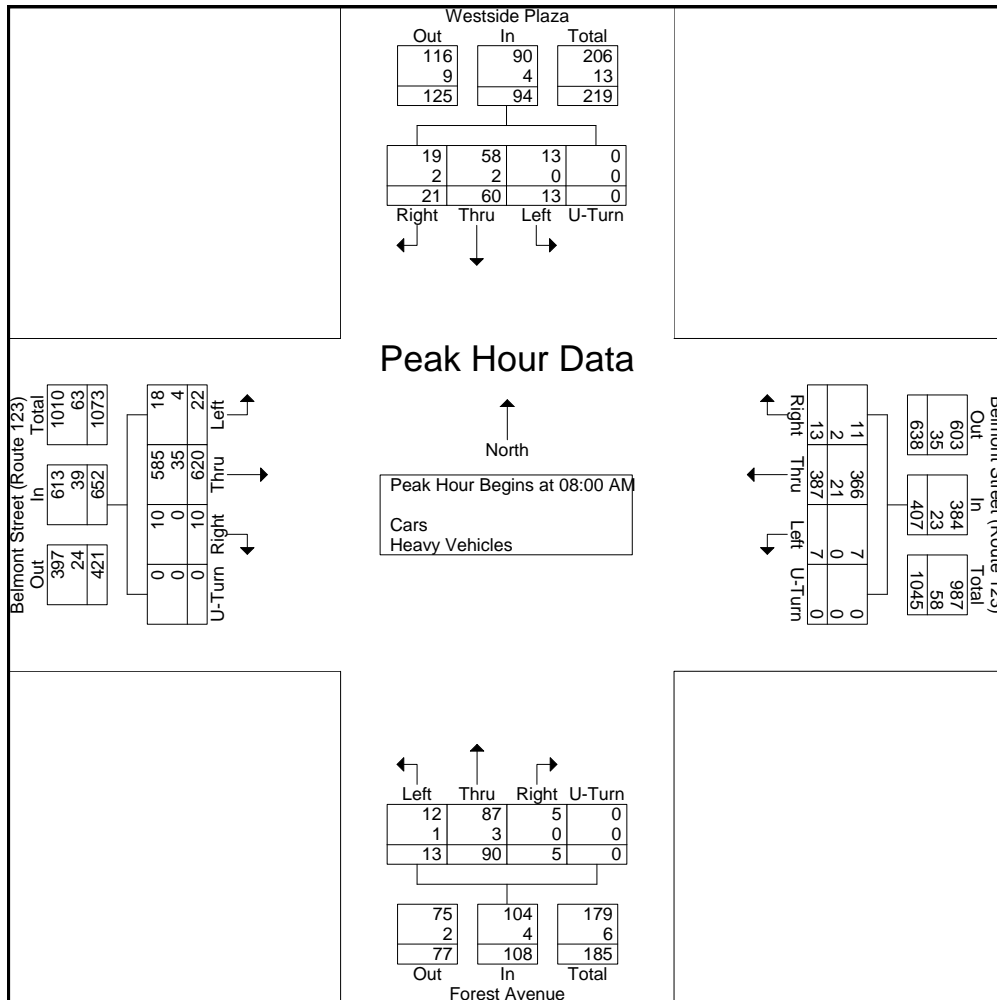
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Page No : 1

Start Time	Westside Plaza From North					Belmont Street (Route 123) From East					Forest Avenue From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	8	14	3	0	25	4	110	2	0	116	1	23	4	0	28	5	145	5	0	155	324
08:15 AM	2	8	3	0	13	2	92	2	0	96	0	33	2	0	35	0	146	7	0	153	297
08:30 AM	4	17	3	0	24	2	86	0	0	88	2	22	3	0	27	4	174	7	0	185	324
08:45 AM	7	21	4	0	32	5	99	3	0	107	2	12	4	0	18	1	155	3	0	159	316
Total Volume	21	60	13	0	94	13	387	7	0	407	5	90	13	0	108	10	620	22	0	652	1261
% App. Total	22.3	63.8	13.8	0		3.2	95.1	1.7	0		4.6	83.3	12	0		1.5	95.1	3.4	0		
PHF	.656	.714	.813	.000	.734	.650	.880	.583	.000	.877	.625	.682	.813	.000	.771	.500	.891	.786	.000	.881	.973
Cars	19	58	13	0	90	11	366	7	0	384	5	87	12	0	104	10	585	18	0	613	1191
% Cars	90.5	96.7	100	0	95.7	84.6	94.6	100	0	94.3	100	96.7	92.3	0	96.3	100	94.4	81.8	0	94.0	94.4
Heavy Vehicles	2	2	0	0	4	2	21	0	0	23	0	3	1	0	4	0	35	4	0	39	70
% Heavy Vehicles	9.5	3.3	0	0	4.3	15.4	5.4	0	0	5.7	0	3.3	7.7	0	3.7	0	5.6	18.2	0	6.0	5.6





PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
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File Name : 133488 DD  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	39	64	0	0	1	81	11	0	12	35	1	0	0	114	27	0	385
01:45 PM	49	66	1	0	2	98	8	0	10	55	2	0	3	136	30	0	460
Total	88	130	1	0	3	179	19	0	22	90	3	0	3	250	57	0	845
02:00 PM	45	58	2	0	0	91	16	0	32	47	0	0	0	112	35	0	438
02:15 PM	32	42	0	0	1	98	16	0	42	48	2	0	2	137	43	0	463
02:30 PM	47	55	2	0	3	86	15	0	11	64	0	0	1	137	40	0	461
02:45 PM	56	49	1	0	1	79	16	0	26	56	1	0	0	100	45	0	430
Total	180	204	5	0	5	354	63	0	111	215	3	0	3	486	163	0	1792
03:00 PM	47	59	0	0	0	101	7	0	16	39	1	0	0	110	26	0	406
03:15 PM	66	74	1	0	3	87	14	0	12	41	2	0	2	110	34	0	446
03:30 PM	61	52	0	0	4	146	11	0	14	47	1	0	2	140	30	0	508
03:45 PM	53	57	0	0	1	106	12	0	13	51	1	0	1	112	34	0	441
Total	227	242	1	0	8	440	44	0	55	178	5	0	5	472	124	0	1801
04:00 PM	59	56	1	0	2	91	9	0	10	54	1	0	2	137	31	0	453
04:15 PM	60	62	1	0	1	99	16	0	7	48	0	0	3	134	38	0	469
04:30 PM	58	47	1	0	1	114	6	0	6	60	0	0	0	124	35	0	452
04:45 PM	55	68	1	0	0	105	15	0	16	54	3	0	1	127	25	0	470
Total	232	233	4	0	4	409	46	0	39	216	4	0	6	522	129	0	1844
05:00 PM	57	45	0	0	1	124	5	0	7	47	0	0	1	122	41	0	450
05:15 PM	52	70	1	0	2	113	10	0	11	69	1	0	3	128	36	0	496
05:30 PM	58	62	0	0	2	101	8	0	9	41	0	0	4	93	32	0	410
05:45 PM	40	70	1	0	2	88	8	0	11	55	0	0	0	122	27	0	424
Total	207	247	2	0	7	426	31	0	38	212	1	0	8	465	136	0	1780
Grand Total	934	1056	13	0	27	1808	203	0	265	911	16	0	25	2195	609	0	8062
Apprch %	46.6	52.7	0.6	0	1.3	88.7	10	0	22.2	76.4	1.3	0	0.9	77.6	21.5	0	
Total %	11.6	13.1	0.2	0	0.3	22.4	2.5	0	3.3	11.3	0.2	0	0.3	27.2	7.6	0	
Cars	917	1034	13	0	27	1748	200	0	253	896	16	0	25	2116	585	0	7830
% Cars	98.2	97.9	100	0	100	96.7	98.5	0	95.5	98.4	100	0	100	96.4	96.1	0	97.1
Heavy Vehicles	17	22	0	0	0	60	3	0	12	15	0	0	0	79	24	0	232
% Heavy Vehicles	1.8	2.1	0	0	0	3.3	1.5	0	4.5	1.6	0	0	0	3.6	3.9	0	2.9

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	49	66	1	0	116	2	98	8	0	108	10	55	2	0	67	3	136	30	0	169	460
02:00 PM	45	58	2	0	105	0	91	16	0	107	32	47	0	0	79	0	112	35	0	147	438
02:15 PM	32	42	0	0	74	1	98	16	0	115	42	48	2	0	92	2	137	43	0	182	463
02:30 PM	47	55	2	0	104	3	86	15	0	104	11	64	0	0	75	1	137	40	0	178	461
Total Volume	173	221	5	0	399	6	373	55	0	434	95	214	4	0	313	6	522	148	0	676	1822
% App. Total	43.4	55.4	1.3	0		1.4	85.9	12.7	0		30.4	68.4	1.3	0		0.9	77.2	21.9	0		
PHF	.883	.837	.625	.000	.860	.500	.952	.859	.000	.943	.565	.836	.500	.000	.851	.500	.953	.860	.000	.929	.984
Cars	167	218	5	0	390	6	357	54	0	417	87	210	4	0	301	6	491	131	0	628	1736
% Cars	96.5	98.6	100	0	97.7	100	95.7	98.2	0	96.1	91.6	98.1	100	0	96.2	100	94.1	88.5	0	92.9	95.3
Heavy Vehicles	6	3	0	0	9	0	16	1	0	17	8	4	0	0	12	0	31	17	0	48	86
% Heavy Vehicles	3.5	1.4	0	0	2.3	0	4.3	1.8	0	3.9	8.4	1.9	0	0	3.8	0	5.9	11.5	0	7.1	4.7



PRECISION  
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File Name : 133488 DD  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	39	64	0	0	1	78	11	0	12	34	1	0	0	113	27	0	380
01:45 PM	48	65	1	0	2	93	8	0	10	55	2	0	3	125	23	0	435
Total	87	129	1	0	3	171	19	0	22	89	3	0	3	238	50	0	815
02:00 PM	44	57	2	0	0	84	16	0	25	44	0	0	0	102	31	0	405
02:15 PM	28	41	0	0	1	95	15	0	41	47	2	0	2	130	38	0	440
02:30 PM	47	55	2	0	3	85	15	0	11	64	0	0	1	134	39	0	456
02:45 PM	52	48	1	0	1	77	16	0	26	55	1	0	0	93	43	0	413
Total	171	201	5	0	5	341	62	0	103	210	3	0	3	459	151	0	1714
03:00 PM	46	59	0	0	0	98	7	0	14	37	1	0	0	105	24	0	391
03:15 PM	66	73	1	0	3	84	14	0	12	40	2	0	2	105	34	0	436
03:30 PM	61	51	0	0	4	142	11	0	14	45	1	0	2	137	30	0	498
03:45 PM	50	56	0	0	1	99	11	0	12	50	1	0	1	108	34	0	423
Total	223	239	1	0	8	423	43	0	52	172	5	0	5	455	122	0	1748
04:00 PM	58	52	1	0	2	85	9	0	10	54	1	0	2	134	28	0	436
04:15 PM	59	58	1	0	1	97	15	0	7	47	0	0	3	130	38	0	456
04:30 PM	58	44	1	0	1	112	6	0	6	59	0	0	0	122	35	0	444
04:45 PM	55	67	1	0	0	100	15	0	16	53	3	0	1	122	25	0	458
Total	230	221	4	0	4	394	45	0	39	213	4	0	6	508	126	0	1794
05:00 PM	57	45	0	0	1	122	5	0	7	47	0	0	1	120	41	0	446
05:15 PM	51	68	1	0	2	111	10	0	11	69	1	0	3	126	36	0	489
05:30 PM	58	61	0	0	2	99	8	0	9	41	0	0	4	90	32	0	404
05:45 PM	40	70	1	0	2	87	8	0	10	55	0	0	0	120	27	0	420
Total	206	244	2	0	7	419	31	0	37	212	1	0	8	456	136	0	1759
Grand Total	917	1034	13	0	27	1748	200	0	253	896	16	0	25	2116	585	0	7830
Apprch %	46.7	52.6	0.7	0	1.4	88.5	10.1	0	21.7	76.9	1.4	0	0.9	77.6	21.5	0	
Total %	11.7	13.2	0.2	0	0.3	22.3	2.6	0	3.2	11.4	0.2	0	0.3	27	7.5	0	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:45 PM	48	65	1	0	114	2	93	8	0	103	10	55	2	0	67	3	125	23	0	151	435
02:00 PM	44	57	2	0	103	0	84	16	0	100	25	44	0	0	69	0	102	31	0	133	405
02:15 PM	28	41	0	0	69	1	95	15	0	111	41	47	2	0	90	2	130	38	0	170	440
02:30 PM	47	55	2	0	104	3	85	15	0	103	11	64	0	0	75	1	134	39	0	174	456
Total Volume	167	218	5	0	390	6	357	54	0	417	87	210	4	0	301	6	491	131	0	628	1736
% App. Total	42.8	55.9	1.3	0		1.4	85.6	12.9	0		28.9	69.8	1.3	0		1	78.2	20.9	0		
PHF	.870	.838	.625	.000	.855	.500	.939	.844	.000	.939	.530	.820	.500	.000	.836	.500	.916	.840	.000	.902	.952

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM



PRECISION  
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INDUSTRIES, LLC

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File Name : 133488 DD  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	0	0	0	0	0	3	0	0	0	1	0	0	0	1	0	0	5
01:45 PM	1	1	0	0	0	5	0	0	0	0	0	0	0	11	7	0	25
<b>Total</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>7</b>	<b>0</b>	<b>30</b>
02:00 PM	1	1	0	0	0	7	0	0	7	3	0	0	0	10	4	0	33
02:15 PM	4	1	0	0	0	3	1	0	1	1	0	0	0	7	5	0	23
02:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	3	1	0	5
02:45 PM	4	1	0	0	0	2	0	0	0	1	0	0	0	7	2	0	17
<b>Total</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>12</b>	<b>0</b>	<b>78</b>
03:00 PM	1	0	0	0	0	3	0	0	2	2	0	0	0	5	2	0	15
03:15 PM	0	1	0	0	0	3	0	0	0	1	0	0	0	5	0	0	10
03:30 PM	0	1	0	0	0	4	0	0	0	2	0	0	0	3	0	0	10
03:45 PM	3	1	0	0	0	7	1	0	1	1	0	0	0	4	0	0	18
<b>Total</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>53</b>
04:00 PM	1	4	0	0	0	6	0	0	0	0	0	0	0	3	3	0	17
04:15 PM	1	4	0	0	0	2	1	0	0	1	0	0	0	4	0	0	13
04:30 PM	0	3	0	0	0	2	0	0	0	1	0	0	0	2	0	0	8
04:45 PM	0	1	0	0	0	5	0	0	0	1	0	0	0	5	0	0	12
<b>Total</b>	<b>2</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>50</b>
05:00 PM	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	4
05:15 PM	1	2	0	0	0	2	0	0	0	0	0	0	0	2	0	0	7
05:30 PM	0	1	0	0	0	2	0	0	0	0	0	0	0	3	0	0	6
05:45 PM	0	0	0	0	0	1	0	0	1	0	0	0	0	2	0	0	4
<b>Total</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>21</b>
<b>Grand Total</b>	<b>17</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>24</b>	<b>0</b>	<b>232</b>
Apprch %	43.6	56.4	0	0	0	95.2	4.8	0	44.4	55.6	0	0	0	76.7	23.3	0	
Total %	7.3	9.5	0	0	0	25.9	1.3	0	5.2	6.5	0	0	0	34.1	10.3	0	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:30 PM	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	0	1	0	0	1	5
01:45 PM	1	1	0	0	2	0	5	0	0	5	0	0	0	0	0	0	11	7	0	18	25
02:00 PM	1	1	0	0	2	0	7	0	0	7	7	3	0	0	10	0	10	4	0	14	33
02:15 PM	4	1	0	0	5	0	3	1	0	4	1	1	0	0	2	0	7	5	0	12	23
<b>Total Volume</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>19</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>29</b>	<b>16</b>	<b>0</b>	<b>45</b>	<b>86</b>
<b>% App. Total</b>	<b>66.7</b>	<b>33.3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>94.7</b>	<b>5.3</b>	<b>0</b>	<b>0</b>	<b>61.5</b>	<b>38.5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64.4</b>	<b>35.6</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>PHF</b>	<b>.375</b>	<b>.750</b>	<b>.000</b>	<b>.000</b>	<b>.450</b>	<b>.000</b>	<b>.643</b>	<b>.250</b>	<b>.000</b>	<b>.679</b>	<b>.286</b>	<b>.417</b>	<b>.000</b>	<b>.000</b>	<b>.325</b>	<b>.000</b>	<b>.659</b>	<b>.571</b>	<b>.000</b>	<b>.625</b>	<b>.652</b>

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:30 PM



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File Name : 133488 DD  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Peds and Bikes

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
01:30 PM	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	3
01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	3
02:00 PM	0	0	0	0	0	0	0	5	0	0	0	22	0	0	0	0	27
02:15 PM	0	0	0	2	0	0	0	7	0	0	0	24	0	0	0	8	41
02:30 PM	0	0	0	5	0	0	0	0	0	0	0	1	0	0	0	5	11
02:45 PM	0	0	0	4	0	0	0	1	0	0	0	3	0	0	0	7	15
Total	0	0	0	11	0	0	0	13	0	0	0	50	0	0	0	20	94
03:00 PM	0	1	0	2	0	1	0	1	0	0	0	3	0	0	0	1	9
03:15 PM	0	1	0	0	0	0	0	6	0	0	0	8	0	1	0	0	16
03:30 PM	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	1	5
03:45 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
Total	0	2	0	2	0	1	0	8	0	0	0	15	0	1	0	3	32
04:00 PM	0	1	0	2	0	0	0	0	0	0	0	1	0	0	0	2	6
04:15 PM	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	2	5
04:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	3	0	0	0	1	0	0	0	3	0	0	0	4	12
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	2
Total	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	3
Grand Total	0	3	0	18	0	1	0	23	0	0	0	70	0	1	0	28	144
Apprch %	0	14.3	0	85.7	0	4.2	0	95.8	0	0	0	100	0	3.4	0	96.6	
Total %	0	2.1	0	12.5	0	0.7	0	16	0	0	0	48.6	0	0.7	0	19.4	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 02:00 PM																						
02:00 PM	0	0	0	0	0	0	0	0	5	5	0	0	0	22	22	0	0	0	0	0	0	27
02:15 PM	0	0	0	2	2	0	0	0	7	7	0	0	0	24	24	0	0	0	8	8	8	41
02:30 PM	0	0	0	5	5	0	0	0	0	0	0	0	0	1	1	0	0	0	5	5	5	11
02:45 PM	0	0	0	4	4	0	0	0	1	1	0	0	0	3	3	0	0	0	7	7	7	15
Total Volume	0	0	0	11	11	0	0	0	13	13	0	0	0	50	50	0	0	0	20	20	20	94
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	0	0	100			
PHF	.000	.000	.000	.550	.550	.000	.000	.000	.464	.464	.000	.000	.000	.521	.521	.000	.000	.000	.625	.625	.573	



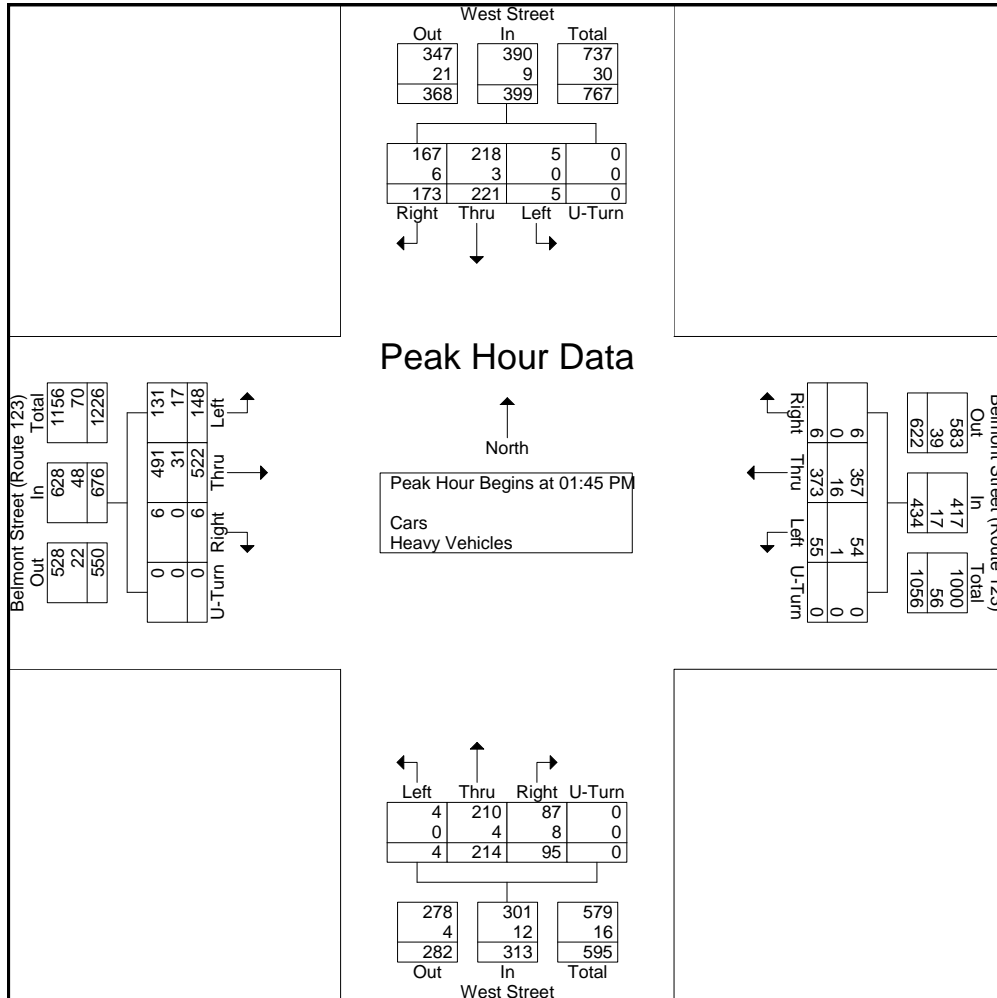
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File Name : 133488 DD  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	49	66	1	0	116	2	98	8	0	108	10	55	2	0	67	3	136	30	0	169	460
02:00 PM	45	58	2	0	105	0	91	16	0	107	32	47	0	0	79	0	112	35	0	147	438
02:15 PM	32	42	0	0	74	1	98	16	0	115	42	48	2	0	92	2	137	43	0	182	463
02:30 PM	47	55	2	0	104	3	86	15	0	104	11	64	0	0	75	1	137	40	0	178	461
Total Volume	173	221	5	0	399	6	373	55	0	434	95	214	4	0	313	6	522	148	0	676	1822
% App. Total	43.4	55.4	1.3	0		1.4	85.9	12.7	0		30.4	68.4	1.3	0		0.9	77.2	21.9	0		
PHF	.883	.837	.625	.000	.860	.500	.952	.859	.000	.943	.565	.836	.500	.000	.851	.500	.953	.860	.000	.929	.984
Cars	167	218	5	0	390	6	357	54	0	417	87	210	4	0	301	6	491	131	0	628	1736
% Cars	96.5	98.6	100	0	97.7	100	95.7	98.2	0	96.1	91.6	98.1	100	0	96.2	100	94.1	88.5	0	92.9	95.3
Heavy Vehicles	6	3	0	0	9	0	16	1	0	17	8	4	0	0	12	0	31	17	0	48	86
% Heavy Vehicles	3.5	1.4	0	0	2.3	0	4.3	1.8	0	3.9	8.4	1.9	0	0	3.8	0	5.9	11.5	0	7.1	4.7





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File Name : 133488 D  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	40	51	0	0	0	106	43	0	26	56	0	0	0	116	28	0	466
07:15 AM	26	25	0	0	0	86	2	0	22	41	0	0	1	148	32	0	383
07:30 AM	38	24	2	0	1	79	3	0	7	43	0	0	1	140	21	0	359
07:45 AM	36	42	0	0	0	71	3	0	8	48	1	0	0	128	25	0	362
Total	140	142	2	0	1	342	51	0	63	188	1	0	2	532	106	0	1570
08:00 AM	29	31	0	0	0	73	5	0	6	44	1	0	0	126	23	0	338
08:15 AM	30	39	2	0	0	65	6	0	10	41	0	0	1	120	26	0	340
08:30 AM	27	29	0	0	0	59	4	0	5	46	0	0	2	159	26	0	357
08:45 AM	33	31	1	0	0	73	13	0	8	48	0	0	1	145	27	0	380
Total	119	130	3	0	0	270	28	0	29	179	1	0	4	550	102	0	1415
Grand Total	259	272	5	0	1	612	79	0	92	367	2	0	6	1082	208	0	2985
Apprch %	48.3	50.7	0.9	0	0.1	88.4	11.4	0	20	79.6	0.4	0	0.5	83.5	16	0	
Total %	8.7	9.1	0.2	0	0	20.5	2.6	0	3.1	12.3	0.1	0	0.2	36.2	7	0	
Cars	248	265	5	0	1	575	75	0	92	362	2	0	6	1028	196	0	2855
% Cars	95.8	97.4	100	0	100	94	94.9	0	100	98.6	100	0	100	95	94.2	0	95.6
Heavy Vehicles	11	7	0	0	0	37	4	0	0	5	0	0	0	54	12	0	130
% Heavy Vehicles	4.2	2.6	0	0	0	6	5.1	0	0	1.4	0	0	0	5	5.8	0	4.4

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	40	51	0	0	91	0	106	43	0	149	26	56	0	0	82	0	116	28	0	144	466
07:15 AM	26	25	0	0	51	0	86	2	0	88	22	41	0	0	63	1	148	32	0	181	383
07:30 AM	38	24	2	0	64	1	79	3	0	83	7	43	0	0	50	1	140	21	0	162	359
07:45 AM	36	42	0	0	78	0	71	3	0	74	8	48	1	0	57	0	128	25	0	153	362
Total Volume	140	142	2	0	284	1	342	51	0	394	63	188	1	0	252	2	532	106	0	640	1570
% App. Total	49.3	50	0.7	0		0.3	86.8	12.9	0		25	74.6	0.4	0		0.3	83.1	16.6	0		
PHF	.875	.696	.250	.000	.780	.250	.807	.297	.000	.661	.606	.839	.250	.000	.768	.500	.899	.828	.000	.884	.842
Cars	134	137	2	0	273	1	321	49	0	371	63	184	1	0	248	2	502	99	0	603	1495
% Cars	95.7	96.5	100	0	96.1	100	93.9	96.1	0	94.2	100	97.9	100	0	98.4	100	94.4	93.4	0	94.2	95.2
Heavy Vehicles	6	5	0	0	11	0	21	2	0	23	0	4	0	0	4	0	30	7	0	37	75
% Heavy Vehicles	4.3	3.5	0	0	3.9	0	6.1	3.9	0	5.8	0	2.1	0	0	1.6	0	5.6	6.6	0	5.8	4.8



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File Name : 133488 D  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	39	51	0	0	0	98	42	0	26	52	0	0	0	102	25	0	435
07:15 AM	24	24	0	0	0	83	2	0	22	41	0	0	1	144	29	0	370
07:30 AM	37	22	2	0	1	73	2	0	7	43	0	0	1	134	20	0	342
07:45 AM	34	40	0	0	0	67	3	0	8	48	1	0	0	122	25	0	348
Total	134	137	2	0	1	321	49	0	63	184	1	0	2	502	99	0	1495
08:00 AM	28	31	0	0	0	67	5	0	6	43	1	0	0	121	23	0	325
08:15 AM	28	39	2	0	0	59	6	0	10	41	0	0	1	114	24	0	324
08:30 AM	26	29	0	0	0	57	4	0	5	46	0	0	2	149	24	0	342
08:45 AM	32	29	1	0	0	71	11	0	8	48	0	0	1	142	26	0	369
Total	114	128	3	0	0	254	26	0	29	178	1	0	4	526	97	0	1360
Grand Total	248	265	5	0	1	575	75	0	92	362	2	0	6	1028	196	0	2855
Apprch %	47.9	51.2	1	0	0.2	88.3	11.5	0	20.2	79.4	0.4	0	0.5	83.6	15.9	0	
Total %	8.7	9.3	0.2	0	0	20.1	2.6	0	3.2	12.7	0.1	0	0.2	36	6.9	0	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	39	51	0	0	90	0	98	42	0	140	26	52	0	0	78	0	102	25	0	127	435
07:15 AM	24	24	0	0	48	0	83	2	0	85	22	41	0	0	63	1	144	29	0	174	370
07:30 AM	37	22	2	0	61	1	73	2	0	76	7	43	0	0	50	1	134	20	0	155	342
07:45 AM	34	40	0	0	74	0	67	3	0	70	8	48	1	0	57	0	122	25	0	147	348
Total Volume	134	137	2	0	273	1	321	49	0	371	63	184	1	0	248	2	502	99	0	603	1495
% App. Total	49.1	50.2	0.7	0		0.3	86.5	13.2	0		25.4	74.2	0.4	0		0.3	83.3	16.4	0		
PHF	.859	.672	.250	.000	.758	.250	.819	.292	.000	.663	.606	.885	.250	.000	.795	.500	.872	.853	.000	.866	.859





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File Name : 133488 D  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	1	0	0	0	0	8	1	0	0	4	0	0	0	14	3	0	31
07:15 AM	2	1	0	0	0	3	0	0	0	0	0	0	0	4	3	0	13
07:30 AM	1	2	0	0	0	6	1	0	0	0	0	0	0	6	1	0	17
07:45 AM	2	2	0	0	0	4	0	0	0	0	0	0	0	6	0	0	14
Total	6	5	0	0	0	21	2	0	0	4	0	0	0	30	7	0	75
08:00 AM	1	0	0	0	0	6	0	0	0	1	0	0	0	5	0	0	13
08:15 AM	2	0	0	0	0	6	0	0	0	0	0	0	0	6	2	0	16
08:30 AM	1	0	0	0	0	2	0	0	0	0	0	0	0	10	2	0	15
08:45 AM	1	2	0	0	0	2	2	0	0	0	0	0	0	3	1	0	11
Total	5	2	0	0	0	16	2	0	0	1	0	0	0	24	5	0	55
Grand Total	11	7	0	0	0	37	4	0	0	5	0	0	0	54	12	0	130
Apprch %	61.1	38.9	0	0	0	90.2	9.8	0	0	100	0	0	0	81.8	18.2	0	
Total %	8.5	5.4	0	0	0	28.5	3.1	0	0	3.8	0	0	0	41.5	9.2	0	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	1	0	0	0	1	0	8	1	0	9	0	4	0	0	4	0	14	3	0	17	31
07:15 AM	2	1	0	0	3	0	3	0	0	3	0	0	0	0	0	0	4	3	0	7	13
07:30 AM	1	2	0	0	3	0	6	1	0	7	0	0	0	0	0	0	6	1	0	7	17
07:45 AM	2	2	0	0	4	0	4	0	0	4	0	0	0	0	0	0	6	0	0	6	14
Total Volume	6	5	0	0	11	0	21	2	0	23	0	4	0	0	4	0	30	7	0	37	75
% App. Total	54.5	45.5	0	0		0	91.3	8.7	0		0	100	0	0		0	81.1	18.9	0		
PHF	.750	.625	.000	.000	.688	.000	.656	.500	.000	.639	.000	.250	.000	.000	.250	.000	.536	.583	.000	.544	.605



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N/S: West Street  
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City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Peds and Bikes

Start Time	West Street From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
07:00 AM	0	0	0	0	0	0	0	4	0	0	0	7	0	1	0	1	13
07:15 AM	0	0	0	1	0	0	0	1	0	0	0	5	0	0	0	0	7
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
07:45 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	3	0	0	0	5	0	0	0	13	0	1	0	2	24
08:00 AM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
08:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 AM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
Grand Total	0	0	0	3	0	0	0	6	0	0	0	14	0	1	0	2	26
Apprch %	0	0	0	100	0	0	0	100	0	0	0	100	0	33.3	0	66.7	
Total %	0	0	0	11.5	0	0	0	23.1	0	0	0	53.8	0	3.8	0	7.7	

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	0	0	0	0	0	0	0	0	4	4	0	0	0	7	7	0	1	0	1	2	13
07:15 AM	0	0	0	1	1	0	0	0	1	1	0	0	0	5	5	0	0	0	0	0	7
07:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
07:45 AM	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total Volume	0	0	0	3	3	0	0	0	5	5	0	0	0	13	13	0	1	0	2	3	24
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	33.3	0	66.7		
PHF	.000	.000	.000	.375	.375	.000	.000	.000	.313	.313	.000	.000	.000	.464	.464	.000	.250	.000	.500	.375	.462



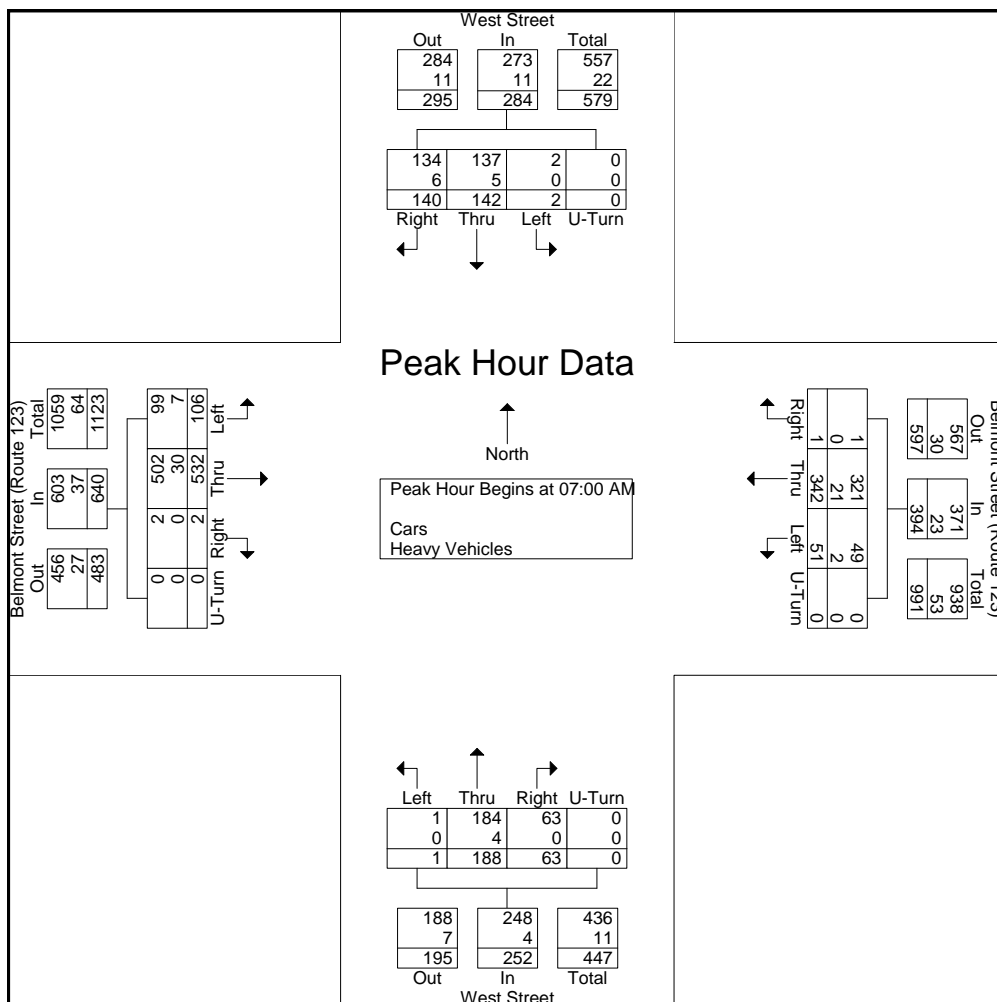
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P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133488 D  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	West Street From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	40	51	0	0	91	0	106	43	0	149	26	56	0	0	82	0	116	28	0	144	466
07:15 AM	26	25	0	0	51	0	86	2	0	88	22	41	0	0	63	1	148	32	0	181	383
07:30 AM	38	24	2	0	64	1	79	3	0	83	7	43	0	0	50	1	140	21	0	162	359
07:45 AM	36	42	0	0	78	0	71	3	0	74	8	48	1	0	57	0	128	25	0	153	362
Total Volume	140	142	2	0	284	1	342	51	0	394	63	188	1	0	252	2	532	106	0	640	1570
% App. Total	49.3	50	0.7	0		0.3	86.8	12.9	0		25	74.6	0.4	0		0.3	83.1	16.6	0		
PHF	.875	.696	.250	.000	.780	.250	.807	.297	.000	.661	.606	.839	.250	.000	.768	.500	.899	.828	.000	.884	.842
Cars	134	137	2	0	273	1	321	49	0	371	63	184	1	0	248	2	502	99	0	603	1495
% Cars	95.7	96.5	100	0	96.1	100	93.9	96.1	0	94.2	100	97.9	100	0	98.4	100	94.4	93.4	0	94.2	95.2
Heavy Vehicles	6	5	0	0	11	0	21	2	0	23	0	4	0	0	4	0	30	7	0	37	75
% Heavy Vehicles	4.3	3.5	0	0	3.9	0	6.1	3.9	0	5.8	0	2.1	0	0	1.6	0	5.6	6.6	0	5.8	4.8





# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Belmont Street @ Torrey Street\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Torrey Street Southbound					Belmont Street Westbound					Belmont Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
01:30 PM	0	0	64	0	64	65	88	0	0	153	0	128	0	0	128	345
01:45 PM	1	0	60	0	61	71	116	0	0	187	0	138	0	0	138	386
Total	1	0	124	0	125	136	204	0	0	340	0	266	0	0	266	731
02:00 PM	0	0	61	0	61	76	98	0	0	174	0	133	0	2	135	370
02:15 PM	0	0	56	0	56	72	113	0	0	185	0	160	1	0	161	402
02:30 PM	0	0	61	0	61	81	95	0	0	176	0	141	0	9	150	387
02:45 PM	0	0	82	2	84	74	83	0	0	157	0	122	0	2	124	365
Total	0	0	260	2	262	303	389	0	0	692	0	556	1	13	570	1524
03:00 PM	1	0	60	0	61	84	102	0	3	189	0	111	1	1	113	363
03:15 PM	0	0	55	0	55	74	91	0	1	166	0	114	0	0	114	335
03:30 PM	1	0	84	1	86	72	145	0	3	220	0	168	0	0	168	474
03:45 PM	0	0	60	0	60	101	119	0	0	220	0	121	0	0	121	401
Total	2	0	259	1	262	331	457	0	7	795	0	514	1	1	516	1573
04:00 PM	0	0	67	0	67	72	95	0	0	167	0	144	0	1	145	379
04:15 PM	1	0	83	0	84	74	107	0	0	181	0	139	0	0	139	404
04:30 PM	1	0	72	1	74	78	110	0	0	188	0	124	0	0	124	386
04:45 PM	0	0	82	0	82	77	114	0	1	192	0	141	0	0	141	415
Total	2	0	304	1	307	301	426	0	1	728	0	548	0	1	549	1584
05:00 PM	0	0	74	2	76	85	119	0	0	204	0	131	0	2	133	413
05:15 PM	1	0	74	0	75	73	104	0	0	177	0	132	0	0	132	384
05:30 PM	1	0	88	0	89	74	99	0	0	173	0	94	0	0	94	356
05:45 PM	0	0	84	0	84	63	91	0	0	154	0	140	0	0	140	378
Total	2	0	320	2	324	295	413	0	0	708	0	497	0	2	499	1531
Grand Total	7	0	1267	6	1280	1366	1889	0	8	3263	0	2381	2	17	2400	6943
Apprch %	0.5	0	99	0.5		41.9	57.9	0	0.2		0	99.2	0.1	0.7		
Total %	0.1	0	18.2	0.1	18.4	19.7	27.2	0	0.1	47	0	34.3	0	0.2	34.6	
Cars	7	0	1230	0	1237	1320	1831	0	0	3151	0	2291	2	0	2293	6681
% Cars	100	0	97.1	0	96.6	96.6	96.9	0	0	96.6	0	96.2	100	0	95.5	96.2
Buses	0	0	19	5	24	25	9	0	5	39	0	34	0	9	43	106
% Buses	0	0	1.5	83.3	1.9	1.8	0.5	0	62.5	1.2	0	1.4	0	52.9	1.8	1.5
Trucks	0	0	18	1	19	21	49	0	3	73	0	56	0	8	64	156
% Trucks	0	0	1.4	16.7	1.5	1.5	2.6	0	37.5	2.2	0	2.4	0	47.1	2.7	2.2

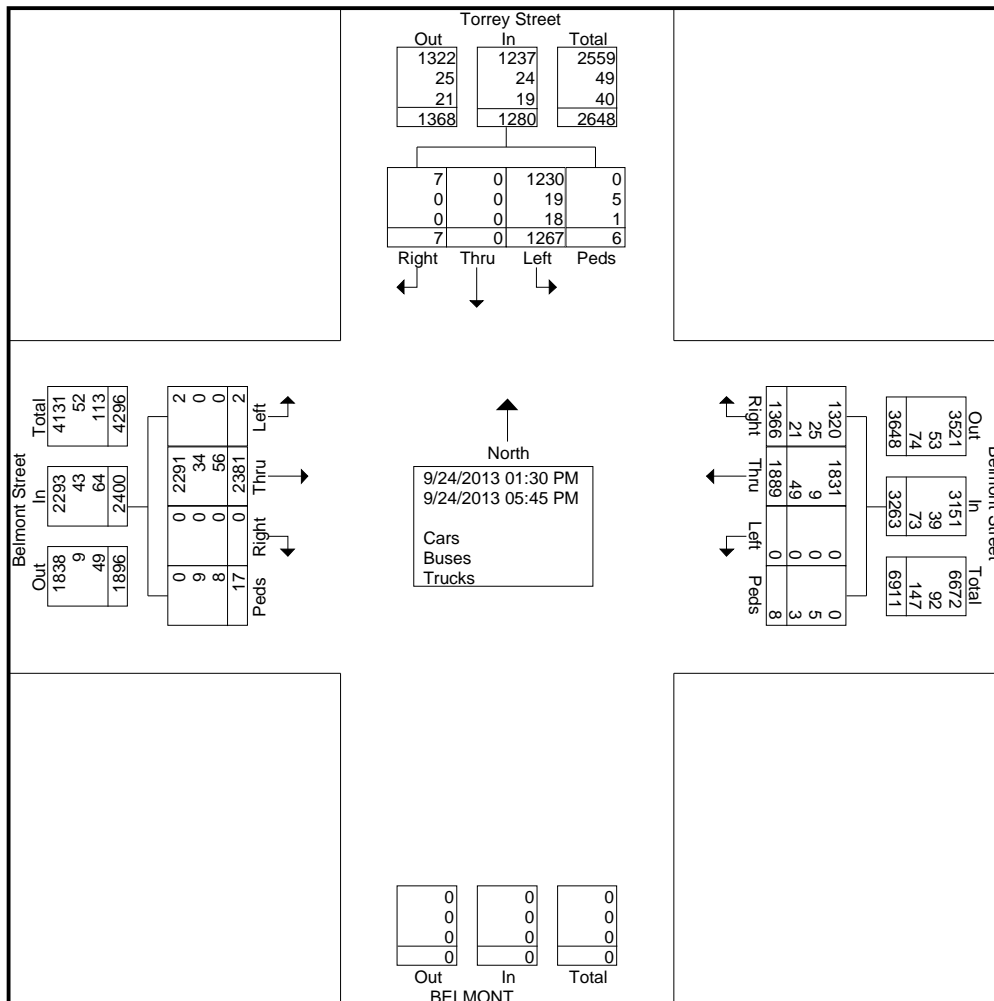


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Belmont Street @ Torrey Street\_PM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 2



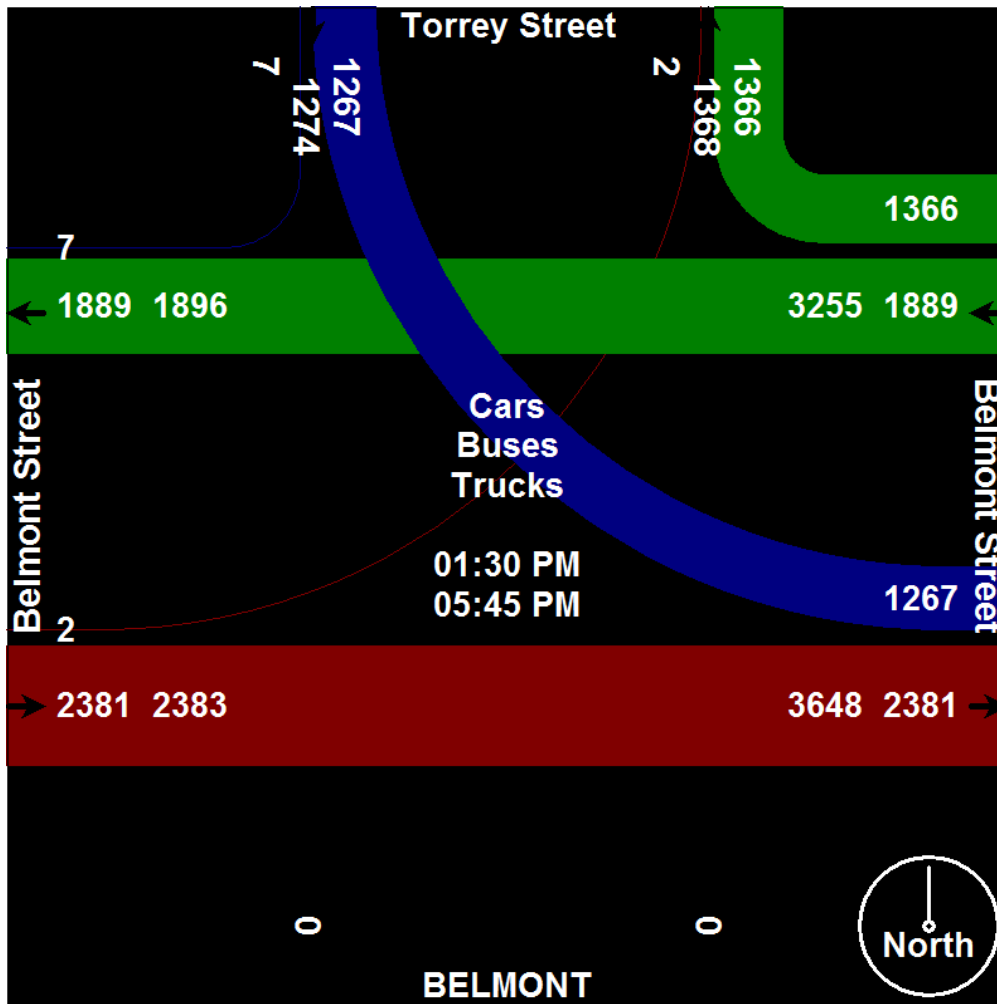


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 Page No : 4

Start Time	Torrey Street Southbound					Belmont Street Westbound					Belmont Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 01:30 PM to 05:45 PM - Peak 1 of 1																
Peak Hour for Entire Intersection Begins at 03:30 PM																
03:30 PM	1	0	84	1	86	72	145	0	3	220	0	168	0	0	168	474
03:45 PM	0	0	60	0	60	101	119	0	0	220	0	121	0	0	121	401
04:00 PM	0	0	67	0	67	72	95	0	0	167	0	144	0	1	145	379
04:15 PM	1	0	83	0	84	74	107	0	0	181	0	139	0	0	139	404
Total Volume	2	0	294	1	297	319	466	0	3	788	0	572	0	1	573	1658
% App. Total	0.7	0	99	0.3		40.5	59.1	0	0.4		0	99.8	0	0.2		
PHF	.500	.000	.875	.250	.863	.790	.803	.000	.250	.895	.000	.851	.000	.250	.853	.874
Cars	2	0	284	0	286	306	446	0	0	752	0	554	0	0	554	1592
% Cars	100	0	96.6	0	96.3	95.9	95.7	0	0	95.4	0	96.9	0	0	96.7	96.0
Buses	0	0	6	1	7	8	3	0	1	12	0	3	0	1	4	23
% Buses	0	0	2.0	100	2.4	2.5	0.6	0	33.3	1.5	0	0.5	0	100	0.7	1.4
Trucks	0	0	4	0	4	5	17	0	2	24	0	15	0	0	15	43
% Trucks	0	0	1.4	0	1.3	1.6	3.6	0	66.7	3.0	0	2.6	0	0	2.6	2.6

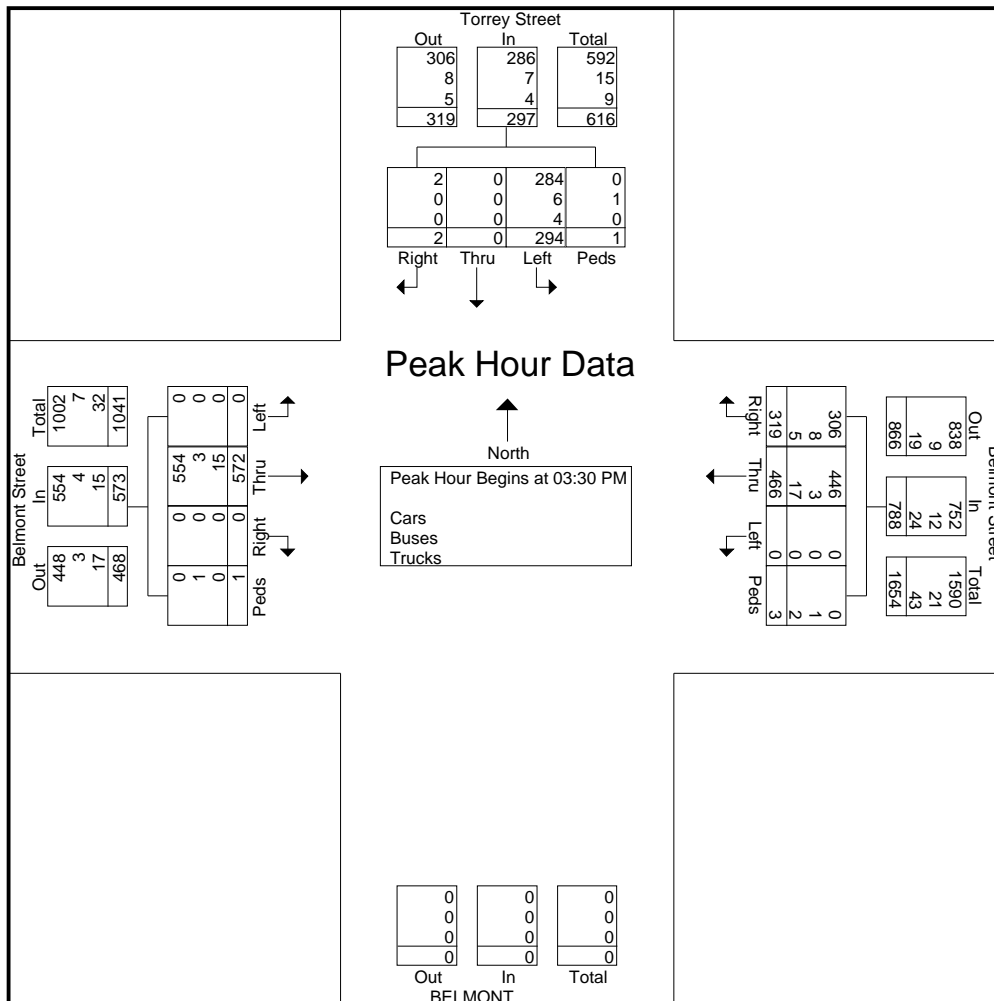


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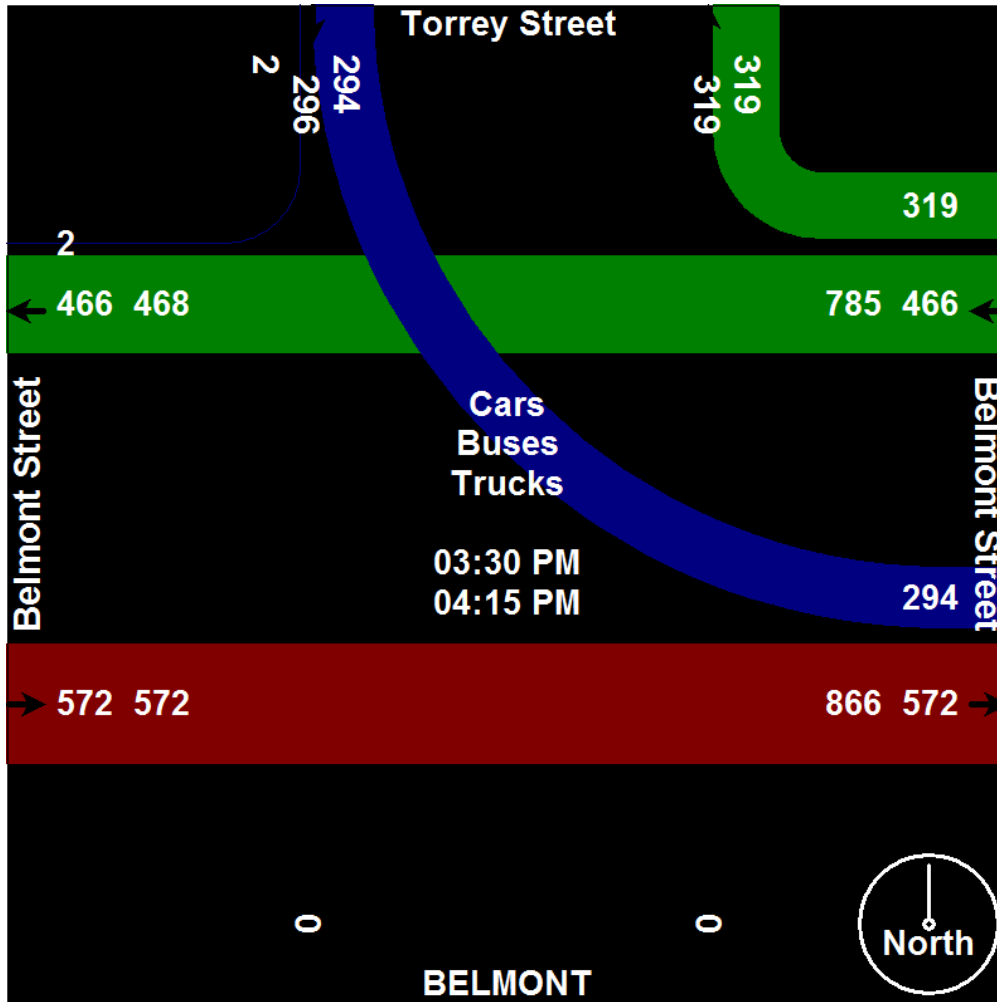


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File Name : Belmont Street @ Torrey Street\_PM  
Site Code : 44  
Start Date : 9/24/2013  
Page No : 7

Image 1



# Old Colony Planning Council

## Intersection Bicycle Directional Counting Field Sheet

Community: Brockton

Street: Belmont Street

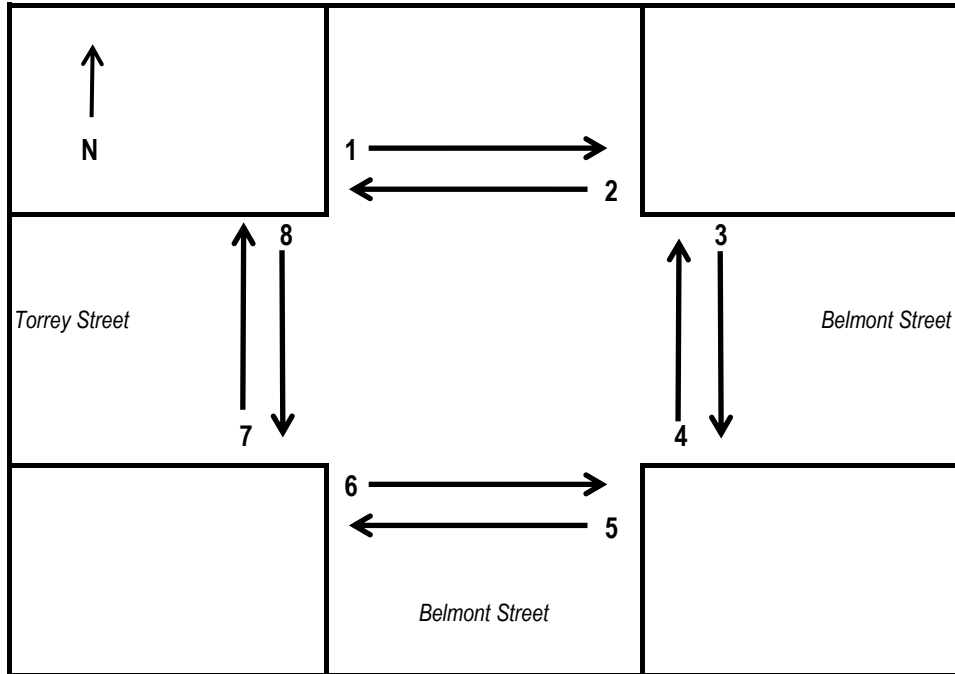
Location: @ Torrey Street

Weather: Clear

Board #: DB-400 (5)

Staff: AV

Date: 9/24/2013



Interval		1	2	3	4	5	6	7	8
1:30 PM - 1:45 PM	Bikes								
1:45 PM - 2:00 PM	Bikes								
2:00 PM - 2:15 PM	Bikes		1						
2:15 PM - 2:30 PM	Bikes								
2:30 PM - 2:45 PM	Bikes								
2:45 PM - 3:00 PM	Bikes								
3:00 PM - 3:15 PM	Bikes		1						
3:15 PM - 3:30 PM	Bikes		1						
3:30 PM - 3:45 PM	Bikes								
3:45 PM - 4:00 PM	Bikes								
4:00 PM - 4:15 PM	Bikes								
4:15 PM - 4:30 PM	Bikes								
4:30 PM - 4:45 PM	Bikes								
4:45 PM - 5:00 PM	Bikes								
5:00 PM - 5:15 PM	Bikes								
5:15 PM - 5:30 PM	Bikes								
5:30 PM - 5:45 PM	Bikes								
5:45 PM - 6:00 PM	Bikes								
<b>Total</b>	<b>Bikes</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Comments:

---



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 Board # & Staff: DB-400 (5) / AV  
 Traffic Control: Traffic Light

File Name : Belmont Street @ Torrey Street\_AM  
 Site Code : 44  
 Start Date : 9/24/2013  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	Torrey Street Southbound					Belmont Street Westbound					Belmont Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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		
07:00 AM	0	0	38	0	38	85	128	0	0	213	0	140	0	0	140	391
07:15 AM	0	0	55	0	55	63	83	0	0	146	0	154	0	0	154	355
07:30 AM	0	0	59	0	59	62	82	0	0	144	0	147	0	0	147	350
07:45 AM	0	0	65	0	65	61	74	0	0	135	0	133	0	0	133	333
Total	0	0	217	0	217	271	367	0	0	638	0	574	0	0	574	1429
08:00 AM	0	0	53	0	53	45	83	0	0	128	0	115	0	0	115	296
08:15 AM	0	0	57	0	57	58	72	0	0	130	0	117	0	0	117	304
08:30 AM	0	0	59	0	59	49	56	0	2	107	0	150	0	0	150	316
08:45 AM	0	0	69	0	69	73	87	0	0	160	0	143	0	0	143	372
Total	0	0	238	0	238	225	298	0	2	525	0	525	0	0	525	1288
Grand Total	0	0	455	0	455	496	665	0	2	1163	0	1099	0	0	1099	2717
Apprch %	0	0	100	0		42.6	57.2	0	0.2		0	100	0	0		
Total %	0	0	16.7	0	16.7	18.3	24.5	0	0.1	42.8	0	40.4	0	0	40.4	
Cars	0	0	428	0	428	468	623	0	0	1091	0	1036	0	0	1036	2555
% Cars	0	0	94.1	0	94.1	94.4	93.7	0	0	93.8	0	94.3	0	0	94.3	94
Buses	0	0	19	0	19	15	8	0	0	23	0	10	0	0	10	52
% Buses	0	0	4.2	0	4.2	3	1.2	0	0	2	0	0.9	0	0	0.9	1.9
Trucks	0	0	8	0	8	13	34	0	2	49	0	53	0	0	53	110
% Trucks	0	0	1.8	0	1.8	2.6	5.1	0	100	4.2	0	4.8	0	0	4.8	4

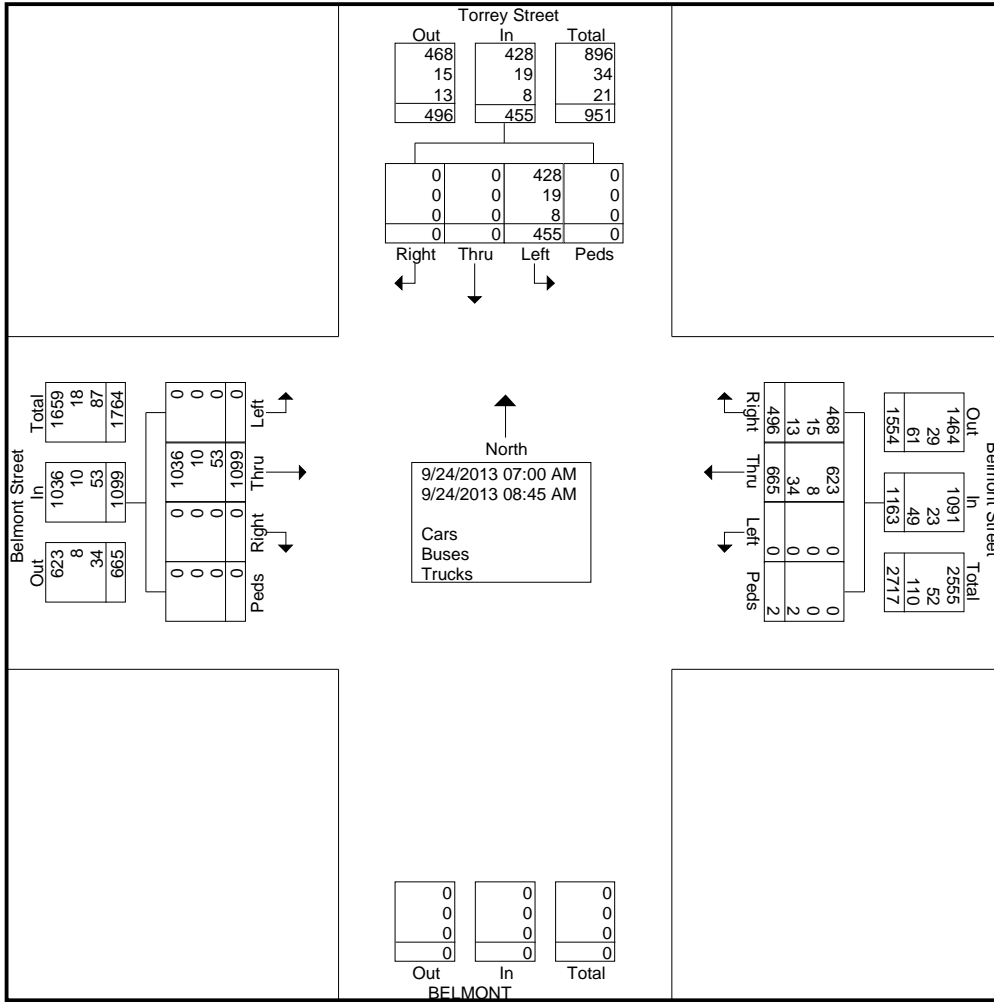


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File Name : Belmont Street @ Torrey Street\_AM  
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 Page No : 2



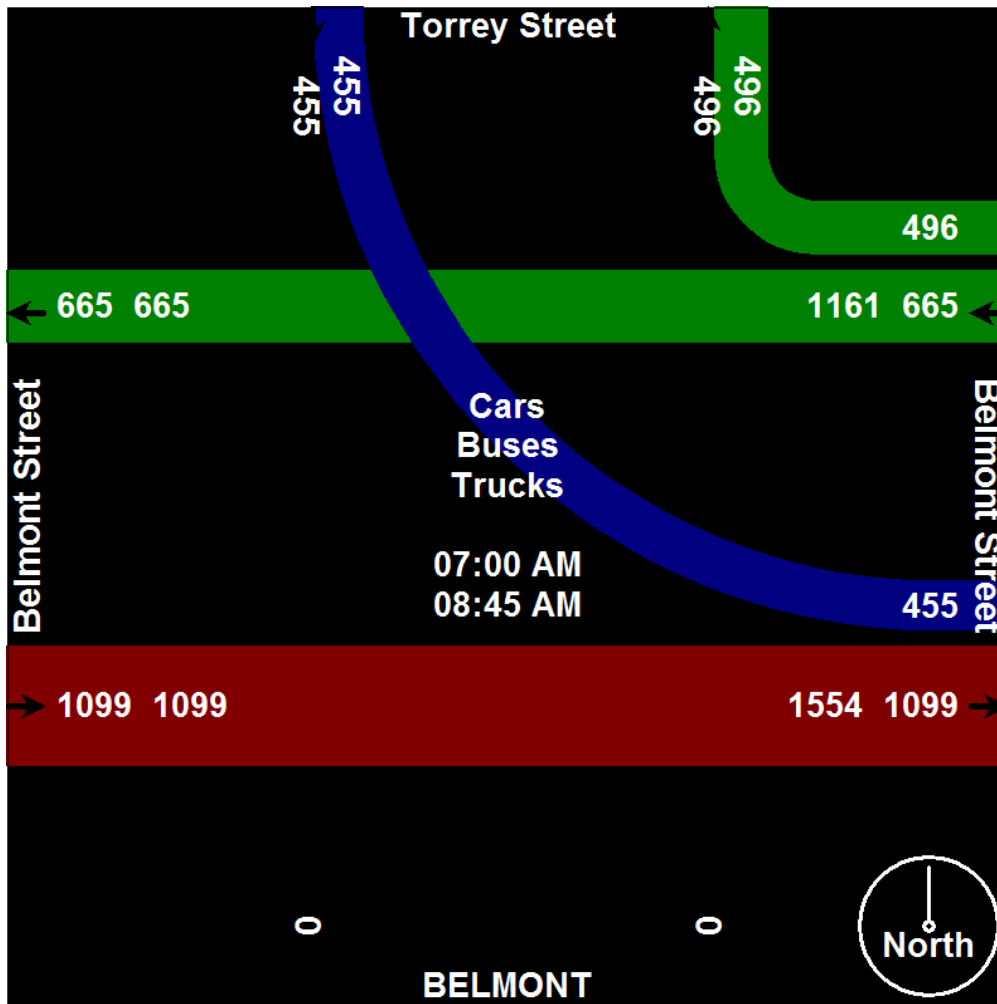


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 Page No : 4

Start Time	Torrey Street Southbound					Belmont Street Westbound					Belmont Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	0	0	38	0	38	85	128	0	0	213	0	140	0	0	140	391
07:15 AM	0	0	55	0	55	63	83	0	0	146	0	154	0	0	154	355
07:30 AM	0	0	59	0	59	62	82	0	0	144	0	147	0	0	147	350
07:45 AM	0	0	65	0	65	61	74	0	0	135	0	133	0	0	133	333
Total Volume	0	0	217	0	217	271	367	0	0	638	0	574	0	0	574	1429
% App. Total	0	0	100	0		42.5	57.5	0	0		0	100	0	0		
PHF	.000	.000	.835	.000	.835	.797	.717	.000	.000	.749	.000	.932	.000	.000	.932	.914
Cars	0	0	202	0	202	260	345	0	0	605	0	540	0	0	540	1347
% Cars	0	0	93.1	0	93.1	95.9	94.0	0	0	94.8	0	94.1	0	0	94.1	94.3
Buses	0	0	9	0	9	8	5	0	0	13	0	8	0	0	8	30
% Buses	0	0	4.1	0	4.1	3.0	1.4	0	0	2.0	0	1.4	0	0	1.4	2.1
Trucks	0	0	6	0	6	3	17	0	0	20	0	26	0	0	26	52
% Trucks	0	0	2.8	0	2.8	1.1	4.6	0	0	3.1	0	4.5	0	0	4.5	3.6

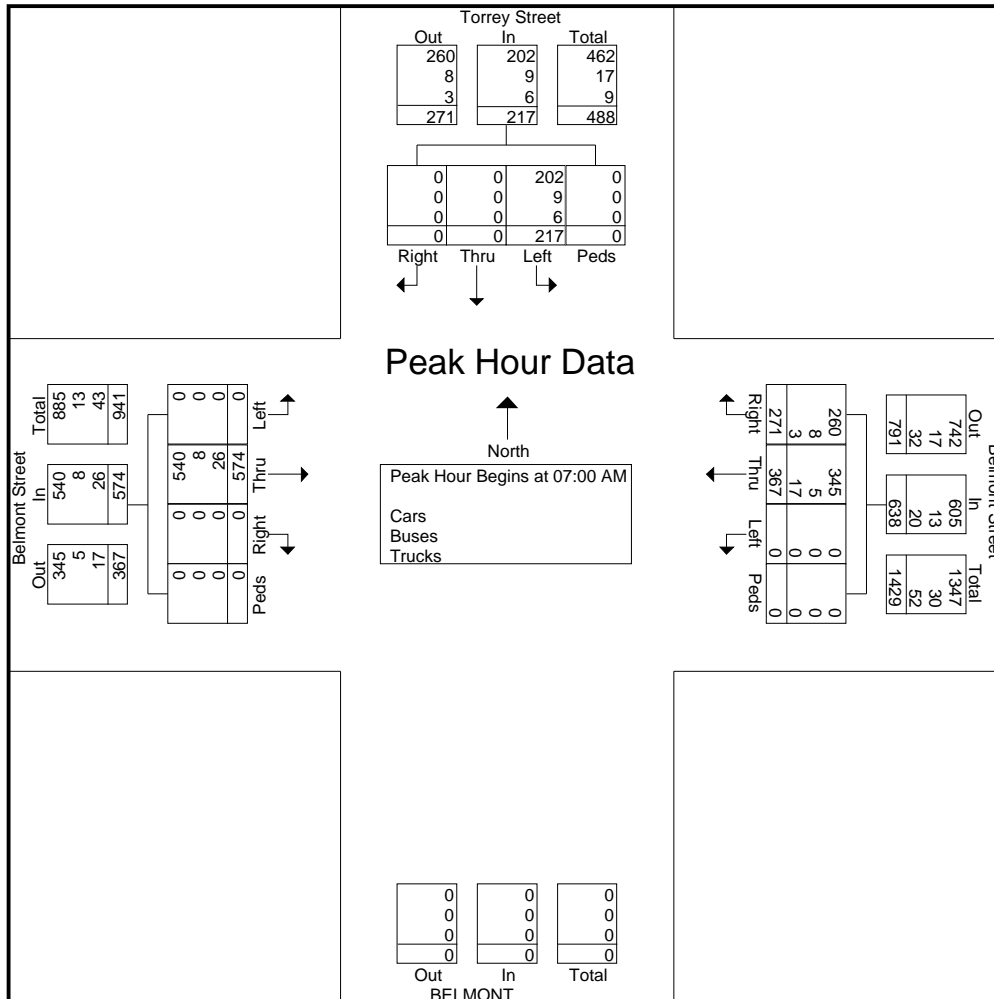


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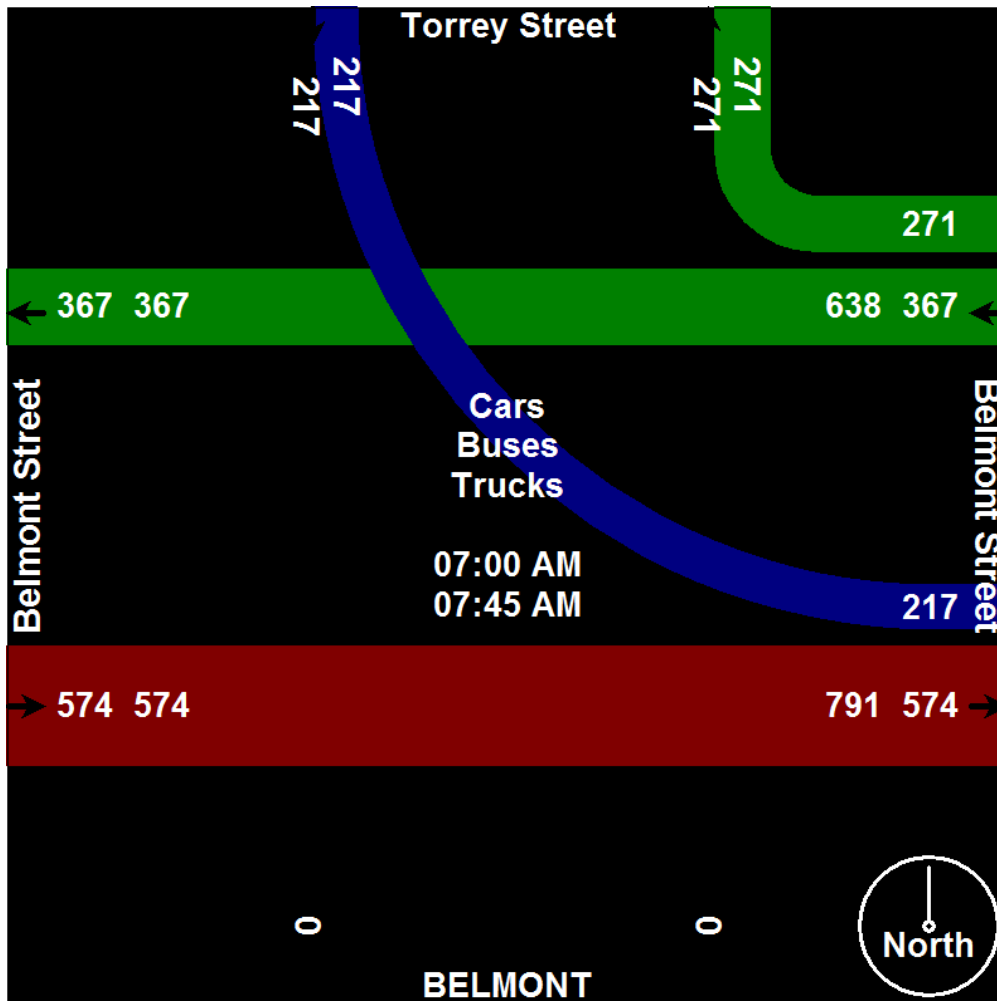


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File Name : Belmont Street @ Torrey Street\_AM  
Site Code : 44  
Start Date : 9/24/2013  
Page No : 6





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Community: Brockton  
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Traffic Control: Traffic Light

File Name : Belmont Street @ Torrey Street\_AM  
Site Code : 44  
Start Date : 9/24/2013  
Page No : 7

Image 1





PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133488 BB  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	10	2	12	0	18	113	1	0	0	6	35	0	52	133	14	0	396
01:45 PM	21	6	13	0	13	149	0	0	0	12	43	0	58	146	5	0	466
Total	31	8	25	0	31	262	1	0	0	18	78	0	110	279	19	0	862
02:00 PM	11	9	13	0	13	134	1	0	0	9	41	0	43	148	6	0	428
02:15 PM	8	6	8	0	9	136	0	0	1	9	44	1	42	155	17	0	436
02:30 PM	8	9	18	0	9	127	2	0	0	10	44	0	51	157	10	0	445
02:45 PM	11	12	8	0	10	130	0	0	1	12	51	0	62	119	12	0	428
Total	38	36	47	0	41	527	3	0	2	40	180	1	198	579	45	0	1737
03:00 PM	9	12	9	0	7	143	0	0	0	9	58	0	60	137	6	0	450
03:15 PM	7	12	4	0	12	149	0	0	0	10	41	0	59	146	11	0	451
03:30 PM	13	15	8	0	19	198	1	0	1	9	43	0	66	156	12	0	541
03:45 PM	6	11	4	0	8	154	0	0	1	12	48	0	80	131	7	0	462
Total	35	50	25	0	46	644	1	0	2	40	190	0	265	570	36	0	1904
04:00 PM	7	13	11	0	18	115	1	0	0	7	42	0	71	168	9	0	462
04:15 PM	5	10	6	0	13	138	1	0	0	12	37	0	76	169	2	0	469
04:30 PM	10	10	11	0	12	162	1	0	0	10	51	0	73	143	6	0	489
04:45 PM	8	12	7	0	4	163	0	0	2	9	36	0	59	143	8	0	451
Total	30	45	35	0	47	578	3	0	2	38	166	0	279	623	25	0	1871
05:00 PM	12	12	7	0	11	177	0	0	0	4	46	0	90	163	21	0	543
05:15 PM	17	9	15	0	7	166	1	0	0	7	55	0	59	141	6	0	483
05:30 PM	10	11	8	0	12	146	2	0	0	8	47	0	76	115	2	0	437
05:45 PM	5	16	17	0	11	118	0	0	0	12	45	0	62	139	10	0	435
Total	44	48	47	0	41	607	3	0	0	31	193	0	287	558	39	0	1898
Grand Total	178	187	179	0	206	2618	11	0	6	167	807	1	1139	2609	164	0	8272
Apprch %	32.7	34.4	32.9	0	7.3	92.3	0.4	0	0.6	17	82.3	0.1	29.1	66.7	4.2	0	
Total %	2.2	2.3	2.2	0	2.5	31.6	0.1	0	0.1	2	9.8	0	13.8	31.5	2	0	
Cars	176	185	177	0	203	2541	11	0	6	166	787	1	1108	2493	162	0	8016
% Cars	98.9	98.9	98.9	0	98.5	97.1	100	0	100	99.4	97.5	100	97.3	95.6	98.8	0	96.9
Heavy Vehicles	2	2	2	0	3	77	0	0	0	1	20	0	31	116	2	0	256
% Heavy Vehicles	1.1	1.1	1.1	0	1.5	2.9	0	0	0	0.6	2.5	0	2.7	4.4	1.2	0	3.1

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	21	6	13	0	40	13	149	0	0	162	0	12	43	0	55	58	146	5	0	209	466
02:00 PM	11	9	13	0	33	13	134	1	0	148	0	9	41	0	50	43	148	6	0	197	428
02:15 PM	8	6	8	0	22	9	136	0	0	145	1	9	44	1	55	42	155	17	0	214	436
02:30 PM	8	9	18	0	35	9	127	2	0	138	0	10	44	0	54	51	157	10	0	218	445
Total Volume	48	30	52	0	130	44	546	3	0	593	1	40	172	1	214	194	606	38	0	838	1775
% App. Total	36.9	23.1	40	0		7.4	92.1	0.5	0		0.5	18.7	80.4	0.5		23.2	72.3	4.5	0		
PHF	.571	.833	.722	.000	.813	.846	.916	.375	.000	.915	.250	.833	.977	.250	.973	.836	.965	.559	.000	.961	.952
Cars	47	29	52	0	128	43	525	3	0	571	1	40	165	1	207	185	554	38	0	777	1683
% Cars	97.9	96.7	100	0	98.5	97.7	96.2	100	0	96.3	100	100	95.9	100	96.7	95.4	91.4	100	0	92.7	94.8
Heavy Vehicles	1	1	0	0	2	1	21	0	0	22	0	0	7	0	7	9	52	0	0	61	92
% Heavy Vehicles	2.1	3.3	0	0	1.5	2.3	3.8	0	0	3.7	0	0	4.1	0	3.3	4.6	8.6	0	0	7.3	5.2



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File Name : 133488 BB  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	10	2	12	0	18	112	1	0	0	6	33	0	47	129	12	0	382
01:45 PM	21	6	13	0	12	141	0	0	0	12	36	0	55	127	5	0	428
Total	31	8	25	0	30	253	1	0	0	18	69	0	102	256	17	0	810
02:00 PM	10	8	13	0	13	126	1	0	0	9	41	0	42	130	6	0	399
02:15 PM	8	6	8	0	9	132	0	0	1	9	44	1	39	146	17	0	420
02:30 PM	8	9	18	0	9	126	2	0	0	10	44	0	49	151	10	0	436
02:45 PM	11	12	8	0	9	123	0	0	1	12	50	0	60	111	12	0	409
Total	37	35	47	0	40	507	3	0	2	40	179	1	190	538	45	0	1664
03:00 PM	9	12	9	0	6	141	0	0	0	9	56	0	58	129	6	0	435
03:15 PM	7	12	4	0	12	148	0	0	0	10	41	0	59	143	11	0	447
03:30 PM	13	15	8	0	19	190	1	0	1	9	40	0	63	153	12	0	524
03:45 PM	6	11	4	0	8	144	0	0	1	12	48	0	79	128	7	0	448
Total	35	50	25	0	45	623	1	0	2	40	185	0	259	553	36	0	1854
04:00 PM	7	13	11	0	18	110	1	0	0	7	42	0	71	161	9	0	450
04:15 PM	5	10	5	0	13	135	1	0	0	12	36	0	75	164	2	0	458
04:30 PM	9	10	11	0	12	160	1	0	0	10	51	0	73	141	6	0	484
04:45 PM	8	12	7	0	4	159	0	0	2	9	36	0	59	138	8	0	442
Total	29	45	34	0	47	564	3	0	2	38	165	0	278	604	25	0	1834
05:00 PM	12	11	7	0	11	173	0	0	0	4	44	0	88	158	21	0	529
05:15 PM	17	9	15	0	7	162	1	0	0	7	54	0	56	139	6	0	473
05:30 PM	10	11	8	0	12	142	2	0	0	8	47	0	75	111	2	0	428
05:45 PM	5	16	16	0	11	117	0	0	0	11	44	0	60	134	10	0	424
Total	44	47	46	0	41	594	3	0	0	30	189	0	279	542	39	0	1854
Grand Total	176	185	177	0	203	2541	11	0	6	166	787	1	1108	2493	162	0	8016
Apprch %	32.7	34.4	32.9	0	7.4	92.2	0.4	0	0.6	17.3	82	0.1	29.4	66.3	4.3	0	
Total %	2.2	2.3	2.2	0	2.5	31.7	0.1	0	0.1	2.1	9.8	0	13.8	31.1	2	0	

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
02:30 PM	8	9	18	0	35	9	126	2	0	137	0	10	44	0	54	49	151	10	0	210	436
02:45 PM	11	12	8	0	31	9	123	0	0	132	1	12	50	0	63	60	111	12	0	183	409
03:00 PM	9	12	9	0	30	6	141	0	0	147	0	9	56	0	65	58	129	6	0	193	435
03:15 PM	7	12	4	0	23	12	148	0	0	160	0	10	41	0	51	59	143	11	0	213	447
Total Volume	35	45	39	0	119	36	538	2	0	576	1	41	191	0	233	226	534	39	0	799	1727
% App. Total	29.4	37.8	32.8	0		6.2	93.4	0.3	0		0.4	17.6	82	0		28.3	66.8	4.9	0		
PHF	.795	.938	.542	.000	.850	.750	.909	.250	.000	.900	.250	.854	.853	.000	.896	.942	.884	.813	.000	.938	.966

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 02:30 PM



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INDUSTRIES, LLC

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File Name : 133488 BB  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	0	0	0	0	0	1	0	0	0	0	2	0	5	4	2	0	14
01:45 PM	0	0	0	0	1	8	0	0	0	0	7	0	3	19	0	0	38
Total	0	0	0	0	1	9	0	0	0	0	9	0	8	23	2	0	52
02:00 PM	1	1	0	0	0	8	0	0	0	0	0	0	1	18	0	0	29
02:15 PM	0	0	0	0	0	4	0	0	0	0	0	0	3	9	0	0	16
02:30 PM	0	0	0	0	0	1	0	0	0	0	0	0	2	6	0	0	9
02:45 PM	0	0	0	0	1	7	0	0	0	0	1	0	2	8	0	0	19
Total	1	1	0	0	1	20	0	0	0	0	1	0	8	41	0	0	73
03:00 PM	0	0	0	0	1	2	0	0	0	0	2	0	2	8	0	0	15
03:15 PM	0	0	0	0	0	1	0	0	0	0	0	0	0	3	0	0	4
03:30 PM	0	0	0	0	0	8	0	0	0	0	3	0	3	3	0	0	17
03:45 PM	0	0	0	0	0	10	0	0	0	0	0	0	1	3	0	0	14
Total	0	0	0	0	1	21	0	0	0	0	5	0	6	17	0	0	50
04:00 PM	0	0	0	0	0	5	0	0	0	0	0	0	0	7	0	0	12
04:15 PM	0	0	1	0	0	3	0	0	0	0	1	0	1	5	0	0	11
04:30 PM	1	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	5
04:45 PM	0	0	0	0	0	4	0	0	0	0	0	0	0	5	0	0	9
Total	1	0	1	0	0	14	0	0	0	0	1	0	1	19	0	0	37
05:00 PM	0	1	0	0	0	4	0	0	0	0	2	0	2	5	0	0	14
05:15 PM	0	0	0	0	0	4	0	0	0	0	1	0	3	2	0	0	10
05:30 PM	0	0	0	0	0	4	0	0	0	0	0	0	1	4	0	0	9
05:45 PM	0	0	1	0	0	1	0	0	0	1	1	0	2	5	0	0	11
Total	0	1	1	0	0	13	0	0	0	1	4	0	8	16	0	0	44
Grand Total	2	2	2	0	3	77	0	0	0	1	20	0	31	116	2	0	256
Apprch %	33.3	33.3	33.3	0	3.8	96.2	0	0	0	4.8	95.2	0	20.8	77.9	1.3	0	
Total %	0.8	0.8	0.8	0	1.2	30.1	0	0	0	0.4	7.8	0	12.1	45.3	0.8	0	

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	2	0	2	5	4	2	0	11	14
01:45 PM	0	0	0	0	0	1	8	0	0	9	0	0	7	0	7	3	19	0	0	22	38
02:00 PM	1	1	0	0	2	0	8	0	0	8	0	0	0	0	0	1	18	0	0	19	29
02:15 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	3	9	0	0	12	16
Total Volume	1	1	0	0	2	1	21	0	0	22	0	0	9	0	9	12	50	2	0	64	97
% App. Total	50	50	0	0		4.5	95.5	0	0		0	0	100	0		18.8	78.1	3.1	0		
PHF	.250	.250	.000	.000	.250	.250	.656	.000	.000	.611	.000	.000	.321	.000	.321	.600	.658	.250	.000	.727	.638

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:30 PM



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File Name : 133488 BB  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Peds and Bikes

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3
Total	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	3
02:00 PM	0	0	0	17	0	0	0	4	0	0	0	46	0	0	0	3	70
02:15 PM	0	0	0	20	0	0	0	12	0	0	0	14	1	0	0	8	55
02:30 PM	0	0	0	0	0	0	0	6	0	0	0	8	0	0	0	0	14
02:45 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Total	0	0	0	37	0	0	0	22	0	0	0	70	1	0	0	11	141
03:00 PM	0	0	0	2	0	0	0	3	0	0	0	2	0	0	0	0	7
03:15 PM	0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	0	6
03:30 PM	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	2
03:45 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	6	0	0	0	3	0	0	0	7	0	0	0	0	16
04:00 PM	0	0	0	4	0	0	0	0	0	0	0	1	0	0	0	0	5
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
04:45 PM	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	3
Total	0	0	0	4	0	0	0	2	0	0	0	3	0	1	0	0	10
05:00 PM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
05:30 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:45 PM	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0	0	5
Grand Total	0	0	0	49	0	0	0	31	0	0	0	82	1	1	0	11	175
Apprch %	0	0	0	100	0	0	0	100	0	0	0	100	7.7	7.7	0	84.6	
Total %	0	0	0	28	0	0	0	17.7	0	0	0	46.9	0.6	0.6	0	6.3	

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
01:45 PM	0	0	0	2	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
02:00 PM	0	0	0	17	17	0	0	0	4	4	0	0	0	46	46	0	0	0	3	3	70
02:15 PM	0	0	0	20	20	0	0	0	12	12	0	0	0	14	14	1	0	0	8	9	55
02:30 PM	0	0	0	0	0	0	0	0	6	6	0	0	0	8	8	0	0	0	0	0	14
Total Volume	0	0	0	39	39	0	0	0	23	23	0	0	0	68	68	1	0	0	11	12	142
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		8.3	0	0	91.7		
PHF	.000	.000	.000	.488	.488	.000	.000	.000	.479	.479	.000	.000	.000	.370	.370	.250	.000	.000	.344	.333	.507

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM



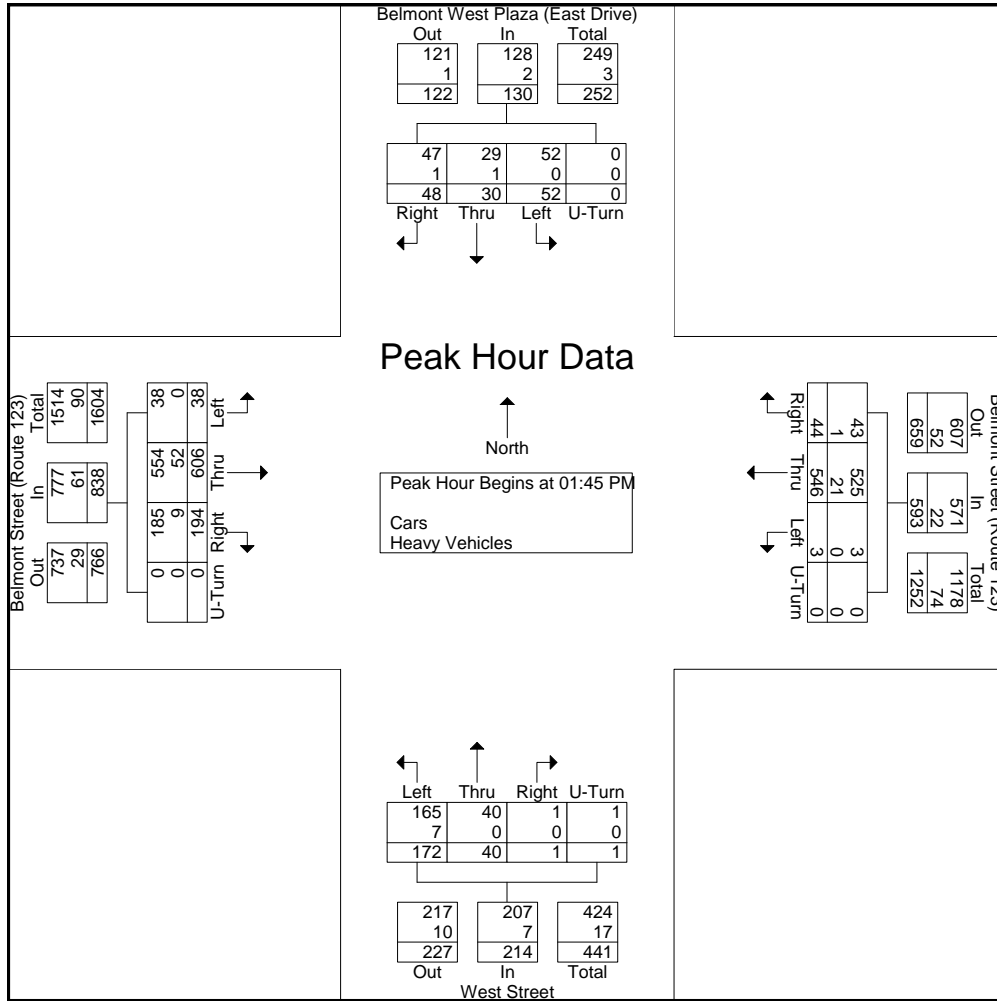
PRECISION  
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INDUSTRIES, LLC

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Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	21	6	13	0	40	13	149	0	0	162	0	12	43	0	55	58	146	5	0	209	466
02:00 PM	11	9	13	0	33	13	134	1	0	148	0	9	41	0	50	43	148	6	0	197	428
02:15 PM	8	6	8	0	22	9	136	0	0	145	1	9	44	1	55	42	155	17	0	214	436
02:30 PM	8	9	18	0	35	9	127	2	0	138	0	10	44	0	54	51	157	10	0	218	445
Total Volume	48	30	52	0	130	44	546	3	0	593	1	40	172	1	214	194	606	38	0	838	1775
% App. Total	36.9	23.1	40	0		7.4	92.1	0.5	0		0.5	18.7	80.4	0.5		23.2	72.3	4.5	0		
PHF	.571	.833	.722	.000	.813	.846	.916	.375	.000	.915	.250	.833	.977	.250	.973	.836	.965	.559	.000	.961	.952
Cars	47	29	52	0	128	43	525	3	0	571	1	40	165	1	207	185	554	38	0	777	1683
% Cars	97.9	96.7	100	0	98.5	97.7	96.2	100	0	96.3	100	100	95.9	100	96.7	95.4	91.4	100	0	92.7	94.8
Heavy Vehicles	1	1	0	0	2	1	21	0	0	22	0	0	7	0	7	9	52	0	0	61	92
% Heavy Vehicles	2.1	3.3	0	0	1.5	2.3	3.8	0	0	3.7	0	0	4.1	0	3.3	4.6	8.6	0	0	7.3	5.2





PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

File Name : 133488 B  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	12	4	3	0	1	139	0	0	1	5	17	0	32	133	3	0	350
07:15 AM	2	5	6	0	4	103	0	0	1	3	38	0	27	164	6	0	359
07:30 AM	1	1	2	0	5	111	0	0	0	1	38	0	32	161	2	0	354
07:45 AM	1	2	1	0	3	96	0	0	0	3	42	0	31	160	3	0	342
Total	16	12	12	0	13	449	0	0	2	12	135	0	122	618	14	0	1405
08:00 AM	2	0	4	0	1	117	1	0	0	4	41	0	31	153	4	0	358
08:15 AM	2	6	3	0	4	85	0	0	1	5	43	0	48	155	5	0	357
08:30 AM	1	0	4	0	2	83	0	0	0	4	43	0	42	181	4	0	364
08:45 AM	1	4	3	0	4	111	0	0	0	1	42	0	53	160	2	0	381
Total	6	10	14	0	11	396	1	0	1	14	169	0	174	649	15	0	1460
Grand Total	22	22	26	0	24	845	1	0	3	26	304	0	296	1267	29	0	2865
Apprch %	31.4	31.4	37.1	0	2.8	97.1	0.1	0	0.9	7.8	91.3	0	18.6	79.6	1.8	0	
Total %	0.8	0.8	0.9	0	0.8	29.5	0	0	0.1	0.9	10.6	0	10.3	44.2	1	0	
Cars	22	20	23	0	23	794	1	0	3	23	295	0	277	1188	26	0	2695
% Cars	100	90.9	88.5	0	95.8	94	100	0	100	88.5	97	0	93.6	93.8	89.7	0	94.1
Heavy Vehicles	0	2	3	0	1	51	0	0	0	3	9	0	19	79	3	0	170
% Heavy Vehicles	0	9.1	11.5	0	4.2	6	0	0	0	11.5	3	0	6.4	6.2	10.3	0	5.9

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	2	0	4	0	6	1	117	1	0	119	0	4	41	0	45	31	153	4	0	188	358
08:15 AM	2	6	3	0	11	4	85	0	0	89	1	5	43	0	49	48	155	5	0	208	357
08:30 AM	1	0	4	0	5	2	83	0	0	85	0	4	43	0	47	42	181	4	0	227	364
08:45 AM	1	4	3	0	8	4	111	0	0	115	0	1	42	0	43	53	160	2	0	215	381
Total Volume	6	10	14	0	30	11	396	1	0	408	1	14	169	0	184	174	649	15	0	838	1460
% App. Total	20	33.3	46.7	0		2.7	97.1	0.2	0		0.5	7.6	91.8	0		20.8	77.4	1.8	0		
PHF	.750	.417	.875	.000	.682	.688	.846	.250	.000	.857	.250	.700	.983	.000	.939	.821	.896	.750	.000	.923	.958
Cars	6	10	13	0	29	10	375	1	0	386	1	13	166	0	180	162	611	12	0	785	1380
% Cars	100	100	92.9	0	96.7	90.9	94.7	100	0	94.6	100	92.9	98.2	0	97.8	93.1	94.1	80.0	0	93.7	94.5
Heavy Vehicles	0	0	1	0	1	1	21	0	0	22	0	1	3	0	4	12	38	3	0	53	80
% Heavy Vehicles	0	0	7.1	0	3.3	9.1	5.3	0	0	5.4	0	7.1	1.8	0	2.2	6.9	5.9	20.0	0	6.3	5.5





PRECISION  
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INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdilc.com

File Name : 133488 B  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	12	4	3	0	1	127	0	0	1	5	15	0	31	113	3	0	315
07:15 AM	2	3	4	0	4	98	0	0	1	1	36	0	24	159	6	0	338
07:30 AM	1	1	2	0	5	104	0	0	0	1	37	0	29	154	2	0	336
07:45 AM	1	2	1	0	3	90	0	0	0	3	41	0	31	151	3	0	326
Total	16	10	10	0	13	419	0	0	2	10	129	0	115	577	14	0	1315
08:00 AM	2	0	4	0	1	112	1	0	0	3	39	0	28	145	3	0	338
08:15 AM	2	6	2	0	3	77	0	0	1	5	43	0	47	144	3	0	333
08:30 AM	1	0	4	0	2	79	0	0	0	4	42	0	37	167	4	0	340
08:45 AM	1	4	3	0	4	107	0	0	0	1	42	0	50	155	2	0	369
Total	6	10	13	0	10	375	1	0	1	13	166	0	162	611	12	0	1380
Grand Total	22	20	23	0	23	794	1	0	3	23	295	0	277	1188	26	0	2695
Apprch %	33.8	30.8	35.4	0	2.8	97.1	0.1	0	0.9	7.2	91.9	0	18.6	79.7	1.7	0	
Total %	0.8	0.7	0.9	0	0.9	29.5	0	0	0.1	0.9	10.9	0	10.3	44.1	1	0	

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	2	0	4	0	6	1	112	1	0	114	0	3	39	0	42	28	145	3	0	176	338
08:15 AM	2	6	2	0	10	3	77	0	0	80	1	5	43	0	49	47	144	3	0	194	333
08:30 AM	1	0	4	0	5	2	79	0	0	81	0	4	42	0	46	37	167	4	0	208	340
08:45 AM	1	4	3	0	8	4	107	0	0	111	0	1	42	0	43	50	155	2	0	207	369
Total Volume	6	10	13	0	29	10	375	1	0	386	1	13	166	0	180	162	611	12	0	785	1380
% App. Total	20.7	34.5	44.8	0		2.6	97.2	0.3	0		0.6	7.2	92.2	0		20.6	77.8	1.5	0		
PHF	.750	.417	.813	.000	.725	.625	.837	.250	.000	.846	.250	.650	.965	.000	.918	.810	.915	.750	.000	.944	.935



PRECISION  
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INDUSTRIES, LLC

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Page No : 1

N/S: Belmont West/ West Street  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	Belmont West Plaza (East Drive) From North				Belmont Street (Route 123) From East				West Street From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	0	0	0	0	0	12	0	0	0	0	2	0	1	20	0	0	35
07:15 AM	0	2	2	0	0	5	0	0	0	2	2	0	3	5	0	0	21
07:30 AM	0	0	0	0	0	7	0	0	0	0	1	0	3	7	0	0	18
07:45 AM	0	0	0	0	0	6	0	0	0	0	1	0	0	9	0	0	16
Total	0	2	2	0	0	30	0	0	0	2	6	0	7	41	0	0	90
08:00 AM	0	0	0	0	0	5	0	0	0	1	2	0	3	8	1	0	20
08:15 AM	0	0	1	0	1	8	0	0	0	0	0	0	1	11	2	0	24
08:30 AM	0	0	0	0	0	4	0	0	0	0	1	0	5	14	0	0	24
08:45 AM	0	0	0	0	0	4	0	0	0	0	0	0	3	5	0	0	12
Total	0	0	1	0	1	21	0	0	0	1	3	0	12	38	3	0	80
Grand Total	0	2	3	0	1	51	0	0	0	3	9	0	19	79	3	0	170
Apprch %	0	40	60	0	1.9	98.1	0	0	0	25	75	0	18.8	78.2	3	0	
Total %	0	1.2	1.8	0	0.6	30	0	0	0	1.8	5.3	0	11.2	46.5	1.8	0	

Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	0	0	0	0	0	0	12	0	0	12	0	0	2	0	2	1	20	0	0	21	35
07:15 AM	0	2	2	0	4	0	5	0	0	5	0	2	2	0	4	3	5	0	0	8	21
07:30 AM	0	0	0	0	0	0	7	0	0	7	0	0	1	0	1	3	7	0	0	10	18
07:45 AM	0	0	0	0	0	0	6	0	0	6	0	0	1	0	1	0	9	0	0	9	16
Total Volume	0	2	2	0	4	0	30	0	0	30	0	2	6	0	8	7	41	0	0	48	90
% App. Total	0	50	50	0		0	100	0	0		0	25	75	0		14.6	85.4	0	0		
PHF	.000	.250	.250	.000	.250	.000	.625	.000	.000	.625	.000	.250	.750	.000	.500	.583	.513	.000	.000	.571	.643





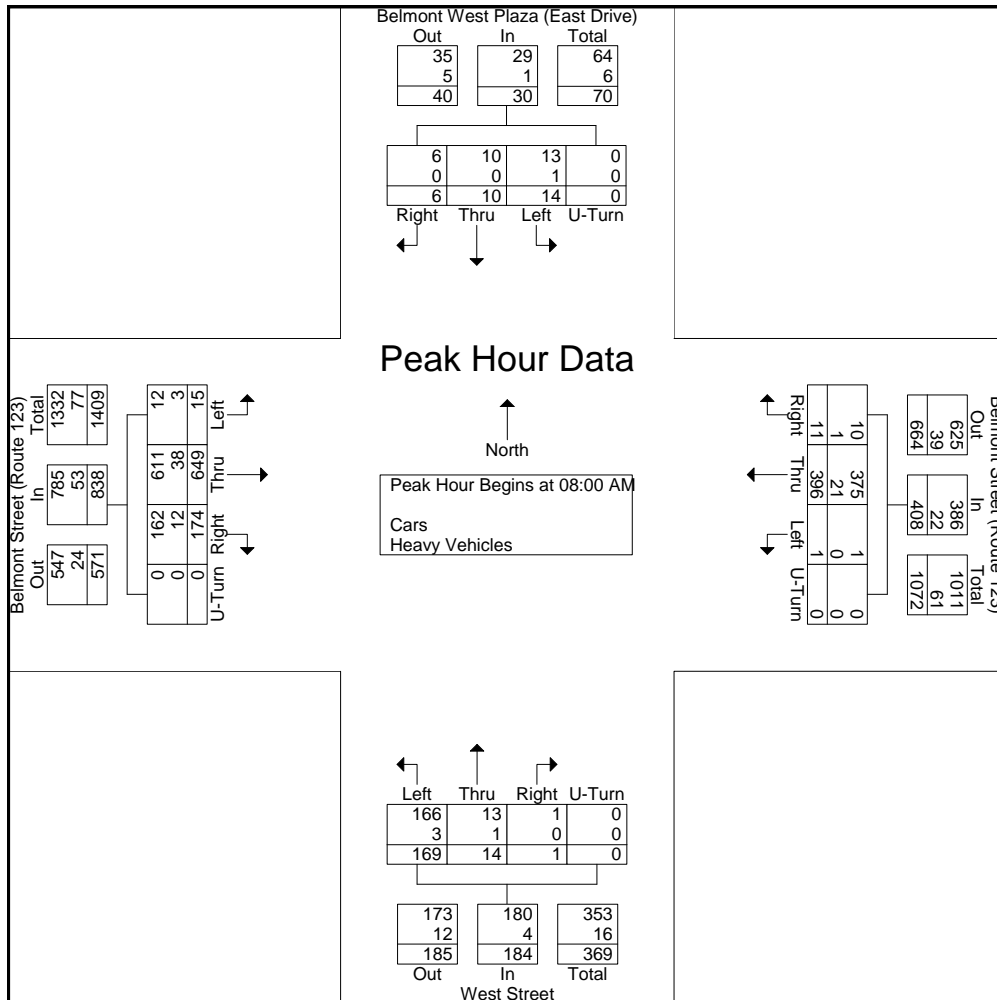
PRECISION  
D A T A  
INDUSTRIES, LLC

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N/S: Belmont West/ West Street  
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City, State: Brockton, MA  
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Start Time	Belmont West Plaza (East Drive) From North					Belmont Street (Route 123) From East					West Street From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	2	0	4	0	6	1	117	1	0	119	0	4	41	0	45	31	153	4	0	188	358
08:15 AM	2	6	3	0	11	4	85	0	0	89	1	5	43	0	49	48	155	5	0	208	357
08:30 AM	1	0	4	0	5	2	83	0	0	85	0	4	43	0	47	42	181	4	0	227	364
08:45 AM	1	4	3	0	8	4	111	0	0	115	0	1	42	0	43	53	160	2	0	215	381
Total Volume	6	10	14	0	30	11	396	1	0	408	1	14	169	0	184	174	649	15	0	838	1460
% App. Total	20	33.3	46.7	0		2.7	97.1	0.2	0		0.5	7.6	91.8	0		20.8	77.4	1.8	0		
PHF	.750	.417	.875	.000	.682	.688	.846	.250	.000	.857	.250	.700	.983	.000	.939	.821	.896	.750	.000	.923	.958
Cars	6	10	13	0	29	10	375	1	0	386	1	13	166	0	180	162	611	12	0	785	1380
% Cars	100	100	92.9	0	96.7	90.9	94.7	100	0	94.6	100	92.9	98.2	0	97.8	93.1	94.1	80.0	0	93.7	94.5
Heavy Vehicles	0	0	1	0	1	1	21	0	0	22	0	1	3	0	4	12	38	3	0	53	80
% Heavy Vehicles	0	0	7.1	0	3.3	9.1	5.3	0	0	5.4	0	7.1	1.8	0	2.2	6.9	5.9	20.0	0	6.3	5.5





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INDUSTRIES, LLC

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File Name : 133488 AA  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Cars - Heavy Vehicles

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	10	4	10	0	5	141	6	0	19	1	1	0	9	171	12	0	389
01:45 PM	7	6	11	0	7	174	29	0	25	0	17	0	24	173	23	0	496
Total	17	10	21	0	12	315	35	0	44	1	18	0	33	344	35	0	885
02:00 PM	16	0	9	0	5	164	12	0	53	0	52	0	10	144	16	0	481
02:15 PM	11	2	12	0	5	179	6	0	27	0	42	0	4	172	19	0	479
02:30 PM	10	1	18	0	5	178	3	0	13	2	40	0	5	190	17	0	482
02:45 PM	12	6	12	0	4	165	11	0	14	2	33	0	14	168	20	0	461
Total	49	9	51	0	19	686	32	0	107	4	167	0	33	674	72	0	1903
03:00 PM	15	1	14	0	8	200	6	0	12	0	18	0	11	182	10	0	477
03:15 PM	10	1	7	0	15	172	12	0	6	1	20	0	8	200	11	0	463
03:30 PM	15	1	13	0	5	250	7	0	9	0	13	0	10	213	11	0	547
03:45 PM	10	2	17	0	6	198	8	0	4	1	12	0	4	197	21	0	480
Total	50	5	51	0	34	820	33	0	31	2	63	0	33	792	53	0	1967
04:00 PM	18	1	12	0	5	176	5	0	8	1	13	0	6	229	9	0	483
04:15 PM	12	2	17	0	7	171	10	0	20	4	8	0	11	208	14	0	484
04:30 PM	6	3	19	0	2	213	3	0	13	6	11	0	8	192	17	0	493
04:45 PM	11	5	18	0	1	192	9	0	4	0	14	0	11	198	21	0	484
Total	47	11	66	0	15	752	27	0	45	11	46	0	36	827	61	0	1944
05:00 PM	12	2	14	0	9	210	10	0	25	0	23	0	23	245	21	0	594
05:15 PM	11	2	9	0	15	211	14	0	21	1	19	0	5	174	10	0	492
05:30 PM	16	1	16	1	11	186	9	0	17	3	17	0	11	161	14	0	463
05:45 PM	10	3	8	0	7	160	5	0	0	0	6	0	9	210	20	0	438
Total	49	8	47	1	42	767	38	0	63	4	65	0	48	790	65	0	1987
Grand Total	212	43	236	1	122	3340	165	0	290	22	359	0	183	3427	286	0	8686
Apprch %	43.1	8.7	48	0.2	3.4	92.1	4.5	0	43.2	3.3	53.5	0	4.7	88	7.3	0	
Total %	2.4	0.5	2.7	0	1.4	38.5	1.9	0	3.3	0.3	4.1	0	2.1	39.5	3.3	0	
Cars	201	40	231	1	122	3248	152	0	254	21	345	0	171	3316	281	0	8383
% Cars	94.8	93	97.9	100	100	97.2	92.1	0	87.6	95.5	96.1	0	93.4	96.8	98.3	0	96.5
Heavy Vehicles	11	3	5	0	0	92	13	0	36	1	14	0	12	111	5	0	303
% Heavy Vehicles	5.2	7	2.1	0	0	2.8	7.9	0	12.4	4.5	3.9	0	6.6	3.2	1.7	0	3.5

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:45 PM	7	6	11	0	24	7	174	29	0	210	25	0	17	0	42	24	173	23	0	220	496
02:00 PM	16	0	9	0	25	5	164	12	0	181	53	0	52	0	105	10	144	16	0	170	481
02:15 PM	11	2	12	0	25	5	179	6	0	190	27	0	42	0	69	4	172	19	0	195	479
02:30 PM	10	1	18	0	29	5	178	3	0	186	13	2	40	0	55	5	190	17	0	212	482
Total Volume	44	9	50	0	103	22	695	50	0	767	118	2	151	0	271	43	679	75	0	797	1938
% App. Total	42.7	8.7	48.5	0		2.9	90.6	6.5	0		43.5	0.7	55.7	0		5.4	85.2	9.4	0		
PHF	.688	.375	.694	.000	.888	.786	.971	.431	.000	.913	.557	.250	.726	.000	.645	.448	.893	.815	.000	.906	.977
Cars	42	9	45	0	96	22	670	41	0	733	88	2	143	0	233	38	652	72	0	762	1824
% Cars	95.5	100	90.0	0	93.2	100	96.4	82.0	0	95.6	74.6	100	94.7	0	86.0	88.4	96.0	96.0	0	95.6	94.1
Heavy Vehicles	2	0	5	0	7	0	25	9	0	34	30	0	8	0	38	5	27	3	0	35	114
% Heavy Vehicles	4.5	0	10.0	0	6.8	0	3.6	18.0	0	4.4	25.4	0	5.3	0	14.0	11.6	4.0	4.0	0	4.4	5.9

Peak Hour for Entire Intersection Begins at 01:45 PM

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1



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File Name : 133488 AA  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
01:30 PM	9	4	10	0	5	139	6	0	19	1	1	0	8	161	12	0	375
01:45 PM	7	6	11	0	7	166	21	0	10	0	14	0	20	166	22	0	450
Total	16	10	21	0	12	305	27	0	29	1	15	0	28	327	34	0	825
02:00 PM	15	0	6	0	5	156	12	0	39	0	49	0	10	139	16	0	447
02:15 PM	11	2	12	0	5	173	6	0	27	0	42	0	4	162	19	0	463
02:30 PM	9	1	16	0	5	175	2	0	12	2	38	0	4	185	15	0	464
02:45 PM	11	5	12	0	4	159	11	0	13	2	32	0	13	159	20	0	441
Total	46	8	46	0	19	663	31	0	91	4	161	0	31	645	70	0	1815
03:00 PM	14	1	14	0	8	194	6	0	12	0	18	0	9	172	10	0	458
03:15 PM	10	1	7	0	15	171	12	0	6	1	18	0	7	196	11	0	455
03:30 PM	14	1	13	0	5	239	7	0	9	0	13	0	10	207	11	0	529
03:45 PM	9	2	17	0	6	190	5	0	3	1	12	0	3	194	21	0	463
Total	47	5	51	0	34	794	30	0	30	2	61	0	29	769	53	0	1905
04:00 PM	18	1	12	0	5	171	4	0	5	1	12	0	6	227	9	0	471
04:15 PM	11	2	17	0	7	167	10	0	20	4	8	0	11	200	13	0	470
04:30 PM	5	3	19	0	2	209	3	0	13	5	11	0	7	190	17	0	484
04:45 PM	11	4	18	0	1	188	9	0	4	0	14	0	11	193	20	0	473
Total	45	10	66	0	15	735	26	0	42	10	45	0	35	810	59	0	1898
05:00 PM	12	1	14	0	9	205	10	0	25	0	23	0	23	237	21	0	580
05:15 PM	10	2	9	0	15	205	14	0	21	1	18	0	5	170	10	0	480
05:30 PM	16	1	16	1	11	183	9	0	16	3	16	0	11	156	14	0	453
05:45 PM	9	3	8	0	7	158	5	0	0	0	6	0	9	202	20	0	427
Total	47	7	47	1	42	751	38	0	62	4	63	0	48	765	65	0	1940
Grand Total	201	40	231	1	122	3248	152	0	254	21	345	0	171	3316	281	0	8383
Apprch %	42.5	8.5	48.8	0.2	3.5	92.2	4.3	0	41	3.4	55.6	0	4.5	88	7.5	0	
Total %	2.4	0.5	2.8	0	1.5	38.7	1.8	0	3	0.3	4.1	0	2	39.6	3.4	0	

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
02:15 PM	11	2	12	0	25	5	173	6	0	184	27	0	42	0	69	4	162	19	0	185	463
02:30 PM	9	1	16	0	26	5	175	2	0	182	12	2	38	0	52	4	185	15	0	204	464
02:45 PM	11	5	12	0	28	4	159	11	0	174	13	2	32	0	47	13	159	20	0	192	441
03:00 PM	14	1	14	0	29	8	194	6	0	208	12	0	18	0	30	9	172	10	0	191	458
Total Volume	45	9	54	0	108	22	701	25	0	748	64	4	130	0	198	30	678	64	0	772	1826
% App. Total	41.7	8.3	50	0		2.9	93.7	3.3	0		32.3	2	65.7	0		3.9	87.8	8.3	0		
PHF	.804	.450	.844	.000	.931	.688	.903	.568	.000	.899	.593	.500	.774	.000	.717	.577	.916	.800	.000	.946	.984

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 02:15 PM



PRECISION  
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INDUSTRIES, LLC

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File Name : 133488 AA  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Heavy Vehicles

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total	
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn		
01:30 PM	1	0	0	0	0	2	0	0	0	0	0	0	0	1	10	0	0	14
01:45 PM	0	0	0	0	0	8	8	0	0	15	0	3	0	4	7	1	0	46
Total	1	0	0	0	0	10	8	0	0	15	0	3	0	5	17	1	0	60
02:00 PM	1	0	3	0	0	8	0	0	0	14	0	3	0	0	5	0	0	34
02:15 PM	0	0	0	0	0	6	0	0	0	0	0	0	0	0	10	0	0	16
02:30 PM	1	0	2	0	0	3	1	0	0	1	0	2	0	1	5	2	0	18
02:45 PM	1	1	0	0	0	6	0	0	0	1	0	1	0	1	9	0	0	20
Total	3	1	5	0	0	23	1	0	0	16	0	6	0	2	29	2	0	88
03:00 PM	1	0	0	0	0	6	0	0	0	0	0	0	0	2	10	0	0	19
03:15 PM	0	0	0	0	0	1	0	0	0	0	0	2	0	1	4	0	0	8
03:30 PM	1	0	0	0	0	11	0	0	0	0	0	0	0	0	6	0	0	18
03:45 PM	1	0	0	0	0	8	3	0	0	1	0	0	0	1	3	0	0	17
Total	3	0	0	0	0	26	3	0	0	1	0	2	0	4	23	0	0	62
04:00 PM	0	0	0	0	0	5	1	0	0	3	0	1	0	0	2	0	0	12
04:15 PM	1	0	0	0	0	4	0	0	0	0	0	0	0	0	8	1	0	14
04:30 PM	1	0	0	0	0	4	0	0	0	0	1	0	0	1	2	0	0	9
04:45 PM	0	1	0	0	0	4	0	0	0	0	0	0	0	0	5	1	0	11
Total	2	1	0	0	0	17	1	0	0	3	1	1	0	1	17	2	0	46
05:00 PM	0	1	0	0	0	5	0	0	0	0	0	0	0	0	8	0	0	14
05:15 PM	1	0	0	0	0	6	0	0	0	0	0	1	0	0	4	0	0	12
05:30 PM	0	0	0	0	0	3	0	0	0	1	0	1	0	0	5	0	0	10
05:45 PM	1	0	0	0	0	2	0	0	0	0	0	0	0	0	8	0	0	11
Total	2	1	0	0	0	16	0	0	0	1	0	2	0	0	25	0	0	47
Grand Total	11	3	5	0	0	92	13	0	0	36	1	14	0	12	111	5	0	303
Apprch %	57.9	15.8	26.3	0	0	87.6	12.4	0	0	70.6	2	27.5	0	9.4	86.7	3.9	0	
Total %	3.6	1	1.7	0	0	30.4	4.3	0	0	11.9	0.3	4.6	0	4	36.6	1.7	0	

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
01:45 PM	0	0	0	0	0	0	8	8	0	16	15	0	3	0	18	4	7	1	0	12	46
02:00 PM	1	0	3	0	4	0	8	0	0	8	14	0	3	0	17	0	5	0	0	5	34
02:15 PM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	10	0	0	10	16
02:30 PM	1	0	2	0	3	0	3	1	0	4	1	0	2	0	3	1	5	2	0	8	18
Total Volume	2	0	5	0	7	0	25	9	0	34	30	0	8	0	38	5	27	3	0	35	114
% App. Total	28.6	0	71.4	0		0	73.5	26.5	0		78.9	0	21.1	0		14.3	77.1	8.6	0		
PHF	.500	.000	.417	.000	.438	.000	.781	.281	.000	.531	.500	.000	.667	.000	.528	.313	.675	.375	.000	.729	.620

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM



PRECISION  
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INDUSTRIES, LLC

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File Name : 133488 AA  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Groups Printed- Peds and Bikes

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
01:30 PM	0	0	0	0	0	2	0	6	0	0	0	2	0	0	0	0	10
01:45 PM	0	0	0	7	0	0	0	34	0	0	0	2	0	0	0	0	43
Total	0	0	0	7	0	2	0	40	0	0	0	4	0	0	0	0	53
02:00 PM	0	0	0	85	0	0	0	195	0	0	0	2	0	0	0	1	283
02:15 PM	0	0	0	43	0	0	0	62	0	0	0	1	0	0	0	2	108
02:30 PM	0	0	0	29	0	0	0	36	0	0	0	1	0	0	0	0	66
02:45 PM	0	0	0	15	0	0	0	20	0	0	0	0	0	0	0	0	35
Total	0	0	0	172	0	0	0	313	0	0	0	4	0	0	0	3	492
03:00 PM	0	0	0	11	0	0	0	6	0	0	0	3	0	0	0	5	25
03:15 PM	0	0	0	30	0	0	0	27	0	0	0	4	0	0	0	0	61
03:30 PM	0	0	0	18	0	0	0	12	0	0	0	2	0	0	0	0	32
03:45 PM	0	0	0	5	0	0	0	4	0	0	0	1	0	0	0	0	10
Total	0	0	0	64	0	0	0	49	0	0	0	10	0	0	0	5	128
04:00 PM	0	0	0	7	0	0	0	4	0	0	0	0	0	0	0	0	11
04:15 PM	0	0	0	20	0	0	0	14	0	0	0	0	0	0	0	2	36
04:30 PM	0	0	0	17	0	1	0	33	0	0	0	0	0	0	0	0	51
04:45 PM	0	0	0	30	0	0	0	32	0	0	0	1	0	0	0	0	63
Total	0	0	0	74	0	1	0	83	0	0	0	1	0	0	0	2	161
05:00 PM	0	1	0	25	0	0	0	44	0	0	0	0	0	0	0	0	70
05:15 PM	0	0	0	21	0	0	0	30	0	0	0	6	0	0	0	2	59
05:30 PM	0	0	0	13	0	0	0	31	0	0	0	0	0	0	0	0	44
05:45 PM	0	0	0	5	0	0	0	8	0	0	0	0	0	0	0	0	13
Total	0	1	0	64	0	0	0	113	0	0	0	6	0	0	0	2	186
Grand Total	0	1	0	381	0	3	0	598	0	0	0	25	0	0	0	12	1020
Apprch %	0	0.3	0	99.7	0	0.5	0	99.5	0	0	0	100	0	0	0	100	
Total %	0	0.1	0	37.4	0	0.3	0	58.6	0	0	0	2.5	0	0	0	1.2	

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
01:45 PM	0	0	0	7	7	0	0	0	34	34	0	0	0	2	2	0	0	0	0	0	43
02:00 PM	0	0	0	85	85	0	0	0	195	195	0	0	0	2	2	0	0	0	1	1	283
02:15 PM	0	0	0	43	43	0	0	0	62	62	0	0	0	1	1	0	0	0	2	2	108
02:30 PM	0	0	0	29	29	0	0	0	36	36	0	0	0	1	1	0	0	0	0	0	66
Total Volume	0	0	0	164	164	0	0	0	327	327	0	0	0	6	6	0	0	0	3	3	500
% App. Total	0	0	0	100		0	0	0	100		0	0	0	100		0	0	0	100		
PHF	.000	.000	.000	.482	.482	.000	.000	.000	.419	.419	.000	.000	.000	.750	.750	.000	.000	.000	.375	.375	.442

Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1  
Peak Hour for Entire Intersection Begins at 01:45 PM





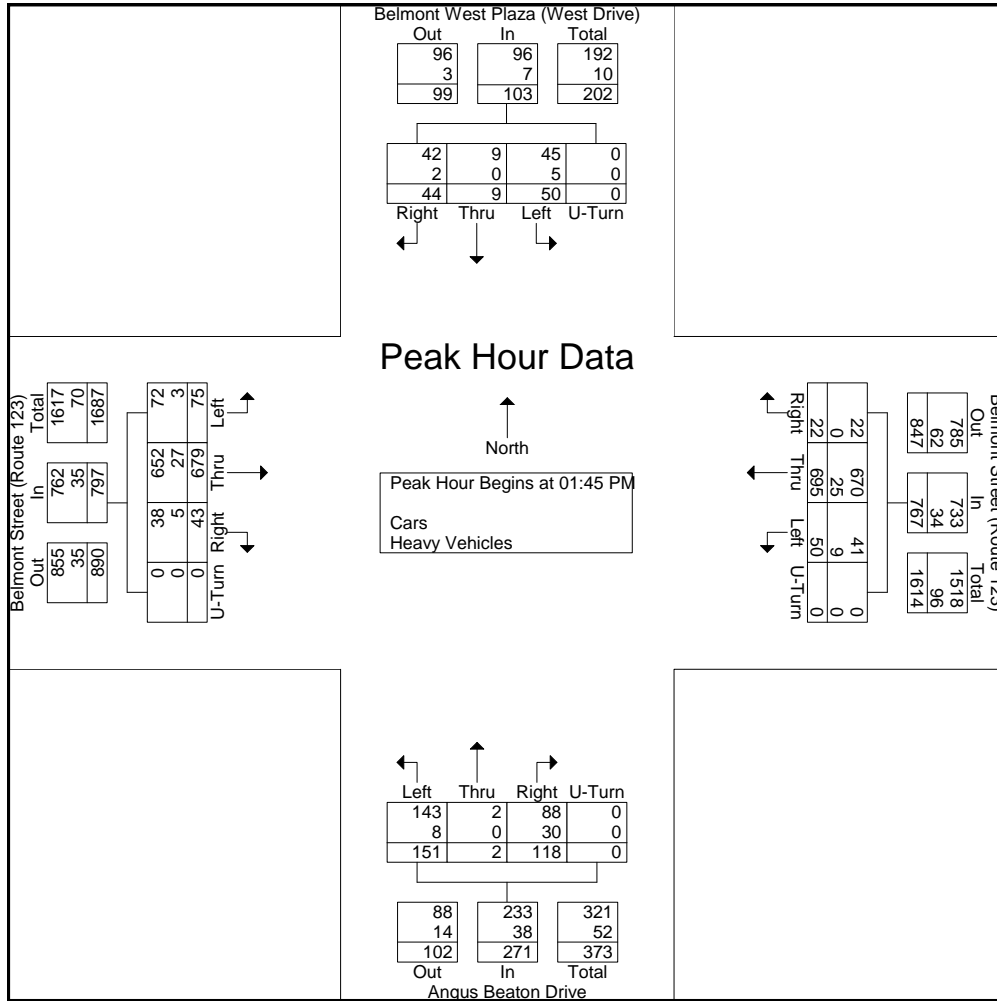
PRECISION  
D A T A  
INDUSTRIES, LLC

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N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
Peak Hour Analysis From 01:30 PM to 03:15 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 01:45 PM																					
01:45 PM	7	6	11	0	24	7	174	29	0	210	25	0	17	0	42	24	173	23	0	220	496
02:00 PM	16	0	9	0	25	5	164	12	0	181	53	0	52	0	105	10	144	16	0	170	481
02:15 PM	11	2	12	0	25	5	179	6	0	190	27	0	42	0	69	4	172	19	0	195	479
02:30 PM	10	1	18	0	29	5	178	3	0	186	13	2	40	0	55	5	190	17	0	212	482
Total Volume	44	9	50	0	103	22	695	50	0	767	118	2	151	0	271	43	679	75	0	797	1938
% App. Total	42.7	8.7	48.5	0		2.9	90.6	6.5	0		43.5	0.7	55.7	0		5.4	85.2	9.4	0		
PHF	.688	.375	.694	.000	.888	.786	.971	.431	.000	.913	.557	.250	.726	.000	.645	.448	.893	.815	.000	.906	.977
Cars	42	9	45	0	96	22	670	41	0	733	88	2	143	0	233	38	652	72	0	762	1824
% Cars	95.5	100	90.0	0	93.2	100	96.4	82.0	0	95.6	74.6	100	94.7	0	86.0	88.4	96.0	96.0	0	95.6	94.1
Heavy Vehicles	2	0	5	0	7	0	25	9	0	34	30	0	8	0	38	5	27	3	0	35	114
% Heavy Vehicles	4.5	0	10.0	0	6.8	0	3.6	18.0	0	4.4	25.4	0	5.3	0	14.0	11.6	4.0	4.0	0	4.4	5.9





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E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 A  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars - Heavy Vehicles

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	4	9	0	0	3	82	92	0	49	10	49	0	179	117	2	0	596
07:15 AM	4	1	5	0	2	124	18	0	50	9	45	0	19	144	2	0	423
07:30 AM	7	0	7	0	6	137	2	0	3	1	3	0	6	184	6	0	362
07:45 AM	4	0	5	0	7	132	5	0	3	0	2	0	5	186	4	0	353
Total	19	10	17	0	18	475	117	0	105	20	99	0	209	631	14	0	1734
08:00 AM	6	1	4	0	3	149	6	0	5	2	2	0	4	180	4	0	366
08:15 AM	5	0	3	0	12	119	3	0	1	1	0	0	8	203	7	0	362
08:30 AM	2	1	7	0	2	121	2	0	1	0	2	0	3	223	6	0	370
08:45 AM	8	1	5	0	8	145	2	0	4	1	2	0	0	207	9	0	392
Total	21	3	19	0	25	534	13	0	11	4	6	0	15	813	26	0	1490
Grand Total	40	13	36	0	43	1009	130	0	116	24	105	0	224	1444	40	0	3224
Apprch %	44.9	14.6	40.4	0	3.6	85.4	11	0	47.3	9.8	42.9	0	13.1	84.5	2.3	0	
Total %	1.2	0.4	1.1	0	1.3	31.3	4	0	3.6	0.7	3.3	0	6.9	44.8	1.2	0	
Cars	30	13	33	0	43	953	119	0	104	18	103	0	221	1368	39	0	3044
% Cars	75	100	91.7	0	100	94.4	91.5	0	89.7	75	98.1	0	98.7	94.7	97.5	0	94.4
Heavy Vehicles	10	0	3	0	0	56	11	0	12	6	2	0	3	76	1	0	180
% Heavy Vehicles	25	0	8.3	0	0	5.6	8.5	0	10.3	25	1.9	0	1.3	5.3	2.5	0	5.6

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	4	9	0	0	13	3	82	92	0	177	49	10	49	0	108	179	117	2	0	298	596
07:15 AM	4	1	5	0	10	2	124	18	0	144	50	9	45	0	104	19	144	2	0	165	423
07:30 AM	7	0	7	0	14	6	137	2	0	145	3	1	3	0	7	6	184	6	0	196	362
07:45 AM	4	0	5	0	9	7	132	5	0	144	3	0	2	0	5	5	186	4	0	195	353
Total Volume	19	10	17	0	46	18	475	117	0	610	105	20	99	0	224	209	631	14	0	854	1734
% App. Total	41.3	21.7	37	0		3	77.9	19.2	0		46.9	8.9	44.2	0		24.5	73.9	1.6	0		
PHF	.679	.278	.607	.000	.821	.643	.867	.318	.000	.862	.525	.500	.505	.000	.519	.292	.848	.583	.000	.716	.727
Cars	15	10	15	0	40	18	446	107	0	571	95	14	97	0	206	206	600	14	0	820	1637
% Cars	78.9	100	88.2	0	87.0	100	93.9	91.5	0	93.6	90.5	70.0	98.0	0	92.0	98.6	95.1	100	0	96.0	94.4
Heavy Vehicles	4	0	2	0	6	0	29	10	0	39	10	6	2	0	18	3	31	0	0	34	97
% Heavy Vehicles	21.1	0	11.8	0	13.0	0	6.1	8.5	0	6.4	9.5	30.0	2.0	0	8.0	1.4	4.9	0	0	4.0	5.6



PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 A  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Cars

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	3	9	0	0	3	72	85	0	42	4	47	0	177	107	2	0	551
07:15 AM	3	1	4	0	2	118	17	0	48	9	45	0	19	139	2	0	407
07:30 AM	6	0	6	0	6	131	1	0	2	1	3	0	6	177	6	0	345
07:45 AM	3	0	5	0	7	125	4	0	3	0	2	0	4	177	4	0	334
Total	15	10	15	0	18	446	107	0	95	14	97	0	206	600	14	0	1637
08:00 AM	4	1	4	0	3	141	6	0	4	2	2	0	4	167	3	0	341
08:15 AM	4	0	3	0	12	109	3	0	1	1	0	0	8	194	7	0	342
08:30 AM	1	1	6	0	2	116	2	0	0	0	2	0	3	206	6	0	345
08:45 AM	6	1	5	0	8	141	1	0	4	1	2	0	0	201	9	0	379
Total	15	3	18	0	25	507	12	0	9	4	6	0	15	768	25	0	1407
Grand Total	30	13	33	0	43	953	119	0	104	18	103	0	221	1368	39	0	3044
Apprch %	39.5	17.1	43.4	0	3.9	85.5	10.7	0	46.2	8	45.8	0	13.6	84	2.4	0	
Total %	1	0.4	1.1	0	1.4	31.3	3.9	0	3.4	0.6	3.4	0	7.3	44.9	1.3	0	

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	3	9	0	0	12	3	72	85	0	160	42	4	47	0	93	177	107	2	0	286	551
07:15 AM	3	1	4	0	8	2	118	17	0	137	48	9	45	0	102	19	139	2	0	160	407
07:30 AM	6	0	6	0	12	6	131	1	0	138	2	1	3	0	6	6	177	6	0	189	345
07:45 AM	3	0	5	0	8	7	125	4	0	136	3	0	2	0	5	4	177	4	0	185	334
Total Volume	15	10	15	0	40	18	446	107	0	571	95	14	97	0	206	206	600	14	0	820	1637
% App. Total	37.5	25	37.5	0		3.2	78.1	18.7	0		46.1	6.8	47.1	0		25.1	73.2	1.7	0		
PHF	.625	.278	.625	.000	.833	.643	.851	.315	.000	.892	.495	.389	.516	.000	.505	.291	.847	.583	.000	.717	.743



PRECISION  
D A T A  
INDUSTRIES, LLC

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N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 A  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Groups Printed- Heavy Vehicles

Start Time	Belmont West Plaza (West Drive) From North				Belmont Street (Route 123) From East				Angus Beaton Drive From South				Belmont Street (Route 123) From West				Int. Total
	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	Right	Thru	Left	U-Turn	
07:00 AM	1	0	0	0	0	10	7	0	7	6	2	0	2	10	0	0	45
07:15 AM	1	0	1	0	0	6	1	0	2	0	0	0	0	5	0	0	16
07:30 AM	1	0	1	0	0	6	1	0	1	0	0	0	0	7	0	0	17
07:45 AM	1	0	0	0	0	7	1	0	0	0	0	0	1	9	0	0	19
Total	4	0	2	0	0	29	10	0	10	6	2	0	3	31	0	0	97
08:00 AM	2	0	0	0	0	8	0	0	1	0	0	0	0	13	1	0	25
08:15 AM	1	0	0	0	0	10	0	0	0	0	0	0	0	9	0	0	20
08:30 AM	1	0	1	0	0	5	0	0	1	0	0	0	0	17	0	0	25
08:45 AM	2	0	0	0	0	4	1	0	0	0	0	0	0	6	0	0	13
Total	6	0	1	0	0	27	1	0	2	0	0	0	0	45	1	0	83
Grand Total	10	0	3	0	0	56	11	0	12	6	2	0	3	76	1	0	180
Apprch %	76.9	0	23.1	0	0	83.6	16.4	0	60	30	10	0	3.8	95	1.2	0	
Total %	5.6	0	1.7	0	0	31.1	6.1	0	6.7	3.3	1.1	0	1.7	42.2	0.6	0	

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	
07:00 AM	1	0	0	0	1	0	10	7	0	17	7	6	2	0	15	2	10	0	0	12	45
07:15 AM	1	0	1	0	2	0	6	1	0	7	2	0	0	0	2	0	5	0	0	5	16
07:30 AM	1	0	1	0	2	0	6	1	0	7	1	0	0	0	1	0	7	0	0	7	17
07:45 AM	1	0	0	0	1	0	7	1	0	8	0	0	0	0	0	1	9	0	0	10	19
Total Volume	4	0	2	0	6	0	29	10	0	39	10	6	2	0	18	3	31	0	0	34	97
% App. Total	66.7	0	33.3	0		0	74.4	25.6	0		55.6	33.3	11.1	0		8.8	91.2	0	0		
PHF	1.00	.000	.500	.000	.750	.000	.725	.357	.000	.574	.357	.250	.250	.000	.300	.375	.775	.000	.000	.708	.539

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





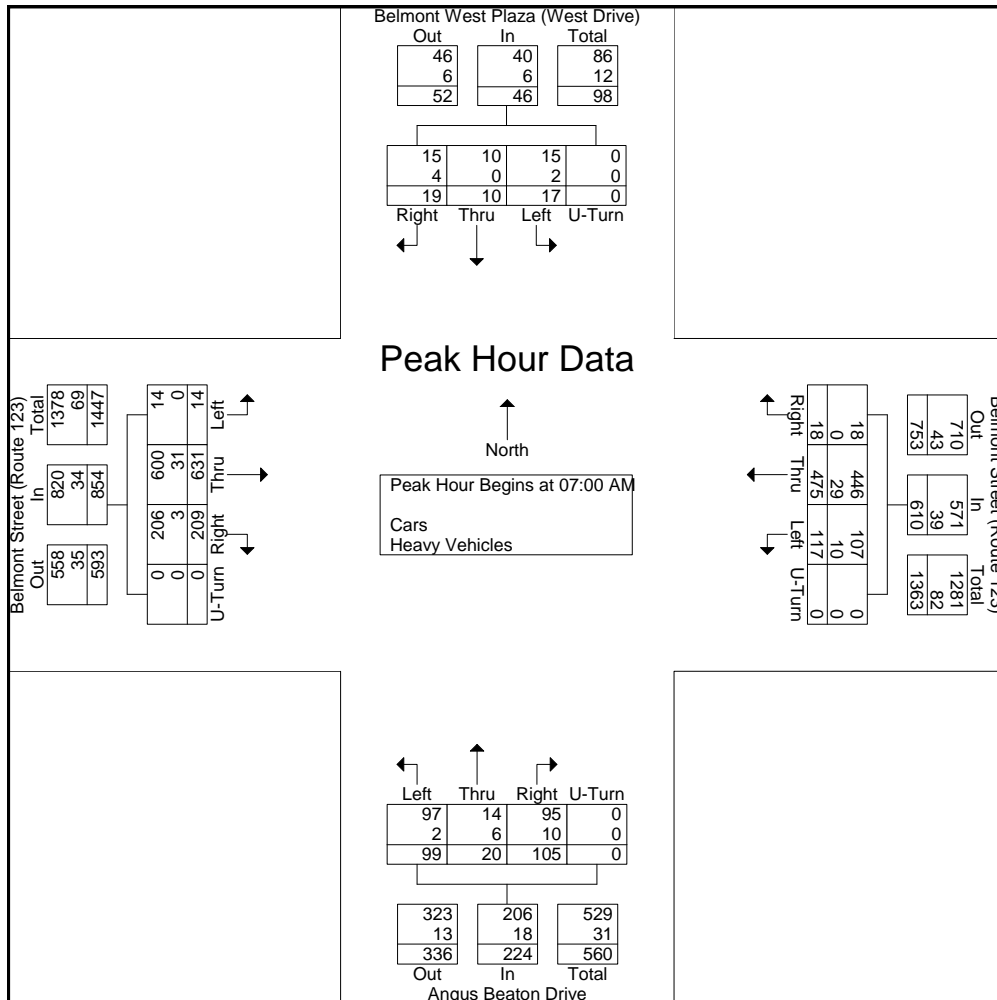
PRECISION  
D A T A  
INDUSTRIES, LLC

P.O. Box 301 Berlin, MA 01503  
Office: 508.481.3999 Fax: 508.545.1234  
Email: datarequests@pdillc.com

N/S: Belmont West/ Angus Beaton Drive  
E/W: Belmont Street (Route 123)  
City, State: Brockton, MA  
Client: OCPC/ K. Mowatt

File Name : 133488 A  
Site Code : TBA  
Start Date : 9/24/2013  
Page No : 1

Start Time	Belmont West Plaza (West Drive) From North					Belmont Street (Route 123) From East					Angus Beaton Drive From South					Belmont Street (Route 123) From West					Int. Total
	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	App. Total	Right	Thru	Left	U-Turn	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	4	9	0	0	13	3	82	92	0	177	49	10	49	0	108	179	117	2	0	298	596
07:15 AM	4	1	5	0	10	2	124	18	0	144	50	9	45	0	104	19	144	2	0	165	423
07:30 AM	7	0	7	0	14	6	137	2	0	145	3	1	3	0	7	6	184	6	0	196	362
07:45 AM	4	0	5	0	9	7	132	5	0	144	3	0	2	0	5	5	186	4	0	195	353
Total Volume	19	10	17	0	46	18	475	117	0	610	105	20	99	0	224	209	631	14	0	854	1734
% App. Total	41.3	21.7	37	0		3	77.9	19.2	0		46.9	8.9	44.2	0		24.5	73.9	1.6	0		
PHF	.679	.278	.607	.000	.821	.643	.867	.318	.000	.862	.525	.500	.505	.000	.519	.292	.848	.583	.000	.716	.727
Cars	15	10	15	0	40	18	446	107	0	571	95	14	97	0	206	206	600	14	0	820	1637
% Cars	78.9	100	88.2	0	87.0	100	93.9	91.5	0	93.6	90.5	70.0	98.0	0	92.0	98.6	95.1	100	0	96.0	94.4
Heavy Vehicles	4	0	2	0	6	0	29	10	0	39	10	6	2	0	18	3	31	0	0	34	97
% Heavy Vehicles	21.1	0	11.8	0	13.0	0	6.1	8.5	0	6.4	9.5	30.0	2.0	0	8.0	1.4	4.9	0	0	4.0	5.6





# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4)  
 Traffic Control:

File Name : Belmont Street & West Street\_PM  
 Site Code : 44  
 Start Date : 7/2/2014  
 Page No : 1

## Groups Printed- Cars - Buses - Trucks

Start Time	BELMONT ST Southbound					WEST ST Westbound					BELMONT ST Northbound					WEST ST Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	11	120	0	1	132	17	43	1	5	66	0	143	37	6	186	83	0	4	2	89	473
04:15 PM	4	89	0	1	94	19	60	2	3	84	0	146	37	1	184	97	0	1	0	98	460
04:30 PM	2	102	1	8	113	9	47	2	11	69	0	130	37	2	169	95	0	2	5	102	453
04:45 PM	1	111	0	4	116	11	55	0	7	73	0	122	39	3	164	127	1	3	4	135	488
Total	18	422	1	14	455	56	205	5	26	292	0	541	150	12	703	402	1	10	11	424	1874
05:00 PM	3	124	0	41	168	15	34	0	15	64	0	152	49	18	219	97	2	4	34	137	588
05:15 PM	0	119	0	11	130	14	53	4	26	97	0	122	38	30	190	104	0	2	7	113	530
05:30 PM	2	122	0	30	154	11	38	2	20	71	0	131	53	17	201	86	6	2	24	118	544
05:45 PM	2	91	0	38	131	18	61	1	22	102	1	91	39	22	153	105	0	1	40	146	532
Total	7	456	0	120	583	58	186	7	83	334	1	496	179	87	763	392	8	9	105	514	2194
Grand Total	25	878	1	134	1038	114	391	12	109	626	1	1037	329	99	1466	794	9	19	116	938	4068
Apprch %	2.4	84.6	0.1	12.9		18.2	62.5	1.9	17.4		0.1	70.7	22.4	6.8		84.6	1	2	12.4		
Total %	0.6	21.6	0	3.3	25.5	2.8	9.6	0.3	2.7	15.4	0	25.5	8.1	2.4	36	19.5	0.2	0.5	2.9	23.1	
Cars	25	856	1	120	1002	113	391	11	23	538	1	1028	329	11	1369	788	9	19	108	924	3833
% Cars	100	97.5	100	89.6	96.5	99.1	100	91.7	21.1	85.9	100	99.1	100	11.1	93.4	99.2	100	100	93.1	98.5	94.2
Buses	0	1	0	14	15	0	0	0	84	84	0	1	0	88	89	0	0	0	8	8	196
% Buses	0	0.1	0	10.4	1.4	0	0	0	77.1	13.4	0	0.1	0	88.9	6.1	0	0	0	6.9	0.9	4.8
Trucks	0	21	0	0	21	1	0	1	2	4	0	8	0	0	8	6	0	0	0	6	39
% Trucks	0	2.4	0	0	2	0.9	0	8.3	1.8	0.6	0	0.8	0	0	0.5	0.8	0	0	0	0.6	1

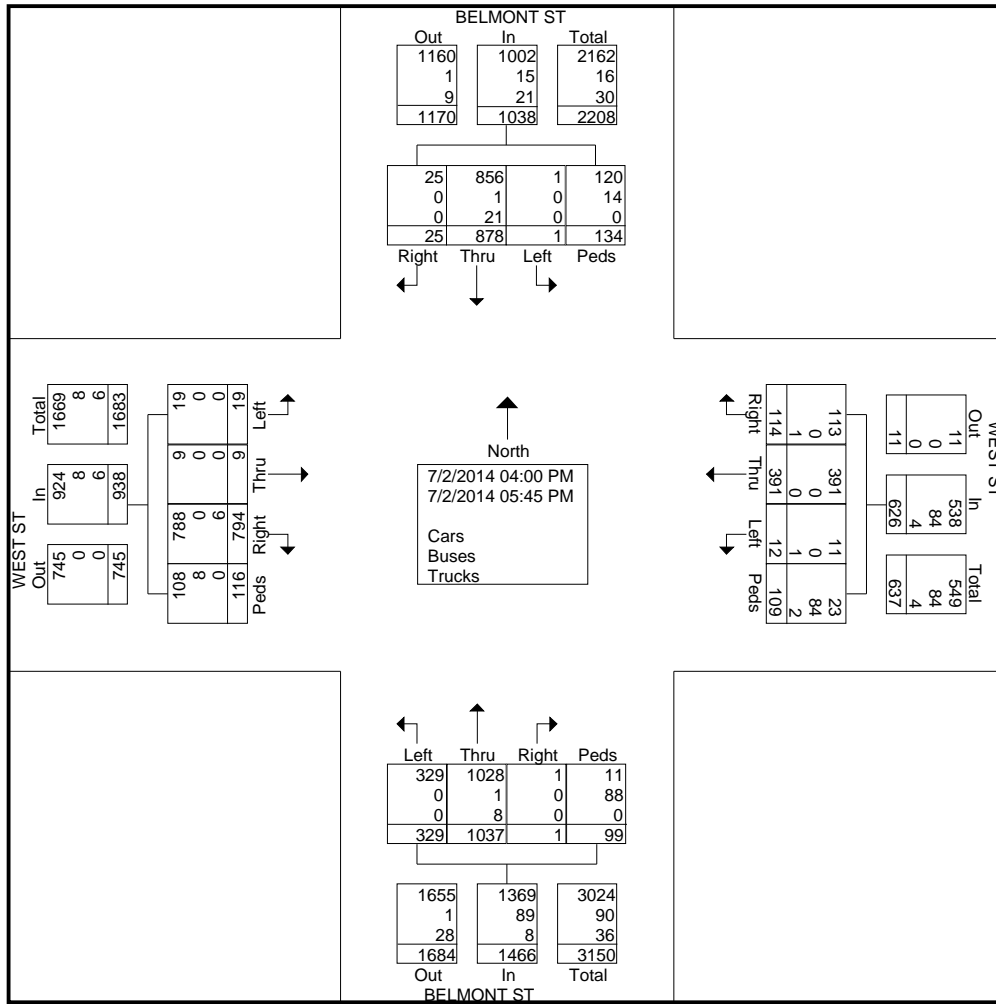


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4)  
 Traffic Control:

File Name : Belmont Street & West Street\_PM  
 Site Code : 44  
 Start Date : 7/2/2014  
 Page No : 2





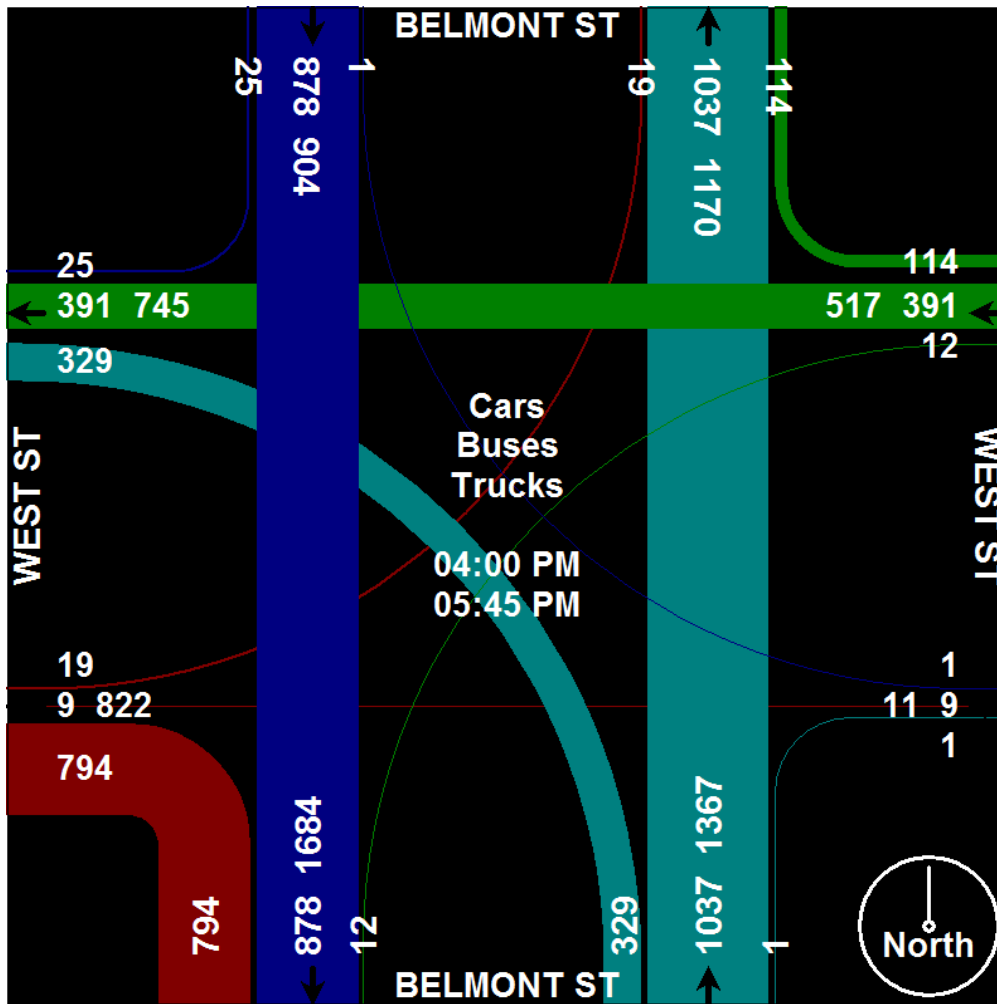


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (4)  
Traffic Control:

File Name : Belmont Street & West Street\_PM  
Site Code : 44  
Start Date : 7/2/2014  
Page No : 3





# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4)  
 Traffic Control:

File Name : Belmont Street & West Street\_PM  
 Site Code : 44  
 Start Date : 7/2/2014  
 Page No : 4

Start Time	BELMONT ST Southbound					WEST ST Westbound					BELMONT ST Northbound					WEST ST Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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 05:00 PM																					
05:00 PM	3	124	0	41	168	15	34	0	15	64	0	152	49	18	219	97	2	4	34	137	588
05:15 PM	0	119	0	11	130	14	53	4	26	97	0	122	38	30	190	104	0	2	7	113	530
05:30 PM	2	122	0	30	154	11	38	2	20	71	0	131	53	17	201	86	6	2	24	118	544
05:45 PM	2	91	0	38	131	18	61	1	22	102	1	91	39	22	153	105	0	1	40	146	532
Total Volume	7	456	0	120	583	58	186	7	83	334	1	496	179	87	763	392	8	9	105	514	2194
% App. Total	1.2	78.2	0	20.6		17.4	55.7	2.1	24.9		0.1	65	23.5	11.4		76.3	1.6	1.8	20.4		
PHF	.583	.919	.000	.732	.868	.806	.762	.438	.798	.819	.250	.816	.844	.725	.871	.933	.333	.563	.656	.880	.933
Cars	7	448	0	107	562	57	186	7	11	261	1	494	179	8	682	389	8	9	98	504	2009
% Cars	100	98.2	0	89.2	96.4	98.3	100	100	13.3	78.1	100	99.6	100	9.2	89.4	99.2	100	100	93.3	98.1	91.6
Buses	0	0	0	13	13	0	0	0	72	72	0	0	0	79	79	0	0	0	7	7	171
% Buses	0	0	0	10.8	2.2	0	0	0	86.7	21.6	0	0	0	90.8	10.4	0	0	0	6.7	1.4	7.8
Trucks	0	8	0	0	8	1	0	0	0	1	0	2	0	0	2	3	0	0	0	3	14
% Trucks	0	1.8	0	0	1.4	1.7	0	0	0	0.3	0	0.4	0	0	0.3	0.8	0	0	0	0.6	0.6

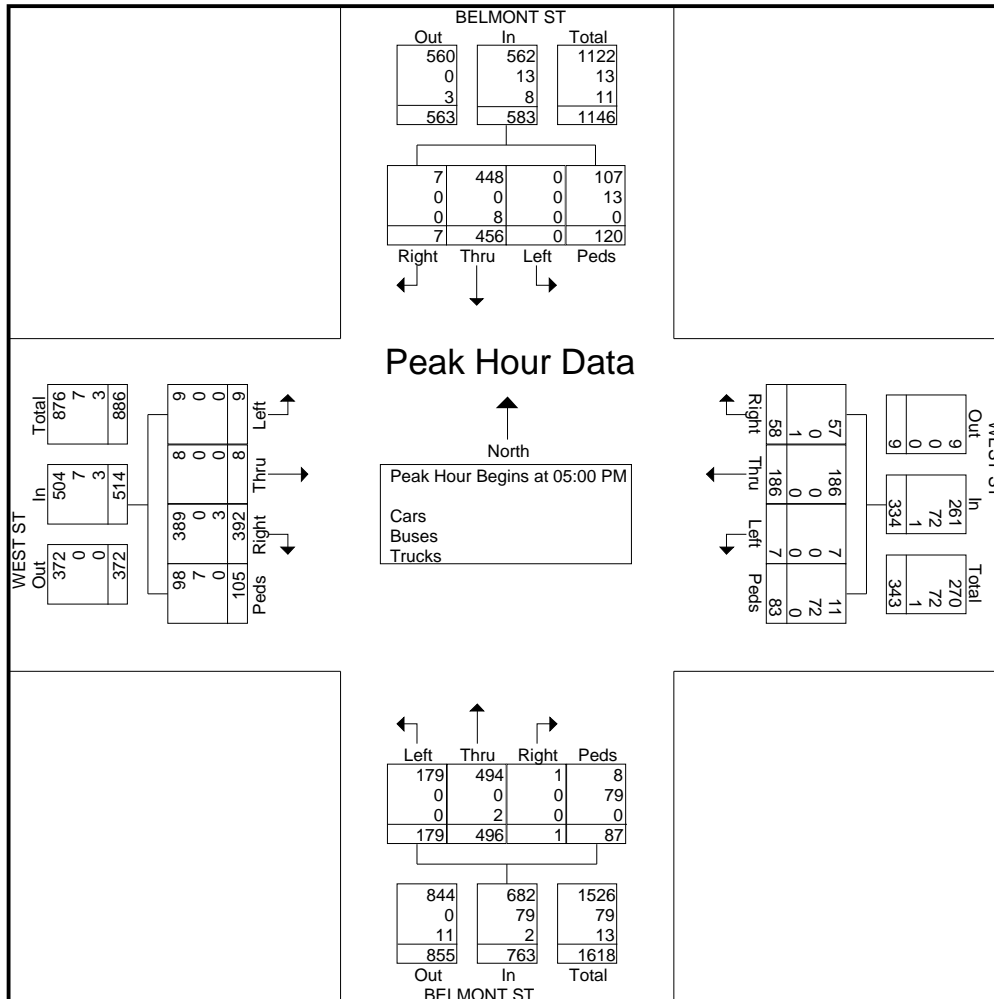


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4)  
 Traffic Control:

File Name : Belmont Street & West Street\_PM  
 Site Code : 44  
 Start Date : 7/2/2014  
 Page No : 5



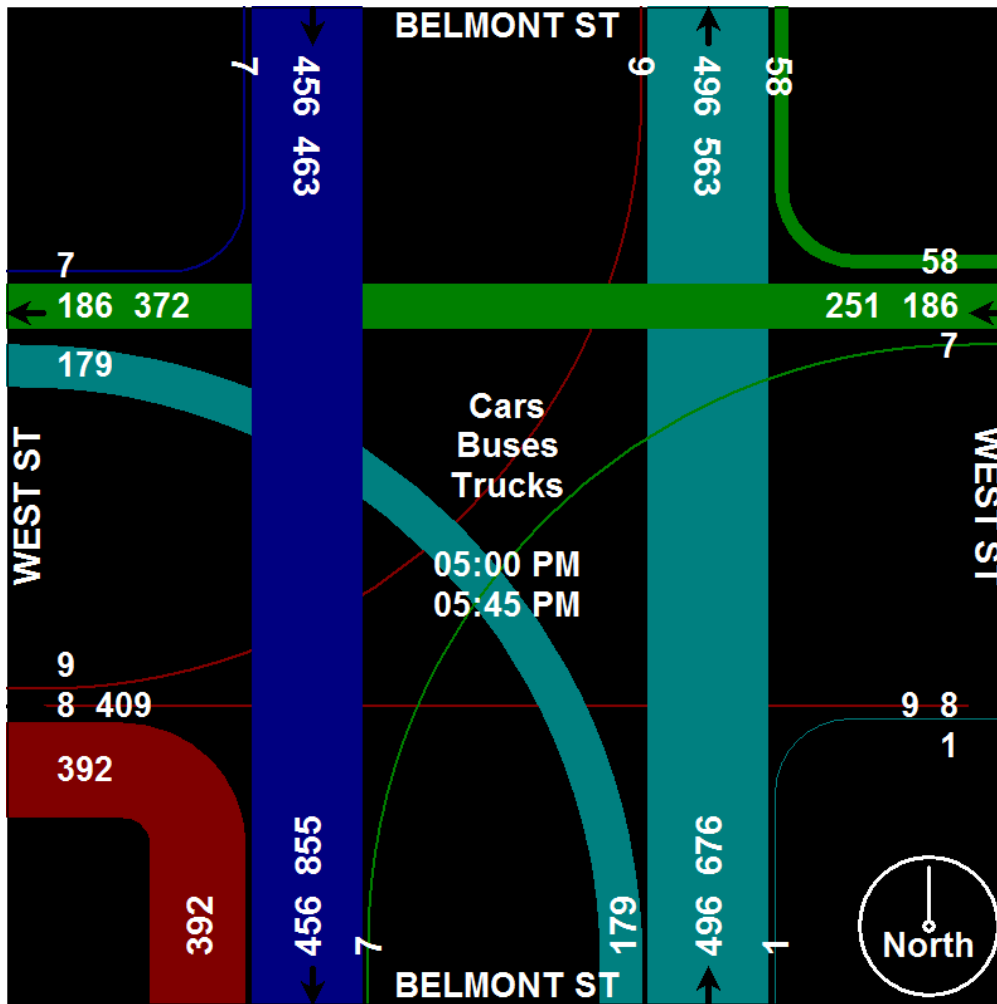


# Old Colony Planning Council

70 School Street  
Brockton, MA 02301  
(508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
Weather: Clear  
Board # & Staff: DB-400 (4)  
Traffic Control:

File Name : Belmont Street & West Street\_PM  
Site Code : 44  
Start Date : 7/2/2014  
Page No : 6





# Old Colony Planning Council

70 School Street  
 Brockton, MA 02301  
 (508) 583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / RG  
 Traffic Control:

File Name : Belmont Street & West Side Forest Ave\_PM  
 Site Code : 44  
 Start Date : 7/1/2014  
 Page No : 1

### Groups Printed- Cars - Buses - Trucks

Start Time	BELMONT ST Southbound					WESTSIDE FOREST AVE Westbound					BELMONT ST Northbound					WESTSIDE FOREST AVE Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	10	127	39	2	178	8	29	9	0	46	1	142	3	0	146	10	53	7	0	70	440
04:15 PM	6	151	70	2	229	6	26	9	2	43	5	155	7	0	167	13	34	8	0	55	494
04:30 PM	12	165	48	1	226	7	40	10	1	58	6	159	5	1	171	12	40	18	4	74	529
04:45 PM	8	135	58	5	206	5	42	10	2	59	2	145	6	1	154	11	37	11	5	64	483
Total	36	578	215	10	839	26	137	38	5	206	14	601	21	2	638	46	164	44	9	263	1946
05:00 PM	10	147	48	0	205	2	28	6	0	36	5	147	8	0	160	13	47	13	0	73	474
05:15 PM	9	112	83	0	204	7	28	8	0	43	4	133	8	0	145	11	40	5	2	58	450
05:30 PM	16	97	52	0	165	5	33	4	0	42	4	142	5	2	153	15	46	9	0	70	430
05:45 PM	15	125	54	2	196	3	28	1	4	36	9	130	5	0	144	9	45	16	0	70	446
Total	50	481	237	2	770	17	117	19	4	157	22	552	26	2	602	48	178	43	2	271	1800
Grand Total	86	1059	452	12	1609	43	254	57	9	363	36	1153	47	4	1240	94	342	87	11	534	3746
Apprch %	5.3	65.8	28.1	0.7		11.8	70	15.7	2.5		2.9	93	3.8	0.3		17.6	64	16.3	2.1		
Total %	2.3	28.3	12.1	0.3	43	1.1	6.8	1.5	0.2	9.7	1	30.8	1.3	0.1	33.1	2.5	9.1	2.3	0.3	14.3	
Cars	86	1041	448	9	1584	43	253	57	5	358	36	1142	43	0	1221	93	337	87	10	527	3690
% Cars	100	98.3	99.1	75	98.4	100	99.6	100	55.6	98.6	100	99	91.5	0	98.5	98.9	98.5	100	90.9	98.7	98.5
Buses	0	0	1	3	4	0	0	0	4	4	0	0	3	2	5	0	0	0	1	1	14
% Buses	0	0	0.2	25	0.2	0	0	0	44.4	1.1	0	0	6.4	50	0.4	0	0	0	9.1	0.2	0.4
Trucks	0	18	3	0	21	0	1	0	0	1	0	11	1	2	14	1	5	0	0	6	42
% Trucks	0	1.7	0.7	0	1.3	0	0.4	0	0	0.3	0	1	2.1	50	1.1	1.1	1.5	0	0	1.1	1.1

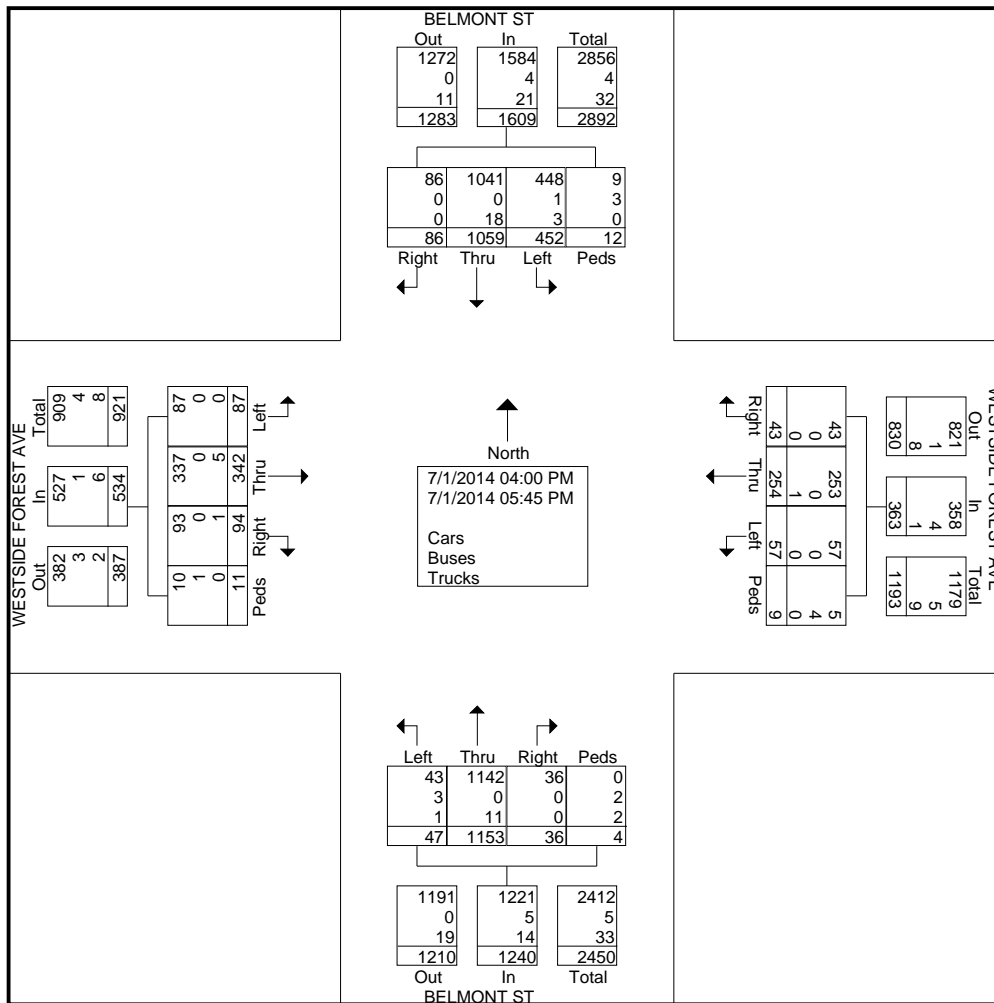


# Old Colony Planning Council

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

Community: Brockton  
 Weather: Clear  
 Board # & Staff: DB-400 (4) / RG  
 Traffic Control:

File Name : Belmont Street & West Side Forest Ave\_PM  
 Site Code : 44  
 Start Date : 7/1/2014  
 Page No : 2



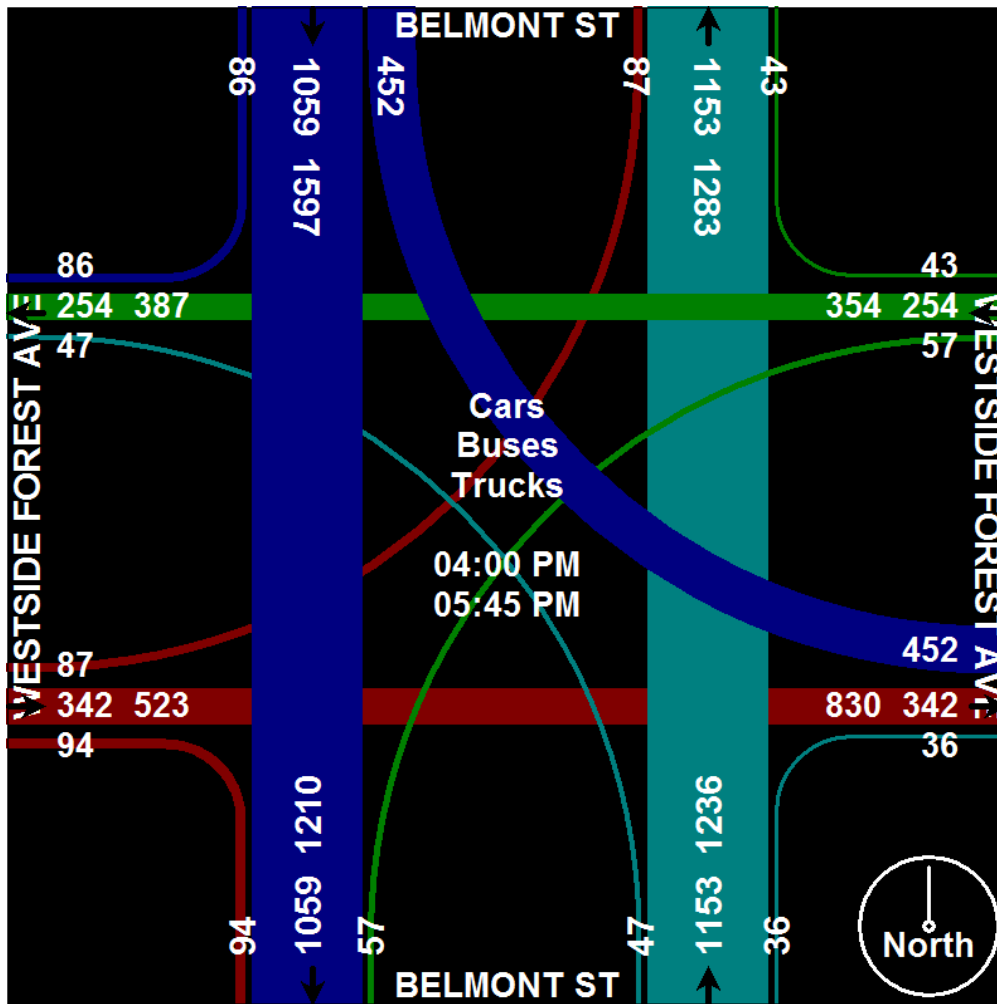


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Start Time	BELMONT ST Southbound					WESTSIDE FOREST AVE Westbound					BELMONT ST Northbound					WESTSIDE FOREST AVE Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	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	6	151	<b>70</b>	2	<b>229</b>	6	26	9	<b>2</b>	43	5	155	7	0	167	<b>13</b>	34	8	0	55	494
04:30 PM	<b>12</b>	<b>165</b>	48	1	226	<b>7</b>	40	<b>10</b>	1	58	<b>6</b>	<b>159</b>	5	<b>1</b>	<b>171</b>	12	40	<b>18</b>	4	<b>74</b>	<b>529</b>
04:45 PM	8	135	58	<b>5</b>	206	5	<b>42</b>	10	2	<b>59</b>	2	145	6	1	154	11	37	11	<b>5</b>	64	483
05:00 PM	10	147	48	0	205	2	28	6	0	36	5	147	<b>8</b>	0	160	13	<b>47</b>	13	0	73	474
Total Volume	36	598	224	8	866	20	136	35	5	196	18	606	26	2	652	49	158	50	9	266	1980
% App. Total	4.2	69.1	25.9	0.9		10.2	69.4	17.9	2.6		2.8	92.9	4	0.3		18.4	59.4	18.8	3.4		
PHF	.750	.906	.800	.400	.945	.714	.810	.875	.625	.831	.750	.953	.813	.500	.953	.942	.840	.694	.450	.899	.936
Cars	36	587	221	7	851	20	135	35	3	193	18	599	24	0	641	48	156	50	8	262	1947
% Cars	100	98.2	98.7	87.5	98.3	100	99.3	100	60.0	98.5	100	98.8	92.3	0	98.3	98.0	98.7	100	88.9	98.5	98.3
Buses	0	0	1	1	2	0	0	0	2	2	0	0	2	2	4	0	0	0	1	1	9
% Buses	0	0	0.4	12.5	0.2	0	0	0	40.0	1.0	0	0	7.7	100	0.6	0	0	0	11.1	0.4	0.5
Trucks	0	11	2	0	13	0	1	0	0	1	0	7	0	0	7	1	2	0	0	3	24
% Trucks	0	1.8	0.9	0	1.5	0	0.7	0	0	0.5	0	1.2	0	0	1.1	2.0	1.3	0	0	1.1	1.2



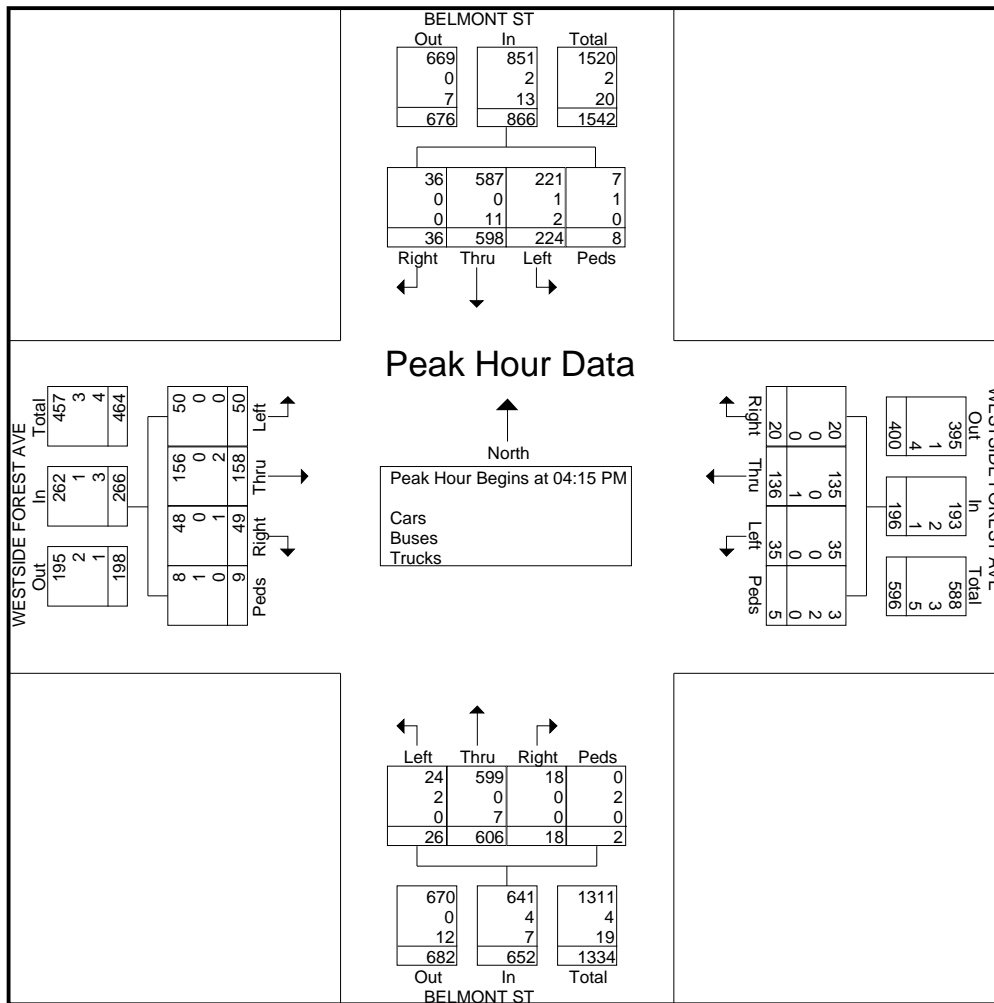


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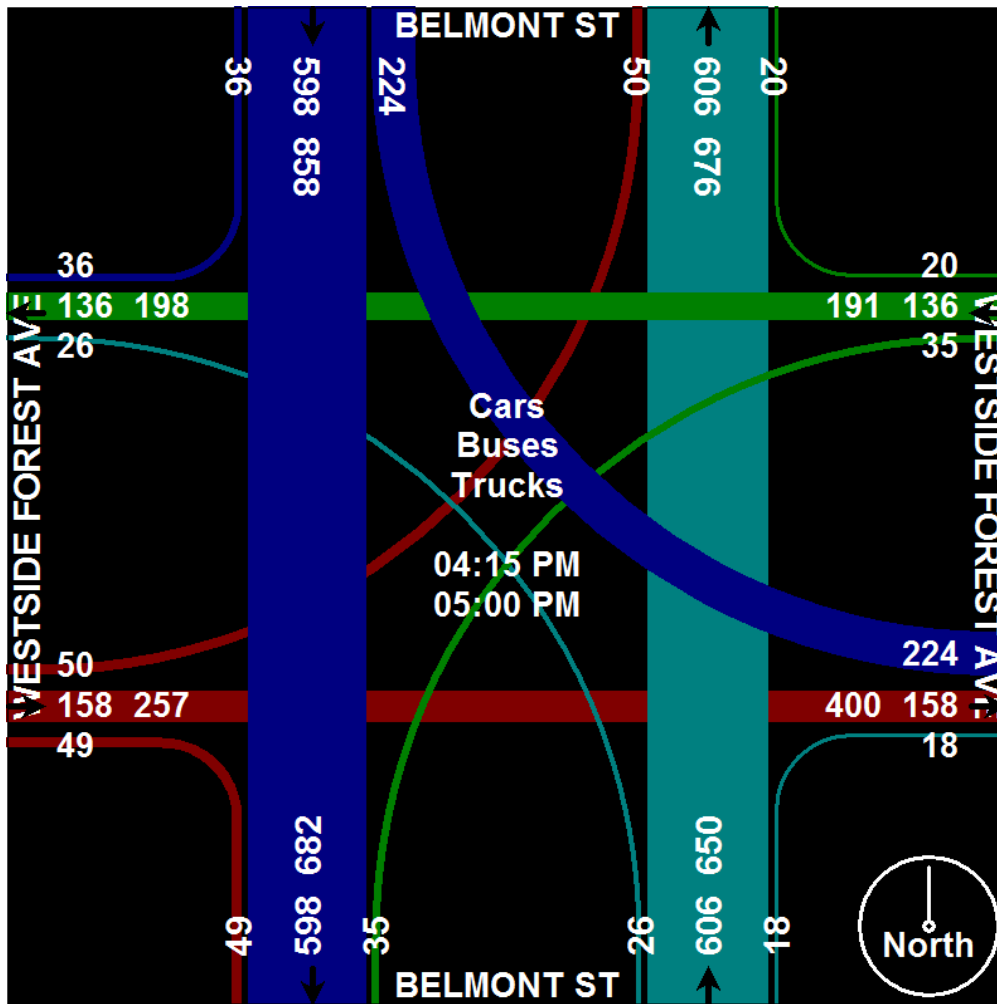


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Start Date : 7/1/2014  
Page No : 6















ROUNDBABOUT REPORT																	
<b>General Information</b>									<b>Site Information</b>								
Analyst	RG								Intersection	Forest Avenue at West Street							
Agency or Co.	OCPC								E/W Street Name	Forest Avenue							
Date Performed	3/25/2014								N/S Street Name	West Street							
Time Period	School Peak								Analysis Year	2019							
Peak Hour Factor	0.92								Project ID	Build with Roundabout							
Project Description:																	
<b>Volume Adjustment and Site Characteristics</b>																	
	EB				WB				NB				SB				
	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R	U	
Number of Lanes (N)	0	1	0		0	1	0		0	1	0		0	1	0		
Lane Assignment	LTR				LTR				LTR				LTR				
Conflicting Lanes	1				1				1				1				
Volume (V), veh/h	4	130	4	0	179	156	290	0	11	14	252	0	237	15	6	0	
Heavy Veh. Adj. ( $f_{HV}$ ), %	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Pedestrians Crossing	0				0				0				0				
<b>Critical and Follow-Up Headway Adjustment</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Critical Headway (sec)	5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		
Follow-Up Headway (sec)	3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		
<b>Flow Computations</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Circulating Flow ( $V_c$ ), pc/h	482				32				415				387				
Exiting Flow ( $V_{ex}$ ), pc/h	693				194				345				222				
Entry Flow ( $V_e$ ), pc/h			155				700				310				289		
Entry Volume veh/h			150				680				301				281		
<b>Capacity and v/c Ratios</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Capacity ( $c_{PCE}$ ), pc/h			697				1094				746				767		
Capacity (c), veh/h			677				1062				724				745		
v/c Ratio (X)			0.22				0.64				0.42				0.38		
<b>Delay and Level of Service</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Lane Control Delay (d), s/veh			7.9				12.4				10.5				9.6		
Lane LOS			A				B				B				A		
Lane 95% Queue			0.8				4.8				2.1				1.8		
Approach Delay, s/veh	7.94				12.41				10.54				9.60				
Approach LOS, s/veh	A				B				B				A				
Intersection Delay, s/veh	10.98																
Intersection LOS	B																

ROUNDBABOUT REPORT																	
<b>General Information</b>									<b>Site Information</b>								
Analyst	RG								Intersection	Forest Avenue at West Street							
Agency or Co.	OCPC								E/W Street Name	Forest Avenue							
Date Performed	3/25/2014								N/S Street Name	West Street							
Time Period	PM Peak Hour								Analysis Year	2019							
Peak Hour Factor	0.92								Project ID	Build with Roundabout							
Project Description:																	
<b>Volume Adjustment and Site Characteristics</b>																	
	EB				WB				NB				SB				
	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R	U	
Number of Lanes (N)	0	1	0		0	1	0		0	1	0		0	1	0		
Lane Assignment	LTR				LTR				LTR				LTR				
Conflicting Lanes	1				1				1				1				
Volume (V), veh/h	0	212	12	0	223	181	219	0	1	12	380	0	302	14	3	0	
Heavy Veh. Adj. ( $f_{HV}$ ), %	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Pedestrians Crossing	0				0				0				0				
<b>Critical and Follow-Up Headway Adjustment</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Critical Headway (sec)	5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		
Follow-Up Headway (sec)	3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		
<b>Flow Computations</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Circulating Flow ( $V_c$ ), pc/h	604				14				575				454				
Exiting Flow ( $V_{ex}$ ), pc/h	1001				207				259				279				
Entry Flow ( $V_e$ ), pc/h		251				697				440				357			
Entry Volume veh/h		244				677				427				347			
<b>Capacity and v/c Ratios</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Capacity ( $c_{PCE}$ ), pc/h		618				1114				636				718			
Capacity (c), veh/h		600				1081				617				697			
v/c Ratio (X)		0.41				0.63				0.69				0.50			
<b>Delay and Level of Service</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Lane Control Delay (d), s/veh		12.1				11.9				21.4				12.6			
Lane LOS		B				B				C				B			
Lane 95% Queue		2.0				4.6				5.5				2.8			
Approach Delay, s/veh	12.07				11.86				21.37				12.65				
Approach LOS, s/veh	B				B				C				B				
Intersection Delay, s/veh	14.45																
Intersection LOS	B																

ROUNABOUT REPORT																	
<b>General Information</b>									<b>Site Information</b>								
Analyst	RG								Intersection	Forest Ave at West Street							
Agency or Co.	OCPC								E/W Street Name	Forest Avenue							
Date Performed	3/25/2014								N/S Street Name	West Street							
Time Period	AM Morning Peak								Analysis Year	2015							
Peak Hour Factor	0.92								Project ID	SW Brockton Corridor Study							
Project Description:																	
<b>Volume Adjustment and Site Characteristics</b>																	
	EB				WB				NB				SB				
	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R	U	
Number of Lanes (N)	0	1	0		0	1	0		0	1	0		0	1	0		
Lane Assignment	LTR				LTR				LTR				LTR				
Conflicting Lanes	1				1				1				1				
Volume (V), veh/h	0	65	2	0	198	134	230	0	1	4	183	0	161	5	3	0	
Heavy Veh. Adj. ( $f_{HV}$ ), %	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Pedestrians Crossing	0				0				0				0				
<b>Critical and Follow-Up Headway Adjustment</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Critical Headway (sec)	5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		5.1929	5.1929	5.1929		
Follow-Up Headway (sec)	3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		3.1858	3.1858	3.1858		
<b>Flow Computations</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Circulating Flow ( $V_c$ ), pc/h	408				5				253				373				
Exiting Flow ( $V_{ex}$ ), pc/h	253				155				4				230				
Entry Flow ( $V_e$ ), pc/h			75				372	258			6	205			189		
Entry Volume veh/h			73				361	250			6	199			183		
<b>Capacity and v/c Ratios</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Capacity ( $c_{PCE}$ ), pc/h			752				1124	1125			877	877			778		
Capacity (c), veh/h			730				1091	1092			852	852			756		
v/c Ratio (X)			0.10				0.33	0.23			0.01	0.23			0.24		
<b>Delay and Level of Service</b>																	
	EB				WB				NB				SB				
	Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		Left	Right	Bypass		
Lane Control Delay (d), s/veh			6.0				6.6	5.4			4.3	6.7			7.5		
Lane LOS			A				A	A			A	A			A		
Lane 95% Queue			0.3				1.5	0.9			0.0	0.9			0.9		
Approach Delay, s/veh	5.98				6.11				6.61				7.49				
Approach LOS, s/veh	A				A				A				A				
Intersection Delay, s/veh	6.43																
Intersection LOS	A																

HCM 2010 Signalized Intersection Summary  
 3: Belmont Street & West Street

School Peak No-Build  
 12/9/2014

												
Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↑	↗		↔			↕	↗
Volume (vph)	4	210	95	5	221	173	148	522	6	55	375	6
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.91	0.96		0.98	1.00		0.94	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1887	1887	1887	1811	1811	1881	1849	1849	1849	1831	1831	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	70	383	163	72	565	499	135	791	9	135	794	770
Arriving On Green	0.32	0.32	0.32	0.32	0.32	0.32	0.48	0.48	0.48	0.48	0.48	0.00
Sat Flow, veh/h	22.6	1209.0	512.3	39.5	1747.9	1568.8	0.0	2335.1	18.2	0.0	1666.6	1615.0
Grp Volume(v), veh/h	376.1	0.0	0.0	275.9	0.0	201.2	167.1	0.0	595.8	61.4	418.9	0.0
Grp Sat Flow(s),veh/h/ln	1723.9	0.0	0.0	1787.4	0.0	1568.8	0.0	0.0	1678.0	0.0	1666.6	1615.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	15.4	0.0	6.1	0.0
Cycle Q Clear(g_c), s	10.1	0.0	0.0	6.6	0.0	5.4	25.5	0.0	15.4	25.5	6.1	0.0
Proportion In Lane	0.013		0.297	0.022		1.000	1.000		0.011	1.000		1.000
Lane Grp Cap(c), veh/h	616.3	0.0	0.0	637.1	0.0	498.8	134.5	0.0	799.6	134.5	0.0	769.5
V/C Ratio(X)	0.610	0.000	0.000	0.433	0.000	0.403	1.242	0.000	0.745	0.457	0.000	0.000
Avail Cap(c_a), veh/h	742.5	0.0	0.0	765.8	0.0	615.6	134.5	0.0	799.6	134.5	0.0	769.5
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	0.000
Uniform Delay (d), s/veh	15.9	0.0	0.0	14.7	0.0	14.3	26.8	0.0	11.4	26.8	0.0	0.0
Incr Delay (d2), s/veh	1.0	0.0	0.0	0.5	0.0	0.5	156.6	0.0	6.2	10.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	16.9	0.0	0.0	15.1	0.0	14.8	183.4	0.0	17.6	37.5	0.0	0.0
Lane Group LOS	B			B		B	F		B	D		
Approach Volume, veh/h		376			477			763			480	
Approach Delay, s/veh		16.9			15.0			53.9			4.8	
Approach LOS		B			B			D			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		22.52			22.52			31.00			31.00	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		21.00			21.00			25.50			25.50	
Max Q Clear Time (g_c+I1), s		12.11			8.56			27.50			27.50	
Green Extension Time (p_c)		3.28			3.99			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					27.2							
HCM 2010 Level of Service					C							

**Intersection**

Intersection Delay (sec/veh): 16.1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	3	334	335	290	237	0
Conflicting Peds.(#/hr)	29	0	0	11	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade (%)		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	3	381	382	331	270	0
Number of Lanes	0	1	1	0	1	0













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	713	0	0	0	935	-
Stage 1	-	-	-	-	548	-
Stage 2	-	-	-	-	387	-
Follow-up Headway	2.218	-	-	-	3.518	0
Pot Capacity-1 Maneuver	831	-	-	-	286	0
Stage 1	-	-	-	-	608	0
Stage 2	-	-	-	-	686	0
Time blocked-Platoon(%)	26	-	-	-	26	0
Mov Capacity-1 Maneuver	811	-	-	-	284	-
Mov Capacity-2 Maneuver	-	-	-	-	284	-
Stage 1	-	-	-	-	608	-
Stage 2	-	-	-	-	683	-

Approach	EB	WB	SB
HCM Control Delay (s)	0.1	0	81.5
HCM LOS	A	A	F

Lane	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)					284
HCM Control Delay (s)	9.458	-	-	-	81.5
HCM Lane VC Ratio	0.004	-	-	-	0.952
HCM Lane LOS	A	-	-	-	F
HCM 95th Percentile Queue (veh)	0.013	-	-	-	9.262

HCM 2010 Signalized Intersection Summary  
 24: Warren Ave & Forest Avenue













School Peak No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	38	226	85	21	196	22	97	214	25	41	271	42
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		0.93	0.97		0.92	0.99		0.95	0.98		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1937	1937	1937	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	110	356	119	99	470	47	247	511	51	130	697	96
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	174.0	982.0	370.6	148.4	1280.7	148.1	398.6	765.9	97.8	188.7	1139.8	184.1
Grp Volume(v), veh/h	393.7	0.0	0.0	271.6	0.0	0.0	382.1	0.0	0.0	401.7	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1579.1	0.0	0.0	1681.9	0.0	0.0	1375.8	0.0	0.0	1620.3	0.0	0.0
Q Serve(g_s), s	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	7.7	0.0	0.0	6.0	0.0	0.0	6.0	0.0	0.0	6.8	0.0	0.0
Proportion In Lane	0.110		0.235	0.088		0.088	0.290		0.071	0.116		0.114
Lane Grp Cap(c), veh/h	585.2	0.0	0.0	616.6	0.0	0.0	808.3	0.0	0.0	922.9	0.0	0.0
V/C Ratio(X)	0.673	0.000	0.000	0.440	0.000	0.000	0.473	0.000	0.000	0.435	0.000	0.000
Avail Cap(c_a), veh/h	585.2	0.0	0.0	616.6	0.0	0.0	808.3	0.0	0.0	922.9	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.4	0.0	0.0	13.6	0.0	0.0	7.2	0.0	0.0	7.4	0.0	0.0
Incr Delay (d2), s/veh	6.1	0.0	0.0	2.3	0.0	0.0	2.0	0.0	0.0	1.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	13.5	0.0	0.0	15.9	0.0	0.0	9.2	0.0	0.0	8.9	0.0	0.0
Lane Group LOS	B			B			A			A		
Approach Volume, veh/h		394			272			382			402	
Approach Delay, s/veh		13.5			15.9			9.2			8.9	
Approach LOS		B			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		9.67			7.97			8.00			8.82	
Green Extension Time (p_c)		2.29			2.71			5.29			5.18	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				11.5								
HCM 2010 Level of Service				B								



HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street











School Peak No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	126	277	32	65	267	66	45	320	60	80	345	168
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.99	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1865	1865	1865	1875	1875	1875	1868	1868	1868	1878	1878	1878
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	233	477	48	150	563	122	98	438	73	204	755	331
Arriving On Green	0.50	0.50	0.50	0.50	0.50	0.50	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	397.5	723.0	96.1	252.9	902.7	244.6	156.7	1078.5	199.0	451.3	1619.6	897.5
Grp Volume(v), veh/h	494.7	0.0	0.0	450.7	0.0	0.0	481.8	0.0	0.0	355.3	0.0	312.3
Grp Sat Flow(s),veh/h/ln	1367.5	0.0	0.0	1536.4	0.0	0.0	1470.3	0.0	0.0	1756.3	0.0	1535.0
Q Serve(g_s), s	2.3	0.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	9.7
Cycle Q Clear(g_c), s	12.3	0.0	0.0	9.9	0.0	0.0	18.3	0.0	0.0	8.9	0.0	9.7
Proportion In Lane	0.291		0.070	0.165		0.159	0.107		0.135	0.257		0.585
Lane Grp Cap(c), veh/h	758.2	0.0	0.0	834.8	0.0	0.0	608.9	0.0	0.0	723.5	0.0	566.7
V/C Ratio(X)	0.653	0.000	0.000	0.540	0.000	0.000	0.791	0.000	0.000	0.491	0.000	0.551
Avail Cap(c_a), veh/h	758.2	0.0	0.0	834.8	0.0	0.0	626.9	0.0	0.0	738.5	0.0	588.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.985	0.000	0.000	0.656	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	10.2	0.0	0.0	10.1	0.0	0.0	17.1	0.0	0.0	14.8	0.0	15.0
Incr Delay (d2), s/veh	4.3	0.0	0.0	2.5	0.0	0.0	4.5	0.0	0.0	0.5	0.0	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	14.5	0.0	0.0	12.5	0.0	0.0	21.5	0.0	0.0	15.3	0.0	16.1
Lane Group LOS	B			B			C			B		B
Approach Volume, veh/h		495			451			482			668	
Approach Delay, s/veh		14.5			12.5			21.5			15.7	
Approach LOS		B			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8			4	
Phase Duration (G+Y+Rc), s		34.00			34.00			26.24			26.24	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00			23.00			23.00	
Max Q Clear Time (g_c+I1), s		14.27			11.92			20.32			11.71	
Green Extension Time (p_c)		6.32			6.80			1.81			5.91	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				16.1								
HCM 2010 Level of Service				B								

Lanes, Volumes, Timings  
10: Belmont Street & Torrey Street

School Peak No-Build

12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	260	0	0	556	389	303
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					
Frt						0.850
Flt Protected	0.950					
Satd. Flow (prot)	1770	0	0	1863	1863	1583
Flt Permitted	0.950					
Satd. Flow (perm)	1765	0	0	1863	1863	1583
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)						
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Confl. Peds. (#/hr)	2		13			
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	297	0	0	635	444	346
Shared Lane Traffic (%)						
Lane Group Flow (vph)	297	0	0	635	444	346
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Protected Phases	4			2	2	4
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			Max	Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effct Green (s)	14.2			41.1	41.1	63.3
Actuated g/C Ratio	0.22			0.65	0.65	1.00
v/c Ratio	0.75			0.53	0.37	0.22
Control Delay	36.0			8.3	6.5	0.3
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	36.0			8.3	6.5	0.3
LOS	D			A	A	A
Approach Delay	36.0			8.3	3.8	
Approach LOS	D			A	A	

Intersection Summary

Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 63.3  
 Natural Cycle: 45  
 Control Type: Semi Act-Uncoord  
 Maximum v/c Ratio: 0.75  
 Intersection Signal Delay: 11.0  
 Intersection Capacity Utilization 52.5%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 10: Belmont Street & Torrey Street















HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

School Peak No-Build  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	44	118	57	38	113	18	32	618	14	26	488	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		1.00	1.00		0.91	1.00		0.95	0.99		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1863	1863	1863	1772	1772	1772	1799	1799	1799
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	173	403	178	104	247	33	0	2316	50	110	1887	156
Arriving On Green	0.23	0.23	0.23	0.23	0.23	0.23	0.00	0.67	0.67	0.67	0.67	0.67
Sat Flow, veh/h	603.7	1505.0	786.8	327.9	882.7	147.9	0.0	3451.0	74.4	145.8	2774.0	232.7
Grp Volume(v), veh/h	121.5	0.0	120.1	218.0	0.0	0.0	0.0	358.1	354.7	316.2	0.0	324.1
Grp Sat Flow(s),veh/h/ln	1492.0	0.0	1558.7	1450.8	0.0	0.0	0.0	1771.7	1753.7	1537.3	0.0	1595.9
Q Serve(g_s), s	0.0	0.0	5.0	4.5	0.0	0.0	0.0	6.5	6.5	0.0	0.0	6.5
Cycle Q Clear(g_c), s	4.2	0.0	5.0	9.7	0.0	0.0	0.0	6.5	6.5	5.4	0.0	6.5
Proportion In Lane	0.405		0.505	0.226		0.102	0.000		0.042	0.095		0.146
Lane Grp Cap(c), veh/h	402.0	0.0	351.8	384.4	0.0	0.0	0.0	1188.9	1176.9	1082.5	0.0	1071.0
V/C Ratio(X)	0.302	0.000	0.341	0.567	0.000	0.000	0.000	0.301	0.301	0.292	0.000	0.303
Avail Cap(c_a), veh/h	573.5	0.0	628.3	594.5	0.0	0.0	0.0	1188.9	1176.9	1082.5	0.0	1071.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	24.8	0.0	25.2	26.5	0.0	0.0	0.0	5.3	5.3	5.1	0.0	5.3
Incr Delay (d2), s/veh	0.4	0.0	0.6	1.3	0.0	0.0	0.0	0.7	0.7	0.1	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	25.3	0.0	25.7	27.8	0.0	0.0	0.0	5.9	5.9	5.2	0.0	5.4
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		242			218			713			640	
Approach Delay, s/veh		25.5			27.8			5.9			5.3	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2			6	
Phase Duration (G+Y+Rc), s		21.49			21.49		0.00	56.00			56.00	
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00			30.00	
Max Q Clear Time (g_c+I1), s		7.01			11.66		0.00	8.46			8.50	
Green Extension Time (p_c)		2.95			2.75		0.00	11.73			9.26	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			10.9									
HCM 2010 Level of Service			B									

HCM 2010 Signalized Intersection Summary  
5: Belmont Street & Shaws Plaza/West Street

School Peak No-Build  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	52	30	48	172	40	1	38	606	194	3	546	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.89		0.91	1.00		0.84	1.00		0.94	0.98		0.97
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1873	1873	1873	1840	1840	1840	1900	1759	1759	1830	1830	1830
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	133	70	70	0	312	7	52	1785	544	58	1943	148
Arriving On Green	0.18	0.18	0.18	0.00	0.18	0.18	0.03	0.70	0.70	0.61	0.61	0.61
Sat Flow, veh/h	451.7	247.6	397.1	0.0	1781.1	42.4	1809.5	2549.3	776.5	17.5	3284.9	243.3
Grp Volume(v), veh/h	165.6	0.0	0.0	0.0	0.0	44.3	41.6	457.1	407.8	357.0	0.0	317.4
Grp Sat Flow(s),veh/h/ln	1109.5	0.0	0.0	0.0	0.0	1823.5	1809.5	1758.8	1567.1	1820.5	0.0	1614.3
Q Serve(g_s), s	6.6	0.0	0.0	0.0	0.0	1.3	1.5	6.8	6.8	0.0	0.0	6.1
Cycle Q Clear(g_c), s	8.9	0.0	0.0	0.0	0.0	1.3	1.5	6.8	6.8	6.1	0.0	6.1
Proportion In Lane	0.407		0.358	0.000		0.023	1.000		0.496	0.010		0.151
Lane Grp Cap(c), veh/h	273.4	0.0	0.0	0.0	0.0	319.9	51.5	1231.3	1097.1	1166.0	0.0	983.7
V/C Ratio(X)	0.605	0.000	0.000	0.000	0.000	0.139	0.806	0.371	0.372	0.306	0.000	0.323
Avail Cap(c_a), veh/h	358.9	0.0	0.0	0.0	0.0	766.0	281.5	1231.3	1097.1	1166.0	0.0	983.7
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	24.5	0.0	0.0	0.0	0.0	22.4	31.0	3.9	3.9	6.1	0.0	6.1
Incr Delay (d2), s/veh	2.2	0.0	0.0	0.0	0.0	0.2	24.5	0.9	1.0	0.7	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.6	0.0	0.0	0.0	0.0	22.6	55.6	4.8	4.9	6.8	0.0	7.0
Lane Group LOS	C					C	E	A	A	A		A
Approach Volume, veh/h		166			44			906			674	
Approach Delay, s/veh		26.6			22.6			7.1			6.9	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4		3	8		5	2			6	
Phase Duration (G+Y+Rc), s		15.28		0.00	15.28		5.83	49.00			43.17	
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		17.00		6.00	27.00		10.00	45.00			31.00	
Max Q Clear Time (g_c+I1), s		10.92		0.00	3.32		3.47	8.78			8.14	
Green Extension Time (p_c)		0.63		0.00	1.41		0.03	13.56			11.12	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				9.2								
HCM 2010 Level of Service				A								

**Intersection**

Intersection Delay (sec/veh): 29.2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	39	281	118	61	299	16	93	36	92	27	37	45
Conflicting Peds.(#/hr)	1	0	1	5	0	5	2	0	2	1	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	45	321	135	70	341	18	106	41	105	31	42	51
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	360	0	0	458	0	0	1019	981	396	1045	1039	352
Stage 1	-	-	-	-	-	-	481	481	-	491	491	-
Stage 2	-	-	-	-	-	-	538	500	-	554	548	-
Follow-up Headway	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Capacity-1 Maneuver	1220	-	-	1103	-	-	208	238	653	198	215	802
Stage 1	-	-	-	-	-	-	566	554	-	613	567	-
Stage 2	-	-	-	-	-	-	570	560	-	517	517	-
Time blocked-Platoon(%)	20	-	-	0	-	-	20	20	0	20	20	20
Mov Capacity-1 Maneuver	1219	-	-	1098	-	-	146	207	649	127	188	800
Mov Capacity-2 Maneuver	-	-	-	-	-	-	146	207	-	127	188	-
Stage 1	-	-	-	-	-	-	537	525	-	582	521	-
Stage 2	-	-	-	-	-	-	450	515	-	378	490	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.7	1.4	129.4	36.6
HCM LOS	A	A	F	E

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	232							234
HCM Control Delay (s)	129.4	8.065	0	-	8.501	0	-	36.6
HCM Lane VC Ratio	1.087	0.037	-	-	0.063	-	-	0.532
HCM Lane LOS	F	A	A	-	A	A	-	E
HCM 95th Percentile Queue (veh)	11.072	0.114	-	-	0.203	-	-	2.823

**Intersection**

Intersection Delay (sec/veh): 121.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	484	56	118	441	140	198
Conflicting Peds.(#/hr)	0	23	42	0	23	42
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.95	0.95	0.62	0.62
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	552	64	130	487	237	335
Number of Lanes	1	0	0	1	1	1













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	658	0	1373	668
Stage 1	-	-	-	-	626	-
Stage 2	-	-	-	-	747	-
Follow-up Headway	-	-	2.218	-	3.518	3.318
Pot Capacity-1 Maneuver	-	-	930	-	# 116	458
Stage 1	-	-	-	-	533	-
Stage 2	-	-	-	-	467	-
Time blocked-Platoon(%)	-	-	0	-	34	0
Mov Capacity-1 Maneuver	-	-	897	-	# 88	427
Mov Capacity-2 Maneuver	-	-	-	-	# 88	-
Stage 1	-	-	-	-	514	-
Stage 2	-	-	-	-	367	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	2	\$ 382
HCM LOS	A	A	F

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	88	427				
HCM Control Delay (s)	\$ 868.6	38	-	-	9.695	-
HCM Lane VC Ratio	2.694	0.785	-	-	0.145	-
HCM Lane LOS	F	E	-	-	A	-
HCM 95th Percentile Queue (veh)	22.575	6.863	-	-	0.508	-

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forest Avenue

School Peak No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	513	117	5	412	31	77	54	3	21	71	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.57	1.00		0.95	0.98		0.73	0.89		0.98
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	80	423	90	75	549	39	390	247	11	159	488	198
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	43.0	1362.3	281.9	20.6	1643.3	121.8	592.6	382.0	22.0	247.2	782.2	381.2
Grp Volume(v), veh/h	792.4	0.0	0.0	532.8	0.0	0.0	286.8	0.0	0.0	186.6	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1622.8	0.0	0.0	1842.4	0.0	0.0	1030.2	0.0	0.0	1464.4	0.0	0.0
Q Serve(g_s), s	3.6	0.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	12.4	0.0	0.0	6.7	0.0	0.0	2.8	0.0	0.0
Proportion In Lane	0.027		0.174	0.011		0.066	0.575		0.021	0.169		0.260
Lane Grp Cap(c), veh/h	593.2	0.0	0.0	662.4	0.0	0.0	649.1	0.0	0.0	845.7	0.0	0.0
V/C Ratio(X)	1.336	0.000	0.000	0.804	0.000	0.000	0.442	0.000	0.000	0.221	0.000	0.000
Avail Cap(c_a), veh/h	593.2	0.0	0.0	662.4	0.0	0.0	649.1	0.0	0.0	845.7	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.6	0.0	0.0	8.4	0.0	0.0	6.6	0.0	0.0	6.4	0.0	0.0
Incr Delay (d2), s/veh	162.3	0.0	0.0	10.0	0.0	0.0	2.2	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	179.9	0.0	0.0	18.4	0.0	0.0	8.7	0.0	0.0	7.0	0.0	0.0
Lane Group LOS	F			B			A			A		
Approach Volume, veh/h		792			533			287			187	
Approach Delay, s/veh		179.9			18.4			8.7			7.0	
Approach LOS		F			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			14.44			8.68			4.83	
Green Extension Time (p_c)		0.00			1.23			2.98			3.20	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				86.8								
HCM 2010 Level of Service				F								



**Intersection**

Intersection Delay (sec/veh): 14.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	136	1	165	2	1	3	37	115	0	1	294	78
Conflicting Peds.(#/hr)	28	0	32	42	0	38	28	0	38	43	0	42
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	155	1	188	2	1	3	42	131	0	1	336	89
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0













Major/Minor	Minor 2			Minor 1			Major 1			Major 2		
Conflicting Flow Rate - All	674	672	451	766	716	216	457	0	0	173	0	0
Stage 1	415	415	-	257	257	-	-	-	-	-	-	-
Stage 2	259	257	-	509	459	-	-	-	-	-	-	-
Follow-up Headway	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Capacity-1 Maneuver	368	377	608	320	356	824	1104	-	-	1404	-	-
Stage 1	615	593	-	748	695	-	-	-	-	-	-	-
Stage 2	746	695	-	547	566	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	332	341	573	195	322	771	1069	-	-	1354	-	-
Mov Capacity-2 Maneuver	332	341	-	195	322	-	-	-	-	-	-	-
Stage 1	573	577	-	696	646	-	-	-	-	-	-	-
Stage 2	685	646	-	355	550	-	-	-	-	-	-	-

Approach	EB			WB			NB			SB		
HCM Control Delay (s)	39.3			15.6			2.1			0		
HCM LOS	E			C			A			A		

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				431	348			
HCM Control Delay (s)	8.506	0	-	39.3	15.6	7.661	0	-
HCM Lane VC Ratio	0.04	-	-	0.8	0.02	0.001	-	-
HCM Lane LOS	A	A	-	E	C	A	A	-
HCM 95th Percentile Queue (veh)	0.123	-	-	7.189	0.06	0.003	-	-
























HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forest Avenue

School Peak No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	38	576	25	41	480	26	43	100	28	37	84	27
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.77	1.00		0.98	0.98		0.68	1.00		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1812	1812	1812	1873	1873	1873	1827	1827	1827	1900	1900	1900
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	83	792	32	96	823	41	151	313	75	178	384	106
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	98.8	1408.2	61.9	132.2	1347.8	79.8	324.1	742.7	201.0	409.7	709.5	284.7
Grp Volume(v), veh/h	720.1	0.0	0.0	629.7	0.0	0.0	356.3	0.0	0.0	181.2	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1658.2	0.0	0.0	1759.3	0.0	0.0	1278.8	0.0	0.0	1624.6	0.0	0.0
Q Serve(g_s), s	7.3	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	24.7	0.0	0.0	17.4	0.0	0.0	15.9	0.0	0.0	4.8	0.0	0.0
Proportion In Lane	0.060		0.037	0.075		0.045	0.253		0.157	0.252		0.175
Lane Grp Cap(c), veh/h	907.3	0.0	0.0	960.1	0.0	0.0	539.4	0.0	0.0	667.8	0.0	0.0
V/C Ratio(X)	0.794	0.000	0.000	0.656	0.000	0.000	0.660	0.000	0.000	0.271	0.000	0.000
Avail Cap(c_a), veh/h	907.3	0.0	0.0	960.1	0.0	0.0	539.4	0.0	0.0	667.8	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	13.7	0.0	0.0	12.5	0.0	0.0	18.0	0.0	0.0	15.3	0.0	0.0
Incr Delay (d2), s/veh	7.1	0.0	0.0	3.5	0.0	0.0	6.2	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	20.8	0.0	0.0	16.0	0.0	0.0	24.3	0.0	0.0	16.3	0.0	0.0
Lane Group LOS	C			B			C			B		
Approach Volume, veh/h		720			630			356			181	
Approach Delay, s/veh		20.8			16.0			24.3			16.3	
Approach LOS		C			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00				30.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		36.00			36.00			26.00				26.00
Max Q Clear Time (g_c+I1), s		26.70			19.41			17.90				6.84
Green Extension Time (p_c)		6.08			9.21			2.27				3.60
<b>Intersection Summary</b>												
HCM 2010 Control Delay				19.4								
HCM 2010 Level of Service				B								













HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

School Peak No-Build  
 12/9/2014

													
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations								 			 		
Volume (vph)	50	9	44	151	2	10	75	679	43	50	695	22	
Number	7	4	14	3	8	18	5	2	12	1	6	16	
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	0.57		0.73	0.78		0.74	1.00		0.99	1.00		0.75	
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Adj Sat Flow Rate	1727	1824	1824	1610	1477	1477	1827	1821	1821	1610	1829	1829	
Lanes	1	1	0	1	1	0	1	2	0	1	2	0	
Capacity, veh/h	185	39	187	280	42	206	81	1704	107	67	1744	55	
Arriving On Green	0.02	0.19	0.19	0.08	0.25	0.25	0.05	0.50	0.50	0.04	0.50	0.50	
Sat Flow, veh/h	1645.0	207.3	1003.7	1533.5	166.8	825.6	1739.9	3389.1	212.4	1533.5	3487.4	109.2	
Grp Volume(v), veh/h	56.7	0.0	59.7	234.6	0.0	18.5	83.2	404.7	396.2	55.5	404.3	391.2	
Grp Sat Flow(s),veh/h/ln	1645.0	0.0	1211.0	1533.5	0.0	992.4	1739.9	1820.6	1780.9	1533.5	1829.0	1767.6	
Q Serve(g_s), s	0.0	0.0	3.6	7.0	0.0	1.2	4.0	12.2	12.2	3.1	12.2	12.2	
Cycle Q Clear(g_c), s	0.0	0.0	3.6	7.0	0.0	1.2	4.0	12.2	12.2	3.1	12.2	12.2	
Proportion In Lane	1.000		0.829	1.000		0.832	1.000		0.119	1.000		0.062	
Lane Grp Cap(c), veh/h	184.6	0.0	225.0	280.5	0.0	247.9	80.9	915.5	895.5	67.2	914.8	884.0	
V/C Ratio(X)	0.307	0.000	0.265	0.837	0.000	0.075	1.028	0.442	0.442	0.826	0.442	0.443	
Avail Cap(c_a), veh/h	232.5	0.0	281.7	280.5	0.0	265.5	80.9	915.5	895.5	214.0	914.8	884.0	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
Uniform Delay (d), s/veh	36.4	0.0	30.0	33.4	0.0	24.7	41.0	13.7	13.7	40.8	13.8	13.8	
Incr Delay (d2), s/veh	0.9	0.0	0.6	19.3	0.0	0.1	108.0	1.5	1.6	21.5	1.5	1.6	
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lane Group Delay (d), s/veh	37.3	0.0	30.6	52.8	0.0	24.8	149.0	15.2	15.3	62.3	15.3	15.4	
Lane Group LOS	D		C	D		C	F	B	B	E	B	B	
Approach Volume, veh/h		116			253			884			851		
Approach Delay, s/veh		33.9			50.7			27.8			18.4		
Approach LOS		C			D			C			B		
<b>Timer</b>													
Assigned Phase	7	4		3	8		5	2		1	6		
Phase Duration (G+Y+Rc), s	5.50	19.98		11.00	25.48		8.00	47.23		7.77	47.00		
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00		
Max Green Setting (Gmax), s	4.00	20.00		7.00	23.00		4.00	35.00		12.00	43.00		
Max Q Clear Time (g_c+I1), s	2.00	5.63		9.00	3.22		6.00	14.23		5.09	14.21		
Green Extension Time (p_c)	0.02	0.34		0.00	0.42		0.00	10.75		0.05	12.66		
<b>Intersection Summary</b>													
HCM 2010 Control Delay				27.1									
HCM 2010 Level of Service				C									













HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street

PM Peak No Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	154	322	34	70	255	74	44	294	64	49	447	193
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		0.99	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1865	1865	1865	1875	1875	1875	1869	1869	1869	1877	1877	1877
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	256	450	42	164	557	141	94	401	77	125	844	333
Arriving On Green	0.50	0.50	0.50	0.50	0.50	0.50	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	425.8	680.0	84.1	282.1	828.6	284.0	151.0	1017.2	209.2	240.8	2009.7	900.5
Grp Volume(v), veh/h	549.7	0.0	0.0	451.4	0.0	0.0	445.6	0.0	0.0	409.4	0.0	350.0
Grp Sat Flow(s),veh/h/ln	1346.1	0.0	0.0	1593.6	0.0	0.0	1369.4	0.0	0.0	1801.3	0.0	1534.9
Q Serve(g_s), s	6.7	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	11.2
Cycle Q Clear(g_c), s	16.7	0.0	0.0	10.0	0.0	0.0	18.4	0.0	0.0	10.6	0.0	11.2
Proportion In Lane	0.316		0.062	0.177		0.178	0.110		0.153	0.134		0.587
Lane Grp Cap(c), veh/h	748.1	0.0	0.0	862.8	0.0	0.0	573.0	0.0	0.0	734.2	0.0	567.9
V/C Ratio(X)	0.735	0.000	0.000	0.523	0.000	0.000	0.778	0.000	0.000	0.558	0.000	0.616
Avail Cap(c_a), veh/h	748.1	0.0	0.0	862.8	0.0	0.0	588.5	0.0	0.0	750.6	0.0	587.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.978	0.000	0.000	0.826	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	11.0	0.0	0.0	10.1	0.0	0.0	16.4	0.0	0.0	15.3	0.0	15.5
Incr Delay (d2), s/veh	6.3	0.0	0.0	2.2	0.0	0.0	5.3	0.0	0.0	0.9	0.0	1.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	17.4	0.0	0.0	12.4	0.0	0.0	21.8	0.0	0.0	16.2	0.0	17.4
Lane Group LOS	B			B			C			B		B
Approach Volume, veh/h		550			451			446			759	
Approach Delay, s/veh		17.4			12.4			21.8			16.7	
Approach LOS		B			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8			4	
Phase Duration (G+Y+Rc), s		34.00			34.00			26.32			26.32	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00			23.00			23.00	
Max Q Clear Time (g_c+I1), s		18.67			11.99			20.36			13.22	
Green Extension Time (p_c)		5.59			7.39			1.83			5.50	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				17.0								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 24: Warren Ave & Forrest Street

PM Peak No Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	41	240	133	18	175	18	109	253	35	30	379	39
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.95	0.98		0.97	0.99		0.98	0.99		0.97
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1868	1868	1868	1936	1936	1936	1838	1838	1838
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	108	321	158	98	495	46	246	538	64	105	777	73
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	159.5	892.0	492.7	150.0	1294.5	142.9	400.3	740.2	122.4	113.5	1340.1	140.5
Grp Volume(v), veh/h	450.6	0.0	0.0	239.8	0.0	0.0	471.7	0.0	0.0	538.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1585.7	0.0	0.0	1751.6	0.0	0.0	1452.0	0.0	0.0	1687.5	0.0	0.0
Q Serve(g_s), s	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	11.1	0.0	0.0	5.1	0.0	0.0	7.9	0.0	0.0	10.2	0.0	0.0
Proportion In Lane	0.101		0.311	0.086		0.082	0.276		0.084	0.067		0.083
Lane Grp Cap(c), veh/h	586.7	0.0	0.0	638.7	0.0	0.0	846.9	0.0	0.0	954.4	0.0	0.0
V/C Ratio(X)	0.768	0.000	0.000	0.376	0.000	0.000	0.557	0.000	0.000	0.564	0.000	0.000
Avail Cap(c_a), veh/h	586.7	0.0	0.0	638.7	0.0	0.0	846.9	0.0	0.0	954.4	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.7	0.0	0.0	13.3	0.0	0.0	7.7	0.0	0.0	8.2	0.0	0.0
Incr Delay (d2), s/veh	9.3	0.0	0.0	1.7	0.0	0.0	2.6	0.0	0.0	2.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	17.0	0.0	0.0	15.0	0.0	0.0	10.3	0.0	0.0	10.6	0.0	0.0
Lane Group LOS	B			B			B			B		
Approach Volume, veh/h		451			240			472			538	
Approach Delay, s/veh		17.0			15.0			10.3			10.6	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		13.13			7.11			9.85			12.20	
Green Extension Time (p_c)		1.25			3.04			6.78			6.20	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.8								
HCM 2010 Level of Service				B								

**Intersection**

Intersection Delay (sec/veh): 204.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	33	368	173	94	364	12	97	48	99	15	55	45
Conflicting Peds.(#/hr)	0	0	2	5	0	3	2	0	5	3	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.90	0.90	0.90	0.90	0.90	0.90	0.85	0.85	0.85
Heavy Vehicles(%)	0	1	1	0	1	0	0	2	3	0	0	2
Movement Flow Rate	36	398	187	110	425	14	113	56	116	19	68	56
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0











Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	442	0	0	590	0	0	1286	1231	502	1310	1317	437
Stage 1	-	-	-	-	-	-	569	569	-	655	655	-
Stage 2	-	-	-	-	-	-	717	662	-	655	662	-
Follow-up Headway	2.2	-	-	2.2	-	-	3.5	4.018	3.327	3.5	4	3.318
Pot Capacity-1 Maneuver	1139	-	-	995	-	-	120	151	567	114	130	733
Stage 1	-	-	-	-	-	-	511	506	-	489	466	-
Stage 2	-	-	-	-	-	-	441	459	-	458	462	-
Time blocked-Platoon(%)	25	-	-	0	-	-	25	25	0	25	25	25
Mov Capacity-1 Maneuver	1137	-	-	991	-	-	# 46	122	562	50	105	730
Mov Capacity-2 Maneuver	-	-	-	-	-	-	# 46	122	-	50	105	-
Stage 1	-	-	-	-	-	-	484	480	-	464	397	-
Stage 2	-	-	-	-	-	-	287	390	-	305	438	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.5	1.8	\$ 1057.2	172.1
HCM LOS	A	A	F	F

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	91							130
HCM Control Delay (s)	\$ 1057.2	8.269	0	-	9.084	0	-	172.1
HCM Lane VC Ratio	3.128	0.031	-	-	0.111	-	-	1.093
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th Percentile Queue (veh)	28.018	0.097	-	-	0.372	-	-	8.091

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

PM Peak No Build  
 12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	311	2	0	535	450	314
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					0.97
Frt	0.999					0.850
Flt Protected	0.953					
Satd. Flow (prot)	1773	0	0	1863	1863	1583
Flt Permitted	0.953					
Satd. Flow (perm)	1767	0	0	1863	1863	1539
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	17					
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Confl. Peds. (#/hr)	3	3				4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Growth Factor	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	337	2	0	579	487	340
Shared Lane Traffic (%)						
Lane Group Flow (vph)	339	0	0	579	487	340
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

PM Peak No Build  
 12/9/2014



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Protected Phases	4			2	2	4
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			Max	Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effct Green (s)	14.6			41.0	41.0	55.7
Actuated g/C Ratio	0.23			0.64	0.64	0.87
v/c Ratio	0.81			0.48	0.41	0.25
Control Delay	38.7			7.8	7.0	0.8
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	38.7			7.8	7.0	0.8
LOS	D			A	A	A
Approach Delay	38.7			7.8	4.4	
Approach LOS	D			A	A	

Intersection Summary

Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 63.7  
 Natural Cycle: 45  
 Control Type: Semi Act-Uncoord  
 Maximum v/c Ratio: 0.81  
 Intersection Signal Delay: 12.2  
 Intersection Capacity Utilization 54.5%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 10: Belmont Street & Torrey Street





HCM 2010 Signalized Intersection Summary  
 5: Belmont Street & Shaws Plaza/West Street

PM Peak No Build  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	40	43	47	188	30	2	41	590	281	2	668	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1876	1876	1876	1868	1868	1868	1900	1817	1817	1865	1865	1865
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	127	84	67	0	253	16	68	1670	757	68	1997	97
Arriving On Green	0.15	0.15	0.15	0.00	0.15	0.15	0.04	0.71	0.71	0.59	0.59	0.59
Sat Flow, veh/h	409.2	388.8	457.9	0.0	1737.5	110.3	1809.5	2365.8	1073.1	10.0	3481.3	162.6
Grp Volume(v), veh/h	147.4	0.0	0.0	0.0	0.0	36.8	47.3	522.8	466.8	427.2	0.0	383.3
Grp Sat Flow(s),veh/h/ln	1306.9	0.0	0.0	0.0	0.0	1847.8	1809.5	1816.8	1622.1	1859.5	0.0	1667.6
Q Serve(g_s), s	3.6	0.0	0.0	0.0	0.0	0.9	1.4	6.4	6.4	0.0	0.0	6.5
Cycle Q Clear(g_c), s	5.5	0.0	0.0	0.0	0.0	0.9	1.4	6.4	6.4	6.5	0.0	6.5
Proportion In Lane	0.313		0.350	0.000		0.060	1.000		0.662	0.005		0.097
Lane Grp Cap(c), veh/h	278.2	0.0	0.0	0.0	0.0	269.2	68.2	1282.2	1144.7	1171.4	0.0	990.2
V/C Ratio(X)	0.530	0.000	0.000	0.000	0.000	0.137	0.694	0.408	0.408	0.365	0.000	0.387
Avail Cap(c_a), veh/h	559.9	0.0	0.0	0.0	0.0	995.2	168.0	1282.2	1144.7	1171.4	0.0	990.2
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	0.864	0.864	0.864	0.940	0.000	0.940
Uniform Delay (d), s/veh	20.9	0.0	0.0	0.0	0.0	20.0	25.6	3.3	3.3	5.8	0.0	5.8
Incr Delay (d2), s/veh	1.6	0.0	0.0	0.0	0.0	0.2	10.4	0.2	0.2	0.2	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	22.5	0.0	0.0	0.0	0.0	20.3	36.0	3.5	3.5	5.9	0.0	6.0
Lane Group LOS	C					C	D	A	A	A		A
Approach Volume, veh/h		147			37			1037			810	
Approach Delay, s/veh		22.5			20.3			4.9			6.0	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4		3	8		5	2			6	
Phase Duration (G+Y+Rc), s		11.84		0.00	11.84		6.03	42.00			35.97	
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		21.00		4.00	29.00		5.00	38.00			29.00	
Max Q Clear Time (g_c+I1), s		7.54		0.00	2.94		3.39	8.40			8.53	
Green Extension Time (p_c)		0.83		0.00	1.12		0.01	15.24			12.30	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				6.9								
HCM 2010 Level of Service				A								

HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Street

PM Peak No Build  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	40	179	63	31	138	16	25	625	22	39	600	45
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		0.99	1.00		1.00	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1871	1871	1871	1858	1858	1858	1857	1857	1857	1867	1867	1867
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	123	455	143	83	248	25	0	2460	82	136	1964	138
Arriving On Green	0.21	0.21	0.21	0.21	0.21	0.21	0.00	0.69	0.69	0.69	0.69	0.69
Sat Flow, veh/h	457.8	1885.4	695.2	246.0	1040.9	120.9	0.0	3572.9	119.7	180.8	2830.2	200.0
Grp Volume(v), veh/h	163.9	0.0	154.5	210.3	0.0	0.0	0.0	370.7	366.6	371.5	0.0	406.7
Grp Sat Flow(s),veh/h/ln	1643.6	0.0	1569.0	1462.0	0.0	0.0	0.0	1857.2	1835.5	1509.3	0.0	1662.7
Q Serve(g_s), s	0.0	0.0	6.6	3.2	0.0	0.0	0.0	5.9	5.9	0.0	0.0	7.6
Cycle Q Clear(g_c), s	5.8	0.0	6.6	9.7	0.0	0.0	0.0	5.9	5.9	5.8	0.0	7.6
Proportion In Lane	0.279		0.443	0.168		0.083	0.000		0.065	0.120		0.120
Lane Grp Cap(c), veh/h	398.8	0.0	322.5	356.2	0.0	0.0	0.0	1278.7	1263.7	1092.6	0.0	1144.8
V/C Ratio(X)	0.411	0.000	0.479	0.590	0.000	0.000	0.000	0.290	0.290	0.340	0.000	0.355
Avail Cap(c_a), veh/h	641.0	0.0	653.0	621.8	0.0	0.0	0.0	1278.7	1263.7	1092.6	0.0	1144.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	26.1	0.0	26.4	27.3	0.0	0.0	0.0	4.6	4.6	4.6	0.0	4.9
Incr Delay (d2), s/veh	0.7	0.0	1.1	1.6	0.0	0.0	0.0	0.6	0.6	0.2	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.8	0.0	27.5	28.8	0.0	0.0	0.0	5.2	5.2	4.8	0.0	5.0
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		318			210			737			778	
Approach Delay, s/veh		27.2			28.8			5.2			4.9	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2			6	
Phase Duration (G+Y+Rc), s		19.52			19.52		0.00	56.00			56.00	
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00			30.00	
Max Q Clear Time (g_c+I1), s		8.56			11.73		0.00	7.87			9.62	
Green Extension Time (p_c)		3.30			3.13		0.00	14.01			10.27	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				10.9								
HCM 2010 Level of Service				B								

**Intersection**

Intersection Delay (sec/veh): 3.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	675	35	81	536	23	49
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	770	40	92	612	26	56
Number of Lanes	1	0	0	1	1	1













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	810	0	1586	790
Stage 1	-	-	-	-	790	-
Stage 2	-	-	-	-	796	-
Follow-up Headway	-	-	2.218	-	3.518	3.318
Pot Capacity-1 Maneuver	-	-	816	-	63	390
Stage 1	-	-	-	-	447	-
Stage 2	-	-	-	-	443	-
Time blocked-Platoon(%)	-	-	0	-	42	0
Mov Capacity-1 Maneuver	-	-	816	-	52	390
Mov Capacity-2 Maneuver	-	-	-	-	52	-
Stage 1	-	-	-	-	447	-
Stage 2	-	-	-	-	367	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	1.3	52.5
HCM LOS	A	A	F

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	52	390				
HCM Control Delay (s)	130.6	15.8	-	-	9.975	-
HCM Lane VC Ratio	0.505	0.143	-	-	0.113	-
HCM Lane LOS	F	C	-	-	A	-
HCM 95th Percentile Queue (veh)	1.917	0.496	-	-	0.382	-

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forrest Street

PM Peak No Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	509	134	9	439	25	69	57	8	23	81	25
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.99	0.99		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	80	450	111	77	559	30	363	274	32	174	560	149
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	46.1	1324.9	345.8	35.3	1631.0	93.4	555.8	433.6	61.4	275.9	893.4	285.6
Grp Volume(v), veh/h	707.5	0.0	0.0	510.7	0.0	0.0	144.6	0.0	0.0	138.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1770.8	0.0	0.0	1851.6	0.0	0.0	1076.3	0.0	0.0	1533.0	0.0	0.0
Q Serve(g_s), s	4.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	11.1	0.0	0.0	2.1	0.0	0.0	2.0	0.0	0.0
Proportion In Lane	0.026		0.195	0.019		0.050	0.516		0.057	0.180		0.186
Lane Grp Cap(c), veh/h	640.5	0.0	0.0	665.9	0.0	0.0	668.9	0.0	0.0	882.1	0.0	0.0
V/C Ratio(X)	1.105	0.000	0.000	0.767	0.000	0.000	0.216	0.000	0.000	0.157	0.000	0.000
Avail Cap(c_a), veh/h	640.5	0.0	0.0	665.9	0.0	0.0	668.9	0.0	0.0	882.1	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.7	0.0	0.0	8.1	0.0	0.0	6.2	0.0	0.0	6.2	0.0	0.0
Incr Delay (d2), s/veh	67.7	0.0	0.0	8.2	0.0	0.0	0.7	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	85.4	0.0	0.0	16.4	0.0	0.0	7.0	0.0	0.0	6.6	0.0	0.0
Lane Group LOS	F			B			A			A		
Approach Volume, veh/h		708			511			145			138	
Approach Delay, s/veh		85.4			16.4			7.0			6.6	
Approach LOS		F			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			13.14			4.09			4.00	
Green Extension Time (p_c)		0.00			2.01			1.67			1.67	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				47.1								
HCM 2010 Level of Service				D								

**Intersection**

Intersection Delay (sec/veh): 182.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	152	2	168	3	1	1	155	470	1	0	348	93
Conflicting Peds.(#/hr)	42	0	44	26	0	24	44	0	26	24	0	42
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.48	0.48	0.48	0.92	0.92	0.92	0.86	0.86	0.86
Heavy Vehicles(%)	3	0	1	0	0	0	1	1	0	0	3	1
Movement Flow Rate	173	2	192	7	2	2	177	536	1	0	425	114
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Minor 2		Minor 1			Major 1			Major 2			
Conflicting Flow Rate - All	1445	1443	570	1540	1500	605	583	0	0	563	0	0
Stage 1	526	526	-	917	917	-	-	-	-	-	-	-
Stage 2	919	917	-	623	583	-	-	-	-	-	-	-
Follow-up Headway	3.527	4	3.309	3.5	4	3.3	2.209	-	-	2.2	-	-
Pot Capacity-1 Maneuver	# 109	133	523	95	123	501	996	-	-	1019	-	-
Stage 1	533	532	-	329	354	-	-	-	-	-	-	-
Stage 2	324	354	-	477	502	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	# 79	93	485	43	86	475	959	-	-	983	-	-
Mov Capacity-2 Maneuver	# 79	93	-	43	86	-	-	-	-	-	-	-
Stage 1	378	512	-	238	256	-	-	-	-	-	-	-
Stage 2	227	256	-	277	484	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	\$ 801.4	77.9	2.4	0
HCM LOS	F	F	A	A

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				140	60			
HCM Control Delay (s)	9.601	0	-	\$ 77.9	77.9	0	-	-
HCM Lane VC Ratio	0.184	-	-	2.625	0.182	-	-	-
HCM Lane LOS	A	A	-	F	F	A	-	-
HCM 95th Percentile Queue (veh)	0.674	-	-	32.657	0.608	0	-	-

**Intersection**

Intersection Delay (sec/veh): 136.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	0	642	374	219	302	0
Conflicting Peds.(#/hr)	4	0	0	4	4	4
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade (%)		0%	0%		0%	
Peak Hour Factor	0.93	0.93	0.90	0.90	0.91	0.91
Heavy Vehicles(%)	0	1	1	1	2	0
Movement Flow Rate	0	725	436	256	348	0
Number of Lanes	0	1	1	0	1	0













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	-	0	0	0	1293	-
Stage 1	-	-	-	-	568	-
Stage 2	-	-	-	-	725	-
Follow-up Headway	0	-	-	-	3.518	0
Pot Capacity-1 Maneuver	0	-	-	-	# 147	0
Stage 1	0	-	-	-	591	0
Stage 2	0	-	-	-	479	0
Time blocked-Platoon(%)	0	-	-	-	26	0
Mov Capacity-1 Maneuver	-	-	-	-	# 146	-
Mov Capacity-2 Maneuver	-	-	-	-	# 146	-
Stage 1	-	-	-	-	589	-
Stage 2	-	-	-	-	477	-

Approach	EB	WB	SB
HCM Control Delay (s)	0	0	\$ 693.6
HCM LOS	A	A	F

Lane	EBT	WBT	WBR	SBLn1
Capacity (vph)				146
HCM Control Delay (s)	-	-	-	\$ -1
HCM Lane VC Ratio	-	-	-	2.387
HCM Lane LOS	-	-	-	F
HCM 95th Percentile Queue (veh)	-	-	-	29.706













HCM 2010 Signalized Intersection Summary  
 3: Belmont Street & West Street

PM Peak No Build  
 12/9/2014

												
Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↑	↗		↔			↕	↗
Volume (vph)	4	216	39	4	233	232	129	522	6	46	409	4
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1884	1884	1884	1811	1811	1881	1849	1849	1849	1830	1830	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	77	391	66	77	451	400	147	867	9	147	870	843
Arriving On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.52	0.52	0.52	0.52	0.52	0.00
Sat Flow, veh/h	28.3	1502.5	263.0	30.3	1764.4	1585.7	0.0	2404.1	18.2	0.0	1665.7	1615.0
Grp Volume(v), veh/h	275.5	0.0	0.0	253.9	0.0	236.7	138.2	0.0	565.4	49.3	438.2	0.0
Grp Sat Flow(s),veh/h/ln	1820.5	0.0	0.0	1794.7	0.0	1585.7	0.0	0.0	1678.9	0.0	1665.7	1615.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	11.8	0.0	6.0	0.0
Cycle Q Clear(g_c), s	6.4	0.0	0.0	6.0	0.0	6.4	25.5	0.0	11.8	25.5	6.0	0.0
Proportion In Lane	0.016		0.144	0.017		1.000	1.000		0.011	1.000		1.000
Lane Grp Cap(c), veh/h	534.4	0.0	0.0	528.0	0.0	400.3	147.5	0.0	876.8	147.5	0.0	843.5
V/C Ratio(X)	0.516	0.000	0.000	0.481	0.000	0.591	0.937	0.000	0.645	0.334	0.000	0.000
Avail Cap(c_a), veh/h	851.8	0.0	0.0	840.0	0.0	682.0	147.5	0.0	876.8	147.5	0.0	843.5
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	0.000
Uniform Delay (d), s/veh	16.1	0.0	0.0	15.9	0.0	16.0	24.4	0.0	8.4	24.4	0.0	0.0
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.7	0.0	1.4	59.0	0.0	3.6	6.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	16.8	0.0	0.0	16.5	0.0	17.4	83.4	0.0	12.0	30.4	0.0	0.0
Lane Group LOS	B			B		B	F		B	C		
Approach Volume, veh/h		276			491			704			488	
Approach Delay, s/veh		16.8			17.0			26.1			3.1	
Approach LOS		B			B			C			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		17.83			17.83			31.00			31.00	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		21.00			21.00			25.50			25.50	
Max Q Clear Time (g_c+I1), s		8.45			8.41			27.50			27.50	
Green Extension Time (p_c)		3.35			3.36			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					16.8							
HCM 2010 Level of Service					B							

HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forrest Street

PM Peak No Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	35	622	21	41	507	37	51	124	46	46	126	31
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.98	0.99		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	79	846	27	92	809	54	148	335	105	147	374	78
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	90.2	1497.1	51.5	123.0	1329.1	105.7	329.0	732.3	282.6	329.1	813.5	211.3
Grp Volume(v), veh/h	756.2	0.0	0.0	651.5	0.0	0.0	244.4	0.0	0.0	225.1	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1744.7	0.0	0.0	1749.9	0.0	0.0	1411.6	0.0	0.0	1442.0	0.0	0.0
Q Serve(g_s), s	6.2	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	24.7	0.0	0.0	18.5	0.0	0.0	7.2	0.0	0.0	6.2	0.0	0.0
Proportion In Lane	0.052		0.030	0.070		0.060	0.233		0.200	0.228		0.147
Lane Grp Cap(c), veh/h	951.4	0.0	0.0	955.0	0.0	0.0	587.7	0.0	0.0	598.8	0.0	0.0
V/C Ratio(X)	0.795	0.000	0.000	0.682	0.000	0.000	0.416	0.000	0.000	0.376	0.000	0.000
Avail Cap(c_a), veh/h	951.4	0.0	0.0	955.0	0.0	0.0	587.7	0.0	0.0	598.8	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	13.9	0.0	0.0	12.8	0.0	0.0	16.0	0.0	0.0	15.8	0.0	0.0
Incr Delay (d2), s/veh	6.8	0.0	0.0	3.9	0.0	0.0	2.2	0.0	0.0	1.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	20.7	0.0	0.0	16.7	0.0	0.0	18.2	0.0	0.0	17.6	0.0	0.0
Lane Group LOS	C			B			B			B		
Approach Volume, veh/h		756			651			244			225	
Approach Delay, s/veh		20.7			16.7			18.2			17.6	
Approach LOS		C			B			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00				30.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		36.00			36.00			26.00				26.00
Max Q Clear Time (g_c+I1), s		26.69			20.52			9.22				8.23
Green Extension Time (p_c)		6.29			9.16			2.75				2.82
<b>Intersection Summary</b>												
HCM 2010 Control Delay				18.6								
HCM 2010 Level of Service				B								















HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

PM Peak No Build  
 12/9/2014

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	60	15	40	67	7	63	36	826	27	69	809	47
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.69		0.86	0.86		0.80	1.00		0.99	1.00		0.77
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1900	1786	1786	1863	1896	1896	1900	1864	1864	1881	1863	1863
Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Capacity, veh/h	253	84	212	278	31	263	58	1641	51	108	1664	92
Arriving On Green	0.04	0.21	0.21	0.05	0.22	0.22	0.03	0.46	0.46	0.06	0.48	0.48
Sat Flow, veh/h	1809.5	400.5	1017.1	1774.0	139.5	1195.6	1809.5	3594.9	111.9	1791.6	3434.9	190.0
Grp Volume(v), veh/h	72.4	0.0	64.1	80.9	0.0	80.9	43.4	516.9	511.1	83.3	529.4	501.0
Grp Sat Flow(s),veh/h/ln	1809.5	0.0	1417.6	1774.0	0.0	1335.1	1809.5	1863.9	1842.9	1791.6	1862.7	1762.2
Q Serve(g_s), s	0.0	0.0	2.7	2.8	0.0	3.6	1.7	15.1	15.1	3.3	14.8	14.8
Cycle Q Clear(g_c), s	0.0	0.0	2.7	2.8	0.0	3.6	1.7	15.1	15.1	3.3	14.8	14.8
Proportion In Lane	1.000		0.717	1.000		0.896	1.000		0.061	1.000		0.108
Lane Grp Cap(c), veh/h	253.4	0.0	295.9	278.1	0.0	293.3	58.3	850.7	841.1	107.9	902.4	853.7
V/C Ratio(X)	0.286	0.000	0.217	0.291	0.000	0.276	0.746	0.608	0.608	0.772	0.587	0.587
Avail Cap(c_a), veh/h	301.8	0.0	313.7	330.6	0.0	313.9	150.2	850.7	841.1	223.0	927.5	877.4
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	0.878	0.878	0.878
Uniform Delay (d), s/veh	30.0	0.0	23.7	24.9	0.0	23.4	34.7	14.8	14.8	33.5	13.4	13.4
Incr Delay (d2), s/veh	0.6	0.0	0.4	0.6	0.0	0.5	17.0	1.3	1.3	9.8	0.8	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	30.6	0.0	24.1	25.5	0.0	23.9	51.7	16.0	16.0	43.3	14.2	14.3
Lane Group LOS	C		C	C		C	D	B	B	D	B	B
Approach Volume, veh/h		136			162			1071			1114	
Approach Delay, s/veh		27.5			24.7			17.5			16.4	
Approach LOS		C			C			B			B	
<b>Timer</b>												
Assigned Phase	7	4		3	8		5	2		1	6	
Phase Duration (G+Y+Rc), s	7.07	19.09		7.86	19.88		6.33	37.00		8.35	39.03	
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00	
Max Green Setting (Gmax), s	5.00	16.00		6.00	17.00		6.00	33.00		9.00	36.00	
Max Q Clear Time (g_c+I1), s	2.00	4.71		4.79	5.64		3.72	17.08		5.31	16.81	
Green Extension Time (p_c)	0.03	0.61		0.02	0.62		0.01	11.53		0.05	13.27	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			18.0									
HCM 2010 Level of Service			B									













HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street

AM No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	115	303	11	49	171	65	10	279	49	60	268	139
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		1.00	1.00		0.99	1.00		0.98	0.99		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1797	1797	1797	1823	1823	1823	1795	1795	1795	1814	1814	1814
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	223	540	17	166	534	176	72	464	76	170	605	280
Arriving On Green	0.54	0.54	0.54	0.54	0.54	0.54	0.32	0.32	0.32	0.32	0.32	0.32
Sat Flow, veh/h	349.2	826.6	31.8	259.1	769.0	327.3	50.8	1357.4	237.0	396.2	1576.0	876.0
Grp Volume(v), veh/h	499.9	0.0	0.0	352.4	0.0	0.0	379.0	0.0	0.0	301.8	0.0	287.7
Grp Sat Flow(s),veh/h/ln	1301.0	0.0	0.0	1490.7	0.0	0.0	1704.4	0.0	0.0	1556.4	0.0	1486.7
Q Serve(g_s), s	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1
Cycle Q Clear(g_c), s	13.3	0.0	0.0	6.5	0.0	0.0	10.5	0.0	0.0	7.6	0.0	9.1
Proportion In Lane	0.268		0.024	0.174		0.220	0.030		0.139	0.255		0.589
Lane Grp Cap(c), veh/h	780.1	0.0	0.0	875.9	0.0	0.0	611.8	0.0	0.0	578.9	0.0	475.8
V/C Ratio(X)	0.641	0.000	0.000	0.402	0.000	0.000	0.619	0.000	0.000	0.521	0.000	0.605
Avail Cap(c_a), veh/h	780.1	0.0	0.0	875.9	0.0	0.0	760.9	0.0	0.0	687.9	0.0	625.4
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.979	0.000	0.000	0.767	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	8.5	0.0	0.0	7.5	0.0	0.0	16.5	0.0	0.0	15.5	0.0	16.0
Incr Delay (d2), s/veh	4.0	0.0	0.0	1.3	0.0	0.0	0.8	0.0	0.0	0.7	0.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	12.5	0.0	0.0	8.9	0.0	0.0	17.3	0.0	0.0	16.2	0.0	17.3
Lane Group LOS	B			A			B			B		B
Approach Volume, veh/h		500			352			379			590	
Approach Delay, s/veh		12.5			8.9			17.3			16.7	
Approach LOS		B			A			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		34.00			34.00			21.88				21.88
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		30.00			30.00			23.00				23.00
Max Q Clear Time (g_c+I1), s		15.32			8.53			12.52				11.12
Green Extension Time (p_c)		5.35			6.39			4.62				5.00
<b>Intersection Summary</b>												
HCM 2010 Control Delay				14.2								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
24: Warren Ave & Forrest Avenue

AM No-Build  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	37	218	56	22	162	17	64	242	35	27	208	15
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.97		0.95	0.97		0.95	0.98		0.98	0.99		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1792	1792	1792	1785	1785	1785	1900	1900	1900	1819	1819	1819
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	112	378	86	104	446	41	179	622	78	122	755	48
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	185.6	1022.0	267.5	175.7	1173.7	129.3	287.7	990.5	149.9	176.1	1225.1	93.2
Grp Volume(v), veh/h	344.4	0.0	0.0	226.0	0.0	0.0	414.3	0.0	0.0	287.6	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1546.6	0.0	0.0	1598.5	0.0	0.0	1525.6	0.0	0.0	1625.5	0.0	0.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	6.0	0.0	0.0	5.0	0.0	0.0	6.9	0.0	0.0	4.6	0.0	0.0
Proportion In Lane	0.120		0.173	0.110		0.081	0.189		0.098	0.108		0.057
Lane Grp Cap(c), veh/h	575.5	0.0	0.0	591.4	0.0	0.0	878.9	0.0	0.0	925.1	0.0	0.0
V/C Ratio(X)	0.598	0.000	0.000	0.382	0.000	0.000	0.471	0.000	0.000	0.311	0.000	0.000
Avail Cap(c_a), veh/h	575.5	0.0	0.0	591.4	0.0	0.0	878.9	0.0	0.0	925.1	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.2	0.0	0.0	13.3	0.0	0.0	7.4	0.0	0.0	6.9	0.0	0.0
Incr Delay (d2), s/veh	4.5	0.0	0.0	1.9	0.0	0.0	1.8	0.0	0.0	0.9	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	11.7	0.0	0.0	15.1	0.0	0.0	9.2	0.0	0.0	7.7	0.0	0.0
Lane Group LOS	B			B			A			A		
Approach Volume, veh/h		344			226			414			288	
Approach Delay, s/veh		11.7			15.1			9.2			7.7	
Approach LOS		B			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		8.01			7.04			8.87			6.58	
Green Extension Time (p_c)		2.28			2.45			4.41			4.64	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				10.6								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

AM No-Build  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	13	60	21	13	90	5	22	620	10	7	387	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	0.98		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1825	1825	1825	1836	1836	1836	1792	1792	1792	1808	1808	1808
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	97	326	101	72	222	11	0	2593	40	67	2399	76
Arriving On Green	0.15	0.15	0.15	0.15	0.15	0.15	0.00	0.74	0.74	0.74	0.74	0.74
Sat Flow, veh/h	419.6	1873.4	676.3	200.1	1279.1	73.3	0.0	3519.5	54.1	58.1	3261.4	103.2
Grp Volume(v), veh/h	69.1	0.0	64.6	146.9	0.0	0.0	0.0	376.6	374.6	251.9	0.0	232.9
Grp Sat Flow(s),veh/h/ln	1551.2	0.0	1519.8	1658.6	0.0	0.0	0.0	1791.8	1781.8	1751.3	0.0	1626.9
Q Serve(g_s), s	0.0	0.0	2.7	0.6	0.0	0.0	0.0	4.9	4.9	0.0	0.0	3.1
Cycle Q Clear(g_c), s	2.4	0.0	2.7	5.4	0.0	0.0	0.0	4.9	4.9	3.0	0.0	3.1
Proportion In Lane	0.271		0.445	0.121		0.044	0.000		0.030	0.033		0.063
Lane Grp Cap(c), veh/h	297.1	0.0	227.6	305.6	0.0	0.0	0.0	1320.3	1312.9	1343.2	0.0	1198.8
V/C Ratio(X)	0.233	0.000	0.284	0.481	0.000	0.000	0.000	0.285	0.285	0.188	0.000	0.194
Avail Cap(c_a), veh/h	646.7	0.0	687.5	725.1	0.0	0.0	0.0	1320.3	1312.9	1343.2	0.0	1198.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	26.5	0.0	26.6	27.7	0.0	0.0	0.0	3.1	3.1	2.8	0.0	2.9
Incr Delay (d2), s/veh	0.4	0.0	0.7	1.2	0.0	0.0	0.0	0.5	0.5	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.9	0.0	27.3	28.9	0.0	0.0	0.0	3.6	3.6	2.9	0.0	2.9
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		134			147			751			485	
Approach Delay, s/veh		27.1			28.9			3.6			2.9	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2			6	
Phase Duration (G+Y+Rc), s		14.57			14.57		0.00	56.00			56.00	
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00			30.00	
Max Q Clear Time (g_c+I1), s		4.67			7.37		0.00	6.94			5.10	
Green Extension Time (p_c)		1.65			1.60		0.00	10.10			8.70	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					7.9							
HCM 2010 Level of Service					A							

**Intersection**

Intersection Delay (sec/veh): 4.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	11	403	61	53	283	1	61	5	42	1	5	6
Conflicting Peds.(#/hr)	0	0	1	1	0	0	1	0	1	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.95	0.95	0.95	0.85	0.85	0.85	0.60	0.60	0.60
Heavy Vehicles(%)	0	3	3	0	3	0	8	0	10	0	0	0
Movement Flow Rate	12	436	66	59	313	1	75	6	52	2	9	11
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	314	0	0	503	0	0	936	926	471	955	959	315
Stage 1	-	-	-	-	-	-	494	494	-	432	432	-
Stage 2	-	-	-	-	-	-	442	432	-	523	527	-
Follow-up Headway	2.2	-	-	2.2	-	-	3.572	4	3.39	3.5	4	3.3
Pot Capacity-1 Maneuver	1291	-	-	1072	-	-	239	262	577	238	249	855
Stage 1	-	-	-	-	-	-	546	550	-	675	614	-
Stage 2	-	-	-	-	-	-	650	613	-	541	532	-
Time blocked-Platoon(%)	20	-	-	0	-	-	20	20	0	20	20	20
Mov Capacity-1 Maneuver	1290	-	-	1071	-	-	215	241	576	199	229	855
Mov Capacity-2 Maneuver	-	-	-	-	-	-	215	241	-	199	229	-
Stage 1	-	-	-	-	-	-	538	542	-	666	573	-
Stage 2	-	-	-	-	-	-	589	572	-	480	525	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.2	1.3	28.1	15.8
HCM LOS	A	A	D	C

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	286							354
HCM Control Delay (s)	28.1	7.817	0	-	8.556	0	-	15.8
HCM Lane VC Ratio	0.466	0.009	-	-	0.055	-	-	0.059
HCM Lane LOS	D	A	A	-	A	A	-	C
HCM 95th Percentile Queue (veh)	2.337	0.028	-	-	0.173	-	-	0.188

**Intersection**

Intersection Delay (sec/veh): 35.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	241	98	165	348	95	201
Conflicting Peds.(#/hr)	0	2	4	0	2	4
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.74	0.74	0.93	0.93	0.53	0.53
Heavy Vehicles(%)	6	3	0	2	6	8
Movement Flow Rate	342	139	186	393	188	398
Number of Lanes	1	0	0	1	1	1













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	485	0	1181	420
Stage 1	-	-	-	-	416	-
Stage 2	-	-	-	-	765	-
Follow-up Headway	-	-	2.2	-	3.554	3.372
Pot Capacity-1 Maneuver	-	-	1088	-	# 179	621
Stage 1	-	-	-	-	657	-
Stage 2	-	-	-	-	441	-
Time blocked-Platoon(%)	-	-	0	-	26	0
Mov Capacity-1 Maneuver	-	-	1084	-	# 139	617
Mov Capacity-2 Maneuver	-	-	-	-	# 139	-
Stage 1	-	-	-	-	655	-
Stage 2	-	-	-	-	344	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	2.9	97.3
HCM LOS	A	A	F

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	139	617				
HCM Control Delay (s)	259.3	20.8	-	-	9.009	-
HCM Lane VC Ratio	1.354	0.645	-	-	0.172	-
HCM Lane LOS	F	C	-	-	A	-
HCM 95th Percentile Queue (veh)	12.022	4.665	-	-	0.619	-

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forrest Avenue

AM No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	14	363	88	11	280	24	62	55	7	14	54	18
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	0.99		1.00	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1773	1773	1773	1844	1844	1844	1865	1865	1865	1798	1798	1798
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	81	430	97	83	535	43	358	291	31	160	547	157
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	50.6	1274.5	303.2	64.1	1493.4	133.2	550.6	464.6	59.2	246.6	873.8	301.9
Grp Volume(v), veh/h	597.3	0.0	0.0	406.9	0.0	0.0	166.5	0.0	0.0	110.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1666.8	0.0	0.0	1829.4	0.0	0.0	1098.2	0.0	0.0	1499.6	0.0	0.0
Q Serve(g_s), s	6.9	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	7.3	0.0	0.0	2.7	0.0	0.0	1.6	0.0	0.0
Proportion In Lane	0.030		0.182	0.035		0.073	0.501		0.054	0.164		0.201
Lane Grp Cap(c), veh/h	607.6	0.0	0.0	659.9	0.0	0.0	679.2	0.0	0.0	863.7	0.0	0.0
V/C Ratio(X)	0.983	0.000	0.000	0.617	0.000	0.000	0.245	0.000	0.000	0.128	0.000	0.000
Avail Cap(c_a), veh/h	607.6	0.0	0.0	659.9	0.0	0.0	679.2	0.0	0.0	863.7	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.4	0.0	0.0	7.4	0.0	0.0	6.3	0.0	0.0	6.2	0.0	0.0
Incr Delay (d2), s/veh	32.6	0.0	0.0	4.3	0.0	0.0	0.9	0.0	0.0	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	50.0	0.0	0.0	11.7	0.0	0.0	7.2	0.0	0.0	6.5	0.0	0.0
Lane Group LOS	D			B			A			A		
Approach Volume, veh/h		597			407			166			110	
Approach Delay, s/veh		50.0			11.7			7.2			6.5	
Approach LOS		D			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			9.28			4.74			3.63	
Green Extension Time (p_c)		0.00			3.56			1.61			1.64	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				28.5								
HCM 2010 Level of Service				C								

**Intersection**

Intersection Delay (sec/veh): 55.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	128	0	101	1	1	1	128	487	0	10	197	63
Conflicting Peds.(#/hr)	14	0	11	3	0	6	11	0	0	6	0	14
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.92	0.92	0.92	0.90	0.90	0.90	0.86	0.86	0.86
Heavy Vehicles(%)	7	0	5	0	0	0	0	2	0	5	14	3
Movement Flow Rate	162	0	128	1	1	1	149	568	0	12	241	77
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Minor 2			Minor 1			Major 1			Major 2		
Conflicting Flow Rate - All	1191	1190	305	1254	1228	588	332	0	0	574	0	0
Stage 1	318	318	-	872	872	-	-	-	-	-	-	-
Stage 2	873	872	-	382	356	-	-	-	-	-	-	-
Follow-up Headway	3.563	4	3.345	3.5	4	3.3	2.2	-	-	2.245	-	-
Pot Capacity-1 Maneuver	# 160	189	728	150	180	513	1239	-	-	984	-	-
Stage 1	683	658	-	348	371	-	-	-	-	-	-	-
Stage 2	338	371	-	645	633	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	# 132	151	713	104	144	505	1228	-	-	973	-	-
Mov Capacity-2 Maneuver	# 132	151	-	104	144	-	-	-	-	-	-	-
Stage 1	556	641	-	285	304	-	-	-	-	-	-	-
Stage 2	273	304	-	517	616	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	253.2	27.7	1.7	0.3
HCM LOS	F	D	A	A

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				206	162			
HCM Control Delay (s)	8.337	0	-	253.2	27.7	8.747	0	-
HCM Lane VC Ratio	0.122	-	-	1.406	0.021	0.013	-	-
HCM Lane LOS	A	A	-	F	D	A	A	-
HCM 95th Percentile Queue (veh)	0.414	-	-	16.893	0.065	0.038	-	-



Intersection

Intersection Delay (sec/veh): 4.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	0	253	267	230	161	0
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade (%)		0%	0%		0%	
Peak Hour Factor	0.86	0.86	0.93	0.93	0.82	0.82
Heavy Vehicles(%)	0	6	4	4	2	0
Movement Flow Rate	0	309	301	260	206	0
Number of Lanes	0	1	1	0	1	0













Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	-	0	0	0	740	-
Stage 1	-	-	-	-	431	-
Stage 2	-	-	-	-	309	-
Follow-up Headway	0	-	-	-	3.518	0
Pot Capacity-1 Maneuver	0	-	-	-	394	0
Stage 1	0	-	-	-	686	0
Stage 2	0	-	-	-	745	0
Time blocked-Platoon(%)	0	-	-	-	18	0
Mov Capacity-1 Maneuver	-	-	-	-	394	-
Mov Capacity-2 Maneuver	-	-	-	-	394	-
Stage 1	-	-	-	-	686	-
Stage 2	-	-	-	-	745	-

Approach	EB	WB	SB
HCM Control Delay (s)	0	0	23.7
HCM LOS	A	A	C

Lane	EBT	WBT	WBR	SBLn1
Capacity (vph)				394
HCM Control Delay (s)	-	-	-	23.7
HCM Lane VC Ratio	-	-	-	0.523
HCM Lane LOS	-	-	-	C
HCM 95th Percentile Queue (veh)	-	-	-	2.928











HCM 2010 Signalized Intersection Summary  
 3: Belmont Street & West Street

AM No-Build  
 12/9/2014

												
Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↑	↗		↔			↕	↗
Volume (vph)	1	188	63	0	142	140	106	532	2	51	342	1
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	1.00		0.98	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1872	1872	1872	0	1827	1827	1793	1793	1793	1797	1797	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	83	422	134	0	572	483	165	707	3	165	711	703
Arriving On Green	0.31	0.31	0.31	0.00	0.31	0.31	0.44	0.44	0.44	0.44	0.44	0.00
Sat Flow, veh/h	7.1	1347.1	428.7		1826.9	1544.0	0.0	2424.1	5.8	0.0	1635.1	1615.0
Grp Volume(v), veh/h	339.5	0.0	0.0		191.2	179.5	126.5	0.0	637.0	81.1	544.1	0.0
Grp Sat Flow(s),veh/h/ln	1779.0	0.0	0.0		1826.9	1544.0	0.0	0.0	1630.2	0.0	1635.1	1615.0
Q Serve(g_s), s	0.0	0.0	0.0		3.5	3.9	0.0	0.0	15.8	0.0	10.5	0.0
Cycle Q Clear(g_c), s	7.1	0.0	0.0		3.5	3.9	19.0	0.0	15.8	19.0	10.5	0.0
Proportion In Lane	0.004		0.241			1.000	1.000		0.004	1.000		1.000
Lane Grp Cap(c), veh/h	639.7	0.0	0.0		572.0	483.4	164.9	0.0	709.2	164.9	0.0	702.6
V/C Ratio(X)	0.531	0.000	0.000		0.334	0.371	0.767	0.000	0.898	0.492	0.000	0.000
Avail Cap(c_a), veh/h	1200.1	0.0	0.0		1150.4	972.2	164.9	0.0	709.2	164.9	0.0	702.6
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000		1.000	1.000	1.000	0.000	1.000	1.000	1.000	0.000
Uniform Delay (d), s/veh	12.7	0.0	0.0		11.5	11.7	21.8	0.0	11.4	21.8	0.0	0.0
Incr Delay (d2), s/veh	0.7	0.0	0.0		0.3	0.5	28.3	0.0	16.5	10.1	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	13.4	0.0	0.0		11.8	12.1	50.2	0.0	27.9	32.0	0.0	0.0
Lane Group LOS	B				B	B	D		C	C		
Approach Volume, veh/h		340			371			764			625	
Approach Delay, s/veh		13.4			12.0			31.6			4.1	
Approach LOS		B			B			C			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		19.17			19.17			24.50			24.50	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		27.50			27.50			19.00			19.00	
Max Q Clear Time (g_c+I1), s		9.06			5.95			21.00			21.00	
Green Extension Time (p_c)		3.76			3.94			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					17.0							
HCM 2010 Level of Service					B							

Lanes, Volumes, Timings  
10: Belmont Street & Torrey Street

AM No-Build  
12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	217	0	0	574	367	271
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Fr <sub>t</sub>						0.850
Fl <sub>t</sub> Protected	0.950					
Satd. Flow (prot)	1687	0	0	1792	1792	1553
Fl <sub>t</sub> Permitted	0.950					
Satd. Flow (perm)	1687	0	0	1792	1792	1553
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)						
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Peak Hour Factor	0.83	0.92	0.92	0.93	0.75	0.75
Growth Factor	105%	105%	105%	105%	105%	105%
Heavy Vehicles (%)	7%	2%	2%	6%	6%	4%
Adj. Flow (vph)	275	0	0	648	514	379
Shared Lane Traffic (%)						
Lane Group Flow (vph)	275	0	0	648	514	379
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov
Protected Phases	4			2	2	4

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

AM No-Build  
 12/9/2014



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			Max	Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effect Green (s)	13.9			41.0	41.0	63.0
Actuated g/C Ratio	0.22			0.65	0.65	1.00
v/c Ratio	0.74			0.56	0.44	0.24
Control Delay	35.8			8.7	7.2	0.4
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	35.8			8.7	7.2	0.4
LOS	D			A	A	A
Approach Delay	35.8			8.7	4.3	
Approach LOS	D			A	A	

Intersection Summary













Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 63  
 Natural Cycle: 50  
 Control Type: Semi Act-Uncoord  
 Maximum v/c Ratio: 0.74  
 Intersection Signal Delay: 10.7  
 Intersection Capacity Utilization 51.0%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 10: Belmont Street & Torrey Street















HCM 2010 Signalized Intersection Summary  
5: Belmont Street & Shaws Plaza/West Street

AM No-Build  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	14	10	6	169	14	1	15	649	174	1	396	11
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	1.00		0.98	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1838	1838	1838	1856	1856	1856	1727	1789	1789	1807	1807	1807
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	121	33	14	0	118	8	18	2173	555	64	2372	63
Arriving On Green	0.07	0.07	0.07	0.00	0.07	0.07	0.01	0.79	0.79	0.71	0.71	0.71
Sat Flow, veh/h	514.6	336.5	210.1	0.0	1715.6	116.7	1645.0	2749.3	701.9	8.4	3467.4	88.2
Grp Volume(v), veh/h	45.9	0.0	0.0	0.0	0.0	16.7	17.1	481.9	447.9	261.2	0.0	236.3
Grp Sat Flow(s),veh/h/ln	1092.3	0.0	0.0	0.0	0.0	1832.3	1645.0	1788.9	1662.4	1804.5	0.0	1628.7
Q Serve(g_s), s	1.6	0.0	0.0	0.0	0.0	0.5	0.6	4.4	4.4	0.0	0.0	2.8
Cycle Q Clear(g_c), s	2.1	0.0	0.0	0.0	0.0	0.5	0.6	4.4	4.4	2.8	0.0	2.8
Proportion In Lane	0.471		0.192	0.000		0.064	1.000		0.422	0.005		0.054
Lane Grp Cap(c), veh/h	168.4	0.0	0.0	0.0	0.0	126.3	17.8	1414.1	1314.1	1343.7	0.0	1155.4
V/C Ratio(X)	0.273	0.000	0.000	0.000	0.000	0.132	0.961	0.341	0.341	0.194	0.000	0.204
Avail Cap(c_a), veh/h	394.8	0.0	0.0	0.0	0.0	869.1	289.0	1414.1	1314.1	1343.7	0.0	1155.4
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	25.1	0.0	0.0	0.0	0.0	24.9	28.1	1.7	1.7	2.8	0.0	2.8
Incr Delay (d2), s/veh	0.9	0.0	0.0	0.0	0.0	0.5	88.8	0.7	0.7	0.3	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	25.9	0.0	0.0	0.0	0.0	25.4	117.0	2.4	2.4	3.1	0.0	3.2
Lane Group LOS	C					C	F	A	A	A		A
Approach Volume, veh/h		46			17			947			498	
Approach Delay, s/veh		25.9			25.4			4.5			3.2	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4		3	8		5	2			6	
Phase Duration (G+Y+Rc), s		7.92		0.00	7.92		4.62	49.00			44.38	
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		17.00		6.00	27.00		10.00	45.00			31.00	
Max Q Clear Time (g_c+I1), s		4.14		0.00	2.49		2.59	6.40			4.81	
Green Extension Time (p_c)		0.18		0.00	0.28		0.01	12.35			10.80	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				4.9								
HCM 2010 Level of Service				A								






















HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forrest Avenue

AM No-Build  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	36	301	13	34	262	23	34	147	69	26	81	22
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.97	1.00		0.96	0.97		0.99	1.00		0.95
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	109	760	30	105	726	57	102	387	156	134	384	89
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	168.6	1311.8	58.0	172.9	1214.5	111.4	217.8	873.8	421.0	298.8	839.1	240.8
Grp Volume(v), veh/h	524.1	0.0	0.0	412.1	0.0	0.0	284.7	0.0	0.0	154.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1636.0	0.0	0.0	1616.7	0.0	0.0	1580.7	0.0	0.0	1470.6	0.0	0.0
Q Serve(g_s), s	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	13.7	0.0	0.0	9.8	0.0	0.0	8.4	0.0	0.0	4.2	0.0	0.0
Proportion In Lane	0.103		0.035	0.107		0.069	0.138		0.266	0.203		0.164
Lane Grp Cap(c), veh/h	898.1	0.0	0.0	888.4	0.0	0.0	645.6	0.0	0.0	608.1	0.0	0.0
V/C Ratio(X)	0.584	0.000	0.000	0.464	0.000	0.000	0.441	0.000	0.000	0.254	0.000	0.000
Avail Cap(c_a), veh/h	898.1	0.0	0.0	888.4	0.0	0.0	645.6	0.0	0.0	608.1	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	11.5	0.0	0.0	10.6	0.0	0.0	16.5	0.0	0.0	15.1	0.0	0.0
Incr Delay (d2), s/veh	2.8	0.0	0.0	1.7	0.0	0.0	2.2	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	14.3	0.0	0.0	12.4	0.0	0.0	18.7	0.0	0.0	16.1	0.0	0.0
Lane Group LOS	B			B			B			B		
Approach Volume, veh/h		524			412			285			154	
Approach Delay, s/veh		14.3			12.4			18.7			16.1	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00				30.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		36.00			36.00			26.00				26.00
Max Q Clear Time (g_c+I1), s		15.66			11.85			10.41				6.15
Green Extension Time (p_c)		6.60			7.05			2.47				2.71
<b>Intersection Summary</b>												
HCM 2010 Control Delay				14.8								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

AM No-Build  
 12/9/2014

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	17	10	19	99	20	105	14	631	209	117	475	18
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.83		0.96	0.96		0.92	1.00		0.97	1.00		0.93
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1727	1784	1784	1863	1727	1727	1900	1827	1827	1743	1796	1796
Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Capacity, veh/h	142	82	148	337	53	265	24	1200	377	176	1878	68
Arriving On Green	0.01	0.15	0.15	0.09	0.23	0.23	0.01	0.45	0.45	0.11	0.55	0.55
Sat Flow, veh/h	1645.0	553.5	1001.6	1774.0	233.8	1168.9	1809.5	2644.1	830.7	1660.1	3436.2	123.8
Grp Volume(v), veh/h	21.8	0.0	36.0	199.9	0.0	242.3	20.4	634.6	575.9	142.8	302.8	298.1
Grp Sat Flow(s),veh/h/ln	1645.0	0.0	1555.0	1774.0	0.0	1402.6	1809.5	1826.9	1648.0	1660.1	1796.2	1763.9
Q Serve(g_s), s	0.0	0.0	1.6	7.0	0.0	12.7	0.9	22.9	23.1	6.6	7.2	7.3
Cycle Q Clear(g_c), s	0.0	0.0	1.6	7.0	0.0	12.7	0.9	22.9	23.1	6.6	7.2	7.3
Proportion In Lane	1.000		0.644	1.000		0.833	1.000		0.504	1.000		0.070
Lane Grp Cap(c), veh/h	142.5	0.0	229.8	337.2	0.0	318.6	23.9	829.0	747.9	176.0	981.8	964.2
V/C Ratio(X)	0.153	0.000	0.157	0.593	0.000	0.761	0.854	0.766	0.770	0.811	0.308	0.309
Avail Cap(c_a), veh/h	210.3	0.0	395.4	337.2	0.0	410.1	92.0	829.0	747.9	253.2	981.8	964.2
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	36.4	0.0	29.2	28.8	0.0	28.4	38.7	18.0	18.0	34.4	9.7	9.7
Incr Delay (d2), s/veh	0.5	0.0	0.3	2.8	0.0	6.1	52.8	6.7	7.5	12.2	0.8	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	36.9	0.0	29.6	31.5	0.0	34.5	91.5	24.6	25.5	46.6	10.5	10.6
Lane Group LOS	D		C	C		C	F	C	C	D	B	B
Approach Volume, veh/h		58			442			1231			744	
Approach Delay, s/veh		32.3			33.2			26.2			17.5	
Approach LOS		C			C			C			B	
<b>Timer</b>												
Assigned Phase	7	4		3	8		5	2		1	6	
Phase Duration (G+Y+Rc), s	4.76	15.62		11.00	21.87		5.04	39.70		12.34	47.00	
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00	
Max Green Setting (Gmax), s	4.00	20.00		7.00	23.00		4.00	35.00		12.00	43.00	
Max Q Clear Time (g_c+I1), s	2.00	3.59		9.00	14.70		2.89	25.08		8.62	9.25	
Green Extension Time (p_c)	0.00	1.63		0.00	1.10		0.00	7.35		0.11	16.85	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			25.0									
HCM 2010 Level of Service			C									

**Intersection**

Intersection Delay (sec/veh): 5.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Volume (vph)	4	406	4	179	156	290	11	14	256	0	0	0
Conflicting Peds.(#/hr)	0	0	2	5	0	0	10	0	7	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	Free	Free	Free	Free	Free	Free	Free	Free	Free
Storage Length	0		0	0		180	0		180	180		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	5	463	5	204	178	331	13	16	292	0	0	0
Number of Lanes	0	1	0	0	1	1	0	1	1	0	0	0

Major/Minor	Major 1			Major 2			Minor 1		
Conflicting Flow Rate - All	509	0	0	478	0	0	1238	1403	481
Stage 1	-	-	-	-	-	-	486	486	-
Stage 2	-	-	-	-	-	-	752	917	-
Follow-up Headway	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Capacity-1 Maneuver	1056	-	-	1084	-	-	152	140	585
Stage 1	-	-	-	-	-	-	563	551	-
Stage 2	-	-	-	-	-	-	402	351	-
Time blocked-Platoon(%)	0	-	-	0	-	-	0	0	0
Mov Capacity-1 Maneuver	1054	-	-	1079	-	-	118	100	578
Mov Capacity-2 Maneuver	-	-	-	-	-	-	118	100	-
Stage 1	-	-	-	-	-	-	555	543	-
Stage 2	-	-	-	-	-	-	290	253	-

Approach	EB	WB	NE
HCM Control Delay (s)	0.1	2.6	20.3
HCM LOS	A	A	C

Lane	NELn1	NELn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (vph)	107	578						
HCM Control Delay (s)	50.5	17.4	8.43	0	-	9.114	-	-
HCM Lane VC Ratio	0.267	0.505	0.004	-	-	0.189	-	-
HCM Lane LOS	F	C	A	A	-	A	-	-
HCM 95th Percentile Queue (veh)	0.991	2.841	0.013	-	-	0.696	-	-



HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

School Peak One Way NB Alternative 1

12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔		↔	↔	
Volume (vph)	44	118	57	38	113	18	32	618	14	276	488	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		1.00	1.00		0.90	1.00		0.94	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1863	1863	1863	1772	1772	1772	1827	1798	1798
Lanes	0	2	0	0	1	0	0	2	0	1	2	0
Capacity, veh/h	168	392	171	99	232	31	0	2029	44	510	2245	188
Arriving On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.59	0.59	0.05	0.69	0.69
Sat Flow, veh/h	618.7	1505.0	793.5	321.8	882.7	145.2	0.0	3450.3	74.4	1739.9	3273.0	274.1
Grp Volume(v), veh/h	122.6	0.0	119.0	218.0	0.0	0.0	0.0	358.2	354.6	318.5	308.8	301.5
Grp Sat Flow(s),veh/h/ln	1543.1	0.0	1557.4	1423.9	0.0	0.0	0.0	1771.7	1753.0	1739.9	1798.0	1749.1
Q Serve(g_s), s	0.0	0.0	5.3	5.6	0.0	0.0	0.0	8.5	8.5	4.0	5.3	5.3
Cycle Q Clear(g_c), s	4.5	0.0	5.3	10.9	0.0	0.0	0.0	8.5	8.5	4.0	5.3	5.3
Proportion In Lane	0.401		0.510	0.226		0.102	0.000		0.042	1.000		0.157
Lane Grp Cap(c), veh/h	395.2	0.0	336.5	361.8	0.0	0.0	0.0	1041.6	1030.6	509.7	1233.3	1199.8
V/C Ratio(X)	0.310	0.000	0.354	0.603	0.000	0.000	0.000	0.344	0.344	0.625	0.250	0.251
Avail Cap(c_a), veh/h	426.0	0.0	386.0	399.3	0.0	0.0	0.0	1041.6	1030.6	509.7	1233.3	1199.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	26.9	0.0	27.2	28.5	0.0	0.0	0.0	8.7	8.7	7.5	4.9	4.9
Incr Delay (d2), s/veh	0.4	0.0	0.6	2.1	0.0	0.0	0.0	0.9	0.9	2.4	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	27.3	0.0	27.8	30.7	0.0	0.0	0.0	9.6	9.6	9.9	5.0	5.0
Lane Group LOS	C		C	C				A	A	A	A	A
Approach Volume, veh/h		242			218			713			929	
Approach Delay, s/veh		27.5			30.7			9.6			6.7	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2		1		6
Phase Duration (G+Y+Rc), s		21.64			21.64		0.00	52.00		8.00		60.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00		4.00		4.00
Max Green Setting (Gmax), s		20.00			20.00		20.00	48.00		4.00		24.00
Max Q Clear Time (g_c+I1), s		7.30			12.87		0.00	10.53		6.00		7.34
Green Extension Time (p_c)		2.34			1.64		0.00	10.67		0.00		7.75
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.6								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 1: West Street & Forest Avenue

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↗		↕	↗			
Volume (vph)	4	406	4	179	156	290	11	14	256	0	0	0
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	0	0	0
Lanes	0	1	0	0	1	1	0	1	1	0	0	0
Capacity, veh/h	100	645	6	393	279	559	140	127	683	0	0	0
Arriving On Green	0.35	0.35	0.35	0.35	0.35	0.00	0.43	0.43	0.00	0.00	0.00	0.00
Sat Flow, veh/h	17.9	1789.3	17.0	791.3	689.6	1583.3	129.1	164.3	1583.3			0
Grp Volume(v), veh/h	472.3	0.0	0.0	382.3	0.0	0.0	28.5	0.0	0.0			0.0
Grp Sat Flow(s),veh/h/ln	1849.9	0.0	0.0	1480.9	0.0	1583.3	293.5	0.0	1583.3			
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Cycle Q Clear(g_c), s	8.2	0.0	0.0	6.2	0.0	0.0	16.0	0.0	0.0			
Proportion In Lane	0.010		0.009	0.534		1.000	0.440		1.000			
Lane Grp Cap(c), veh/h	750.8	0.0	0.0	671.5	0.0	558.7	266.4	0.0	683.1			
V/C Ratio(X)	0.629	0.000	0.000	0.569	0.000	0.000	0.107	0.000	0.000			
Avail Cap(c_a), veh/h	894.1	0.0	0.0	738.1	0.0	683.1	266.4	0.0	683.1			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000			
Uniform Delay (d), s/veh	10.4	0.0	0.0	9.8	0.0	0.0	8.5	0.0	0.0			
Incr Delay (d2), s/veh	1.1	0.0	0.0	0.9	0.0	0.0	0.2	0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Lane Group Delay (d), s/veh	11.5	0.0	0.0	10.6	0.0	0.0	8.7	0.0	0.0			
Lane Group LOS	B			B			A					
Approach Volume, veh/h		472			382			29				
Approach Delay, s/veh		11.5			10.6			8.7				
Approach LOS		B			B			A				
<b>Timer</b>												
Assigned Phase		4			8			2				
Phase Duration (G+Y+Rc), s		17.09			17.09			20.00				
Change Period (Y+Rc), s		4.00			4.00			4.00				
Max Green Setting (Gmax), s		16.00			16.00			16.00				
Max Q Clear Time (g_c+I1), s		10.17			8.20			18.00				
Green Extension Time (p_c)		2.89			3.60			0.00				
<b>Intersection Summary</b>												
HCM 2010 Control Delay				11.0								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

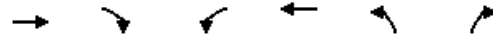
School Peak Alternative 2  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	44	118	57	38	113	18	32	618	14	276	488	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		1.00	1.00		0.90	1.00		0.94	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1863	1863	1863	1772	1772	1772	1827	1798	1798
Lanes	0	2	0	0	1	0	0	2	0	1	2	0
Capacity, veh/h	168	392	171	99	232	31	0	2029	44	510	2245	188
Arriving On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.59	0.59	0.05	0.69	0.69
Sat Flow, veh/h	618.7	1505.0	793.5	321.8	882.7	145.2	0.0	3450.3	74.4	1739.9	3273.0	274.1
Grp Volume(v), veh/h	122.6	0.0	119.0	218.0	0.0	0.0	0.0	358.2	354.6	318.5	308.8	301.5
Grp Sat Flow(s),veh/h/ln	1543.1	0.0	1557.4	1423.9	0.0	0.0	0.0	1771.7	1753.0	1739.9	1798.0	1749.1
Q Serve(g_s), s	0.0	0.0	5.3	5.6	0.0	0.0	0.0	8.5	8.5	4.0	5.3	5.3
Cycle Q Clear(g_c), s	4.5	0.0	5.3	10.9	0.0	0.0	0.0	8.5	8.5	4.0	5.3	5.3
Proportion In Lane	0.401		0.510	0.226		0.102	0.000		0.042	1.000		0.157
Lane Grp Cap(c), veh/h	395.2	0.0	336.5	361.8	0.0	0.0	0.0	1041.6	1030.6	509.7	1233.3	1199.8
V/C Ratio(X)	0.310	0.000	0.354	0.603	0.000	0.000	0.000	0.344	0.344	0.625	0.250	0.251
Avail Cap(c_a), veh/h	426.0	0.0	386.0	399.3	0.0	0.0	0.0	1041.6	1030.6	509.7	1233.3	1199.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	26.9	0.0	27.2	28.5	0.0	0.0	0.0	8.7	8.7	7.5	4.9	4.9
Incr Delay (d2), s/veh	0.4	0.0	0.6	2.1	0.0	0.0	0.0	0.9	0.9	2.4	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	27.3	0.0	27.8	30.7	0.0	0.0	0.0	9.6	9.6	9.9	5.0	5.0
Lane Group LOS	C		C	C				A	A	A	A	A
Approach Volume, veh/h		242			218			713			929	
Approach Delay, s/veh		27.5			30.7			9.6			6.7	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2		1		6
Phase Duration (G+Y+Rc), s		21.64			21.64		0.00	52.00		8.00		60.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00		4.00		4.00
Max Green Setting (Gmax), s		20.00			20.00		20.00	48.00		4.00		24.00
Max Q Clear Time (g_c+I1), s		7.30			12.87		0.00	10.53		6.00		7.34
Green Extension Time (p_c)		2.34			1.64		0.00	10.67		0.00		7.75
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.6								
HCM 2010 Level of Service				B								

Lanes, Volumes, Timings  
7: Memorial Drive & Forest Avenue

	→	↘	↙	←	↖	↗
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↶			↷	↶	↷
Volume (vph)	484	56	118	441	140	198
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99				0.96	0.90
Frt	0.986					0.850
Flt Protected				0.990	0.950	
Satd. Flow (prot)	1825	0	0	1844	1770	1583
Flt Permitted				0.756	0.950	
Satd. Flow (perm)	1825	0	0	1408	1693	1429
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	12					300
Link Speed (mph)	30			30	30	
Link Distance (ft)	551			1469	462	
Travel Time (s)	12.5			33.4	10.5	
Confl. Peds. (#/hr)		23	42		23	42
Peak Hour Factor	0.92	0.92	0.95	0.95	0.62	0.62
Growth Factor	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	552	64	130	487	237	335
Shared Lane Traffic (%)						
Lane Group Flow (vph)	616	0	0	617	237	335
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2		1	2	1	1
Detector Template	Thru		Left	Thru	Left	Right
Leading Detector (ft)	100		20	100	20	20
Trailing Detector (ft)	0		0	0	0	0
Detector 1 Position(ft)	0		0	0	0	0
Detector 1 Size(ft)	6		20	6	20	20
Detector 1 Type	CI+Ex		CI+Ex	CI+Ex	CI+Ex	CI+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0		0.0	0.0	0.0	0.0
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	CI+Ex			CI+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA		pm+pt	NA	NA	Perm
Protected Phases	4		3	8	2	
Permitted Phases			8			2
Detector Phase	4		3	8	2	2

Lanes, Volumes, Timings  
7: Memorial Drive & Forest Avenue

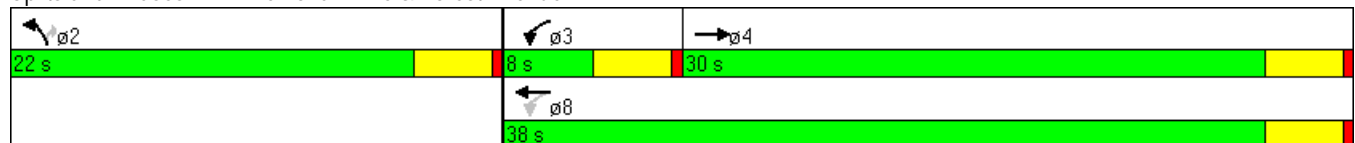


Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Switch Phase						
Minimum Initial (s)	4.0		4.0	4.0	4.0	4.0
Minimum Split (s)	20.0		8.0	20.0	20.0	20.0
Total Split (s)	30.0		8.0	38.0	22.0	22.0
Total Split (%)	50.0%		13.3%	63.3%	36.7%	36.7%
Maximum Green (s)	26.0		4.0	34.0	18.0	18.0
Yellow Time (s)	3.5		3.5	3.5	3.5	3.5
All-Red Time (s)	0.5		0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Recall Mode	None		None	None	Min	Min
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effect Green (s)	34.2			34.2	12.4	12.4
Actuated g/C Ratio	0.63			0.63	0.23	0.23
v/c Ratio	0.54			0.70	0.59	0.60
Control Delay	8.6			14.1	25.0	8.7
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	8.6			14.1	25.0	8.7
LOS	A			B	C	A
Approach Delay	8.6			14.1	15.5	
Approach LOS	A			B	B	

Intersection Summary













Area Type: Other  
 Cycle Length: 60  
 Actuated Cycle Length: 54.6  
 Natural Cycle: 65  
 Control Type: Actuated-Uncoordinated  
 Maximum v/c Ratio: 0.70  
 Intersection Signal Delay: 12.6  
 Intersection Capacity Utilization 83.8%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service E

Splits and Phases: 7: Memorial Drive & Forest Avenue





















HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forest Avenue

School Peak Build signalize  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	513	117	5	412	31	77	54	3	21	71	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.74	0.91		0.97	0.97		0.56	0.80		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	83	700	149	75	882	63	294	179	8	123	330	130
Arriving On Green	1.00	1.00	1.00	1.00	1.00	1.00	0.32	0.32	0.32	0.32	0.32	0.32
Sat Flow, veh/h	43.7	1362.3	286.8	20.4	1643.3	120.4	660.3	382.0	24.5	263.1	782.2	405.6
Grp Volume(v), veh/h	792.4	0.0	0.0	532.8	0.0	0.0	286.8	0.0	0.0	186.6	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1650.7	0.0	0.0	1820.7	0.0	0.0	1147.9	0.0	0.0	1558.2	0.0	0.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	4.0	0.0	0.0
Proportion In Lane	0.027		0.174	0.011		0.066	0.575		0.021	0.169		0.260
Lane Grp Cap(c), veh/h	932.3	0.0	0.0	1019.6	0.0	0.0	480.8	0.0	0.0	582.8	0.0	0.0
V/C Ratio(X)	0.850	0.000	0.000	0.523	0.000	0.000	0.597	0.000	0.000	0.320	0.000	0.000
Avail Cap(c_a), veh/h	932.3	0.0	0.0	1019.6	0.0	0.0	480.8	0.0	0.0	582.8	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	12.9	0.0	0.0
Incr Delay (d2), s/veh	9.6	0.0	0.0	1.9	0.0	0.0	5.4	0.0	0.0	1.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	9.6	0.0	0.0	1.9	0.0	0.0	18.5	0.0	0.0	14.4	0.0	0.0
Lane Group LOS	A			A			B			B		
Approach Volume, veh/h		792			533			287				187
Approach Delay, s/veh		9.6			1.9			18.5				14.4
Approach LOS		A			A			B				B
<b>Timer</b>												
Assigned Phase		4			8			2				6
Phase Duration (G+Y+Rc), s		30.00			30.00			20.00				20.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		26.00			26.00			16.00				16.00
Max Q Clear Time (g_c+I1), s		2.00			2.00			11.63				6.03
Green Extension Time (p_c)		11.20			11.20			1.26				2.30
<b>Intersection Summary</b>												
HCM 2010 Control Delay				9.2								
HCM 2010 Level of Service				A								




















HCM 2010 Signalized Intersection Summary  
 27: Main Street & Forest Avenue/Martin Place

School Peak Build signalize  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	136	0	165	2	0	3	37	115	0	1	294	78
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.95	1.00		0.94	0.98		1.00	0.96		0.95
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1676	0	1676	1676	0	1676	1676	1676	0	1676	1676	1676
Lanes	1	1	0	0	1	0	1	1	0	0	1	0
Capacity, veh/h	144	0	0	102	0	0	329	872	0	72	516	130
Arriving On Green	0.32	0.00	0.32	0.32	0.00	0.32	0.04	0.52	0.00	0.40	0.40	0.40
Sat Flow, veh/h	1264.2	0.0	0.0	0.0	0.0	0.0	1596.6	1676.5	0.0	4.3	1283.6	321.4
Grp Volume(v), veh/h	155.2	0.0	179.3	5.5	0.0	0.0	42.2	131.3	0.0	421.5	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1264.2	0.0	0.0	0.0	0.0	0.0	1596.6	1676.5	0.0	1597.9	0.0	0.0
Q Serve(g_s), s	0.0	0.0	16.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	16.0	16.0	0.0	0.0	0.0	2.0	0.0	10.7	0.0	0.0
Proportion In Lane	1.000		1.000	0.412		0.588	1.000		0.000	0.003		0.201
Lane Grp Cap(c), veh/h	144.0	0.0	0.0	101.6	0.0	0.0	329.4	871.8	0.0	718.5	0.0	0.0
V/C Ratio(X)	1.078	0.000	0.000	0.055	0.000	0.000	0.128	0.151	0.000	0.587	0.000	0.000
Avail Cap(c_a), veh/h	144.0	0.0	0.0	101.6	0.0	0.0	400.5	871.8	0.0	718.5	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.625	0.000	0.625	1.000	0.000	0.000	1.000	1.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	25.0	0.0	0.0	18.4	0.0	0.0	17.4	6.2	0.0	12.0	0.0	0.0
Incr Delay (d2), s/veh	81.5	0.0	0.0	0.2	0.0	0.0	0.2	0.4	0.0	3.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	106.5	0.0	0.0	18.6	0.0	0.0	17.6	6.6	0.0	15.5	0.0	0.0
Lane Group LOS	F			B			B	A		B		
Approach Volume, veh/h		335			6			173			421	
Approach Delay, s/veh		49.4			18.6			9.3			15.5	
Approach LOS		D			B			A			B	
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		20.00			20.00		5.77	30.00				24.23
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		16.00			16.00		4.00	26.00				18.00
Max Q Clear Time (g_c+I1), s		18.00			18.00		2.00	4.04				12.66
Green Extension Time (p_c)		0.00			0.00		0.01	3.54				1.61
<b>Intersection Summary</b>												
HCM 2010 Control Delay				26.5								
HCM 2010 Level of Service				C								

HCM 2010 Signalized Intersection Summary  
 1: West Street & Forest Avenue

School Peak Build signalize  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	4	130	4	179	156	290	11	14	256	237	15	6
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	0.99		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	1	0	1	1	1	1	0
Capacity, veh/h	119	779	22	376	279	699	280	292	496	594	403	153
Arriving On Green	0.44	0.44	0.44	0.44	0.44	0.44	0.31	0.31	0.00	0.31	0.31	0.31
Sat Flow, veh/h	53.1	1651.1	50.5	588.1	512.6	1583.3	580.1	738.3	1583.3	1361.7	1286.3	490.0
Grp Volume(v), veh/h	157.3	0.0	0.0	382.3	0.0	315.2	28.5	0.0	0.0	270.5	0.0	23.6
Grp Sat Flow(s),veh/h/ln	1827.9	0.0	0.0	1100.7	0.0	1583.3	1318.4	0.0	1583.3	1361.7	0.0	1776.3
Q Serve(g_s), s	0.0	0.0	0.0	7.1	0.0	4.5	0.0	0.0	0.0	5.9	0.0	0.3
Cycle Q Clear(g_c), s	1.7	0.0	0.0	8.9	0.0	4.5	0.3	0.0	0.0	7.1	0.0	0.3
Proportion In Lane	0.029		0.028	0.534		1.000	0.440		1.000	1.000		0.276
Lane Grp Cap(c), veh/h	920.2	0.0	0.0	655.3	0.0	698.5	571.9	0.0	495.6	594.1	0.0	556.0
V/C Ratio(X)	0.171	0.000	0.000	0.583	0.000	0.451	0.050	0.000	0.000	0.455	0.000	0.043
Avail Cap(c_a), veh/h	1385.0	0.0	0.0	919.8	0.0	1119.0	883.2	0.0	924.4	962.9	0.0	1037.1
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	1.000	1.000	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	5.6	0.0	0.0	7.1	0.0	6.3	7.8	0.0	0.0	10.7	0.0	7.8
Incr Delay (d2), s/veh	0.1	0.0	0.0	0.8	0.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	5.6	0.0	0.0	8.0	0.0	6.8	7.8	0.0	0.0	11.3	0.0	7.8
Lane Group LOS	A			A		A	A			B		A
Approach Volume, veh/h		157			698			29			294	
Approach Delay, s/veh		5.6			7.4			7.8			11.0	
Approach LOS		A			A			A			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		18.51			18.51			14.15			14.15	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		23.00			23.00			19.00			19.00	
Max Q Clear Time (g_c+I1), s		3.69			10.88			2.35			9.13	
Green Extension Time (p_c)		4.60			3.77			1.00			0.80	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				8.1								
HCM 2010 Level of Service				A								



HCM 2010 Signalized Intersection Summary  
 1: West Street & Forest Street

PM Peak Build Signal  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕	↕	↕	
Volume (vph)	0	212	12	223	181	219	1	12	380	302	14	3
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	0	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	1	0	1	1	1	1	0
Capacity, veh/h	0	776	42	396	267	702	126	567	501	647	476	97
Arriving On Green	0.00	0.44	0.44	0.44	0.44	0.00	0.32	0.32	0.00	0.32	0.32	0.32
Sat Flow, veh/h	0.0	1751.7	94.4	617.0	500.8	1583.3	137.3	1683.2	1583.3	1386.6	1502.1	306.6
Grp Volume(v), veh/h	0.0	0.0	249.6	451.3	0.0	0.0	14.8	0.0	0.0	344.7	0.0	19.2
Grp Sat Flow(s),veh/h/ln	0.0	0.0	1845.7	1117.9	0.0	1583.3	1820.5	0.0	1583.3	1386.6	0.0	1808.6
Q Serve(g_s), s	0.0	0.0	2.9	8.8	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.2
Cycle Q Clear(g_c), s	0.0	0.0	2.9	11.7	0.0	0.0	0.2	0.0	0.0	7.8	0.0	0.2
Proportion In Lane	0.000		0.051	0.552		1.000	0.075		1.000	1.000		0.169
Lane Grp Cap(c), veh/h	0.0	0.0	818.2	663.2	0.0	701.9	692.6	0.0	501.3	647.5	0.0	572.7
V/C Ratio(X)	0.000	0.000	0.305	0.680	0.000	0.000	0.021	0.000	0.000	0.532	0.000	0.034
Avail Cap(c_a), veh/h	0.0	0.0	886.1	697.6	0.0	760.1	967.9	0.0	760.1	874.1	0.0	868.3
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.000	0.000	1.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	0.0	0.0	6.0	7.6	0.0	0.0	7.8	0.0	0.0	10.5	0.0	7.9
Incr Delay (d2), s/veh	0.0	0.0	0.2	2.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	0.0	0.0	6.2	10.2	0.0	0.0	7.9	0.0	0.0	11.2	0.0	7.9
Lane Group LOS			A	B			A			B		A
Approach Volume, veh/h		250			451			15			364	
Approach Delay, s/veh		6.2			10.2			7.9			11.0	
Approach LOS		A			B			A			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		18.77			18.77			14.55			14.55	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			16.00			16.00	
Max Q Clear Time (g_c+I1), s		4.90			13.73			2.18			9.78	
Green Extension Time (p_c)		3.63			1.05			1.06			0.70	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			9.5									
HCM 2010 Level of Service			A									

Lanes, Volumes, Timings  
7: Memorial Drive & Forest Street/Forrest Street

PM Peak Build Signal  
12/9/2014

	→	↘	↙	←	↖	↗
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↕			↕	↕	↕
Volume (vph)	675	35	81	536	23	49
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.993					0.850
Flt Protected				0.994	0.950	
Satd. Flow (prot)	1850	0	0	1852	1770	1583
Flt Permitted				0.839	0.950	
Satd. Flow (perm)	1850	0	0	1563	1770	1583
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	6					80
Link Speed (mph)	30			30	30	
Link Distance (ft)	575			1469	462	
Travel Time (s)	13.1			33.4	10.5	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	770	40	92	612	26	56
Shared Lane Traffic (%)						
Lane Group Flow (vph)	810	0	0	704	26	56
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	0			0	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2		1	2	1	1
Detector Template	Thru		Left	Thru	Left	Right
Leading Detector (ft)	100		20	100	20	20
Trailing Detector (ft)	0		0	0	0	0
Detector 1 Position(ft)	0		0	0	0	0
Detector 1 Size(ft)	6		20	6	20	20
Detector 1 Type	CI+Ex		CI+Ex	CI+Ex	CI+Ex	CI+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0		0.0	0.0	0.0	0.0
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	CI+Ex			CI+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		
Turn Type	NA		pm+pt	NA	NA	Perm
Protected Phases	4		3	8	2	
Permitted Phases			8			2
Detector Phase	4		3	8	2	2
Switch Phase						
Minimum Initial (s)	4.0		4.0	4.0	4.0	4.0

Lanes, Volumes, Timings  
 7: Memorial Drive & Forest Street/Forrest Street

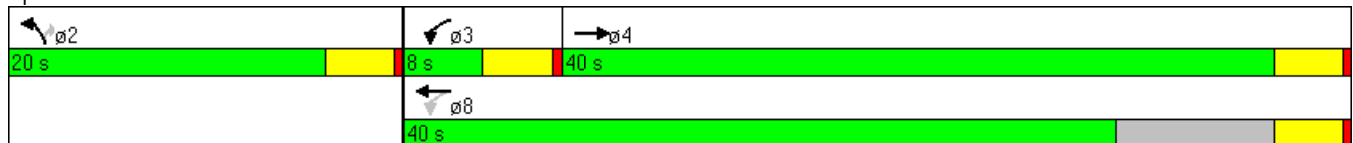


Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Minimum Split (s)	20.0		8.0	20.0	20.0	20.0
Total Split (s)	40.0		8.0	40.0	20.0	20.0
Total Split (%)	58.8%		11.8%	58.8%	29.4%	29.4%
Maximum Green (s)	36.0		4.0	36.0	16.0	16.0
Yellow Time (s)	3.5		3.5	3.5	3.5	3.5
All-Red Time (s)	0.5		0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Recall Mode	None		None	None	Min	Min
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effect Green (s)	36.0			36.0	6.3	6.3
Actuated g/C Ratio	0.72			0.72	0.13	0.13
v/c Ratio	0.61			0.63	0.12	0.21
Control Delay	6.2			7.0	20.8	5.9
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	6.2			7.0	20.8	5.9
LOS	A			A	C	A
Approach Delay	6.2			7.0	10.6	
Approach LOS	A			A	B	

Intersection Summary













Area Type: Other  
 Cycle Length: 68  
 Actuated Cycle Length: 50.3  
 Natural Cycle: 75  
 Control Type: Actuated-Uncoordinated  
 Maximum v/c Ratio: 0.63  
 Intersection Signal Delay: 6.8  
 Intersection LOS: A  
 Intersection Capacity Utilization 87.2%  
 ICU Level of Service E  
 Analysis Period (min) 15

Splits and Phases: 7: Memorial Drive & Forest Street/Forrest Street






















HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forrest Street

PM Peak Build Signal  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	509	134	9	439	25	69	57	8	23	81	25
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	0.99		0.98	0.99		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	77	788	193	72	968	52	244	179	20	117	334	86
Arriving On Green	0.56	0.56	0.56	0.56	0.56	0.56	0.29	0.29	0.29	0.29	0.29	0.29
Sat Flow, veh/h	45.7	1324.9	343.2	34.7	1631.0	91.8	609.0	433.6	67.2	284.5	893.4	294.5
Grp Volume(v), veh/h	707.5	0.0	0.0	510.7	0.0	0.0	144.6	0.0	0.0	138.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1757.5	0.0	0.0	1818.7	0.0	0.0	1179.4	0.0	0.0	1581.0	0.0	0.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	15.6	0.0	0.0	9.2	0.0	0.0	3.4	0.0	0.0	3.2	0.0	0.0
Proportion In Lane	0.026		0.195	0.019		0.050	0.516		0.057	0.180		0.186
Lane Grp Cap(c), veh/h	1057.8	0.0	0.0	1091.8	0.0	0.0	442.4	0.0	0.0	537.2	0.0	0.0
V/C Ratio(X)	0.669	0.000	0.000	0.468	0.000	0.000	0.327	0.000	0.000	0.258	0.000	0.000
Avail Cap(c_a), veh/h	1057.8	0.0	0.0	1091.8	0.0	0.0	442.4	0.0	0.0	537.2	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	8.6	0.0	0.0	7.2	0.0	0.0	15.0	0.0	0.0	15.0	0.0	0.0
Incr Delay (d2), s/veh	3.4	0.0	0.0	1.4	0.0	0.0	2.0	0.0	0.0	1.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	12.0	0.0	0.0	8.7	0.0	0.0	17.0	0.0	0.0	16.1	0.0	0.0
Lane Group LOS	B			A			B			B		
Approach Volume, veh/h		708			511			145			138	
Approach Delay, s/veh		12.0			8.7			17.0			16.1	
Approach LOS		B			A			B			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		35.00			35.00			20.00			20.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		31.00			31.00			16.00			16.00	
Max Q Clear Time (g_c+I1), s		17.60			11.18			5.38			5.25	
Green Extension Time (p_c)		7.01			8.82			1.19			1.20	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				11.7								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 27: Main Street & Forrest Street/Martin Place

PM Peak Build Signal  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	152	2	168	3	1	0	155	470	1	0	348	93
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.97		0.92	0.95		1.00	1.00		0.98	1.00		0.95
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1660	1693	1693	1710	1710	0	1693	1693	1693	0	1667	1667
Lanes	1	1	0	0	1	0	1	1	0	0	1	0
Capacity, veh/h	342	5	382	211	53	0	347	953	2	0	531	135
Arriving On Green	0.29	0.29	0.29	0.29	0.29	0.00	0.07	0.56	0.56	0.00	0.42	0.42
Sat Flow, veh/h	1207.5	16.5	1317.2	384.1	189.7	0.0	1612.4	1689.0	3.4	0.0	1282.9	322.6
Grp Volume(v), veh/h	173.5	0.0	184.9	8.8	0.0	0.0	176.9	0.0	537.5	0.0	0.0	533.0
Grp Sat Flow(s),veh/h/ln	1207.5	0.0	1333.7	512.1	0.0	0.0	1612.4	0.0	1692.4	0.0	0.0	1590.1
Q Serve(g_s), s	7.6	0.0	6.3	0.1	0.0	0.0	3.2	0.0	11.1	0.0	0.0	16.1
Cycle Q Clear(g_c), s	14.0	0.0	6.3	6.3	0.0	0.0	3.2	0.0	11.1	0.0	0.0	16.1
Proportion In Lane	1.000		0.988	0.750		0.000	1.000		0.002	0.000		0.203
Lane Grp Cap(c), veh/h	341.9	0.0	387.0	263.2	0.0	0.0	347.4	0.0	955.0	0.0	0.0	665.8
V/C Ratio(X)	0.507	0.000	0.478	0.033	0.000	0.000	0.509	0.000	0.563	0.000	0.000	0.801
Avail Cap(c_a), veh/h	343.1	0.0	388.3	263.9	0.0	0.0	347.4	0.0	1108.6	0.0	0.0	810.1
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	1.000	0.000	1.000	0.000	0.000	1.000
Uniform Delay (d), s/veh	21.9	0.0	16.1	14.2	0.0	0.0	10.7	0.0	7.6	0.0	0.0	14.0
Incr Delay (d2), s/veh	1.2	0.0	0.9	0.1	0.0	0.0	1.2	0.0	0.5	0.0	0.0	4.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	23.1	0.0	17.0	14.3	0.0	0.0	12.0	0.0	8.2	0.0	0.0	18.7
Lane Group LOS	C		B	B			B		A			B
Approach Volume, veh/h		358			9			714			533	
Approach Delay, s/veh		19.9			14.3			9.1			18.7	
Approach LOS		B			B			A			B	
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		19.95			19.95		8.00	35.01				27.01
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		16.00			16.00		4.00	36.00				28.00
Max Q Clear Time (g_c+I1), s		15.96			8.35		5.20	13.14				18.11
Green Extension Time (p_c)		0.01			1.15		0.00	7.76				4.90
<b>Intersection Summary</b>												
HCM 2010 Control Delay				14.7								
HCM 2010 Level of Service				B								

**Intersection**

Intersection Delay (sec/veh): 12.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Volume (vph)	0	491	12	223	181	0	1	12	380	0	0	0
Conflicting Peds.(#/hr)	1	0	3	3	0	1	3	0	3	1	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	Yield	Yield	Yield	None	None	None
Storage Length	0		0	0		0	0		180	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	0	548	13	249	202	0	1	13	424	0	0	0
Number of Lanes	0	1	0	0	1	0	0	1	1	0	0	0

Major/Minor	Major 1			Major 2			Minor 1		
Conflicting Flow Rate - All	202	0	0	564	0	0	1258	1258	561
Stage 1	-	-	-	-	-	-	558	558	-
Stage 2	-	-	-	-	-	-	700	700	-
Follow-up Headway	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Capacity-1 Maneuver	1370	-	-	1008	-	-	148	171	527
Stage 1	-	-	-	-	-	-	514	512	-
Stage 2	-	-	-	-	-	-	430	441	-
Time blocked-Platoon(%)	0	-	-	0	-	-	0	0	0
Mov Capacity-1 Maneuver	1367	-	-	1005	-	-	116	123	524
Mov Capacity-2 Maneuver	-	-	-	-	-	-	116	123	-
Stage 1	-	-	-	-	-	-	513	511	-
Stage 2	-	-	-	-	-	-	309	318	-

Approach	EB	WB	NE
HCM Control Delay (s)	0	5.4	35
HCM LOS	A	A	E

Lane	NELn1	NELn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (vph)	122	524						
HCM Control Delay (s)	38.5	34.9	0	-	-	9.758	0	-
HCM Lane VC Ratio	0.119	0.81	-	-	-	0.248	-	-
HCM Lane LOS	E	D	A	-	-	A	A	-
HCM 95th Percentile Queue (veh)	0.394	7.846	0	-	-	0.978	-	-

HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Street

PM Peak Build Alternative 1

12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	40	179	63	31	138	16	25	625	22	279	600	45
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		0.99	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1871	1871	1871	1858	1858	1858	1857	1857	1857	1900	1865	1865
Lanes	0	2	0	0	1	0	0	2	0	1	2	0
Capacity, veh/h	117	433	136	73	219	22	0	2226	75	543	2460	176
Arriving On Green	0.19	0.19	0.19	0.19	0.19	0.19	0.00	0.62	0.62	0.05	0.72	0.72
Sat Flow, veh/h	472.8	1885.4	704.9	232.5	1040.9	114.3	0.0	3572.9	119.7	1809.5	3440.3	245.5
Grp Volume(v), veh/h	166.3	0.0	152.2	210.3	0.0	0.0	0.0	370.7	366.6	318.4	371.0	362.7
Grp Sat Flow(s),veh/h/ln	1722.0	0.0	1566.4	1382.0	0.0	0.0	0.0	1857.2	1835.4	1809.5	1865.3	1820.5
Q Serve(g_s), s	0.0	0.0	7.5	5.0	0.0	0.0	0.0	8.2	8.2	4.0	6.1	6.1
Cycle Q Clear(g_c), s	6.8	0.0	7.5	12.6	0.0	0.0	0.0	8.2	8.2	4.0	6.1	6.1
Proportion In Lane	0.275		0.450	0.168		0.083	0.000		0.065	1.000		0.135
Lane Grp Cap(c), veh/h	384.5	0.0	301.6	314.6	0.0	0.0	0.0	1156.9	1143.3	543.5	1334.0	1302.0
V/C Ratio(X)	0.432	0.000	0.505	0.668	0.000	0.000	0.000	0.320	0.321	0.586	0.278	0.279
Avail Cap(c_a), veh/h	432.9	0.0	367.3	367.5	0.0	0.0	0.0	1156.9	1143.3	543.5	1334.0	1302.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	31.0	0.0	31.3	32.4	0.0	0.0	0.0	7.7	7.7	5.9	4.4	4.4
Incr Delay (d2), s/veh	0.8	0.0	1.3	3.7	0.0	0.0	0.0	0.7	0.7	1.6	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	31.8	0.0	32.6	36.1	0.0	0.0	0.0	8.4	8.4	7.5	4.5	4.5
Lane Group LOS	C		C	D				A	A	A	A	A
Approach Volume, veh/h		318			210			737			1052	
Approach Delay, s/veh		32.2			36.1			8.4			5.4	
Approach LOS		C			D			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2		1		6
Phase Duration (G+Y+Rc), s		20.69			20.69		0.00	58.00		8.00		66.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00		4.00		4.00
Max Green Setting (Gmax), s		20.00			20.00		20.00	54.00		4.00		38.00
Max Q Clear Time (g_c+I1), s		9.53			14.57		0.00	10.16		5.99		8.14
Green Extension Time (p_c)		2.41			1.54		0.00	12.82		0.00		11.45
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.8								
HCM 2010 Level of Service				B								

**Intersection**

Intersection Delay (sec/veh): 4.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Volume (vph)	0	257	2	198	134	0	0	4	183	0	0	0
Conflicting Peds.(#/hr)	3	0	3	1	0	1	3	0	1	1	0	3
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	Yield	Yield	Yield	None	None	None
Storage Length	0		0	0		0	0		180	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.82	0.82	0.82	0.96	0.96	0.96	0.95	0.95	0.95	0.82	0.82	0.82
Heavy Vehicles(%)	0	0	0	4	2	0	0	0	5	0	0	0
Movement Flow Rate	0	329	3	217	147	0	0	4	202	0	0	0
Number of Lanes	0	1	0	0	1	0	0	1	1	0	0	0

Major/Minor	Major 1			Major 2			Minor 1		
Conflicting Flow Rate - All	147	0	0	333	0	0	~	913	333
Stage 1	-	-	-	-	-	-	-	332	-
Stage 2	-	-	-	-	-	-	-	581	-
Follow-up Headway	2.2	-	-	2.236	-	-	0	4	3.345
Pot Capacity-1 Maneuver	1447	-	-	1215	-	-	0	276	702
Stage 1	-	-	-	-	-	-	0	648	-
Stage 2	-	-	-	-	-	-	0	503	-
Time blocked-Platoon(%)	0	-	-	0	-	-	0	0	0
Mov Capacity-1 Maneuver	1443	-	-	1214	-	-	0	222	701
Mov Capacity-2 Maneuver	-	-	-	-	-	-	0	222	-
Stage 1	-	-	-	-	-	-	0	647	-
Stage 2	-	-	-	-	-	-	0	405	-


















Approach	EB	WB	NE
HCM Control Delay (s)	0	5.1	12.4
HCM LOS	A	A	B

Lane	NELn1	NELn2	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (vph)	222	701						
HCM Control Delay (s)	21.5	12.2	0	-	-	8.608	0	-
HCM Lane VC Ratio	0.02	0.289	-	-	-	0.178	-	-
HCM Lane LOS	C	B	A	-	-	A	A	-
HCM 95th Percentile Queue (veh)	0.061	1.194	0	-	-	0.648	-	-



HCM 2010 Signalized Intersection Summary  
4: Belmont Street & Shaws Plaza/Forest Avenue

AM Build One Way NB Alternative 1  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	13	60	21	13	90	5	22	620	10	192	387	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	0.98		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1825	1825	1825	1836	1836	1836	1792	1792	1792	1900	1807	1807
Lanes	0	2	0	0	1	0	0	2	0	1	2	0
Capacity, veh/h	97	326	101	72	222	11	0	2593	40	571	2566	82
Arriving On Green	0.15	0.15	0.15	0.15	0.15	0.15	0.00	0.74	0.74	0.74	0.74	0.74
Sat Flow, veh/h	419.6	1873.4	676.3	200.1	1279.1	73.3	0.0	3519.5	54.1	704.0	3482.2	111.2
Grp Volume(v), veh/h	69.1	0.0	64.6	146.9	0.0	0.0	0.0	376.6	374.6	229.1	239.2	237.3
Grp Sat Flow(s),veh/h/ln	1551.2	0.0	1519.8	1658.6	0.0	0.0	0.0	1791.8	1781.8	704.0	1806.6	1786.7
Q Serve(g_s), s	0.0	0.0	2.7	0.6	0.0	0.0	0.0	4.9	4.9	11.3	2.8	2.8
Cycle Q Clear(g_c), s	2.4	0.0	2.7	5.4	0.0	0.0	0.0	4.9	4.9	16.3	2.8	2.8
Proportion In Lane	0.271		0.445	0.121		0.044	0.000		0.030	1.000		0.062
Lane Grp Cap(c), veh/h	297.1	0.0	227.6	305.6	0.0	0.0	0.0	1320.3	1312.9	571.5	1331.3	1316.6
V/C Ratio(X)	0.233	0.000	0.284	0.481	0.000	0.000	0.000	0.285	0.285	0.401	0.180	0.180
Avail Cap(c_a), veh/h	646.7	0.0	687.5	725.1	0.0	0.0	0.0	1320.3	1312.9	571.5	1331.3	1316.6
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	26.5	0.0	26.6	27.7	0.0	0.0	0.0	3.1	3.1	5.8	2.8	2.8
Incr Delay (d2), s/veh	0.4	0.0	0.7	1.2	0.0	0.0	0.0	0.5	0.5	0.5	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.9	0.0	27.3	28.9	0.0	0.0	0.0	3.6	3.6	6.3	2.9	2.9
Lane Group LOS	C		C	C				A	A	A	A	A
Approach Volume, veh/h		134			147			751			706	
Approach Delay, s/veh		27.1			28.9			3.6			4.0	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		14.57			14.57		0.00	56.00				56.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00				30.00
Max Q Clear Time (g_c+I1), s		4.67			7.37		0.00	6.94				18.28
Green Extension Time (p_c)		1.65			1.60		0.00	13.42				7.00
<b>Intersection Summary</b>												
HCM 2010 Control Delay					7.7							
HCM 2010 Level of Service					A							

HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

AM Peak Alternative 2  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	13	60	21	13	90	5	22	620	10	192	387	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	0.98		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1825	1825	1825	1836	1836	1836	1792	1792	1792	1900	1807	1807
Lanes	0	2	0	0	1	0	0	2	0	1	2	0
Capacity, veh/h	97	326	101	72	222	11	0	2593	40	571	2566	82
Arriving On Green	0.15	0.15	0.15	0.15	0.15	0.15	0.00	0.74	0.74	0.74	0.74	0.74
Sat Flow, veh/h	419.6	1873.4	676.3	200.1	1279.1	73.3	0.0	3519.5	54.1	704.0	3482.2	111.2
Grp Volume(v), veh/h	69.1	0.0	64.6	146.9	0.0	0.0	0.0	376.6	374.6	229.1	239.2	237.3
Grp Sat Flow(s),veh/h/ln	1551.2	0.0	1519.8	1658.6	0.0	0.0	0.0	1791.8	1781.8	704.0	1806.6	1786.7
Q Serve(g_s), s	0.0	0.0	2.7	0.6	0.0	0.0	0.0	4.9	4.9	11.3	2.8	2.8
Cycle Q Clear(g_c), s	2.4	0.0	2.7	5.4	0.0	0.0	0.0	4.9	4.9	16.3	2.8	2.8
Proportion In Lane	0.271		0.445	0.121		0.044	0.000		0.030	1.000		0.062
Lane Grp Cap(c), veh/h	297.1	0.0	227.6	305.6	0.0	0.0	0.0	1320.3	1312.9	571.5	1331.3	1316.6
V/C Ratio(X)	0.233	0.000	0.284	0.481	0.000	0.000	0.000	0.285	0.285	0.401	0.180	0.180
Avail Cap(c_a), veh/h	646.7	0.0	687.5	725.1	0.0	0.0	0.0	1320.3	1312.9	571.5	1331.3	1316.6
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	26.5	0.0	26.6	27.7	0.0	0.0	0.0	3.1	3.1	5.8	2.8	2.8
Incr Delay (d2), s/veh	0.4	0.0	0.7	1.2	0.0	0.0	0.0	0.5	0.5	0.5	0.1	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.9	0.0	27.3	28.9	0.0	0.0	0.0	3.6	3.6	6.3	2.9	2.9
Lane Group LOS	C		C	C				A	A	A	A	A
Approach Volume, veh/h		134			147			751			706	
Approach Delay, s/veh		27.1			28.9			3.6			4.0	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2			6	
Phase Duration (G+Y+Rc), s		14.57			14.57		0.00	56.00			56.00	
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00			30.00	
Max Q Clear Time (g_c+I1), s		4.67			7.37		0.00	6.94			18.28	
Green Extension Time (p_c)		1.65			1.60		0.00	13.42			7.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					7.7							
HCM 2010 Level of Service					A							

HCM 2010 Signalized Intersection Summary  
 1: West Street & Forest Avenue

AM Peak Alternative 2  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕			↑	↗			
Volume (vph)	0	257	2	198	134	0	0	4	183	0	0	0
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	0.00
Adj Sat Flow Rate	0	1900	1900	1841	1841	0	0	1900	1810	0	0	0
Lanes	0	1	0	0	1	0	0	1	1	0	0	0
Capacity, veh/h	0	813	6	492	265	0	0	362	293	0	0	0
Arriving On Green	0.00	0.43	0.43	0.43	0.43	0.00	0.00	0.19	0.00	0.00	0.00	0.00
Sat Flow, veh/h	0.0	1883.6	14.0	672.2	344.3	0.0		1900.0	1538.1			0
Grp Volume(v), veh/h	0.0	0.0	331.5	363.1	0.0	0.0		4.4	0.0		0.0	
Grp Sat Flow(s),veh/h/ln	0.0	0.0	1897.5	1127.0	0.0	0.0		1900.0	1538.1			
Q Serve(g_s), s	0.0	0.0	2.5	1.2	0.0	0.0		0.0	0.0			
Cycle Q Clear(g_c), s	0.0	0.0	2.5	3.8	0.0	0.0		0.0	0.0			
Proportion In Lane	0.000		0.007	0.596		0.000			1.000			
Lane Grp Cap(c), veh/h	0.0	0.0	819.3	758.0	0.0	0.0		362.0	293.1			
V/C Ratio(X)	0.000	0.000	0.405	0.479	0.000	0.000		0.012	0.000			
Avail Cap(c_a), veh/h	0.0	0.0	1433.2	1033.5	0.0	0.0		1435.1	1161.8			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00			
Upstream Filter(I)	0.000	0.000	1.000	1.000	0.000	0.000		1.000	0.000			
Uniform Delay (d), s/veh	0.0	0.0	4.1	4.3	0.0	0.0		7.0	0.0			
Incr Delay (d2), s/veh	0.0	0.0	0.3	0.5	0.0	0.0		0.0	0.0			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0			
Lane Group Delay (d), s/veh	0.0	0.0	4.5	4.8	0.0	0.0		7.0	0.0			
Lane Group LOS			A	A				A				
Approach Volume, veh/h		332			363			4				
Approach Delay, s/veh		4.5			4.8			7.0				
Approach LOS		A			A			A				
<b>Timer</b>												
Assigned Phase		4			8			2				
Phase Duration (G+Y+Rc), s		13.15			13.15			8.04				
Change Period (Y+Rc), s		4.00			4.00			4.00				
Max Green Setting (Gmax), s		16.00			16.00			16.00				
Max Q Clear Time (g_c+I1), s		4.55			5.79			2.04				
Green Extension Time (p_c)		3.67			3.43			0.00				
<b>Intersection Summary</b>												
HCM 2010 Control Delay			4.6									
HCM 2010 Level of Service			A									

Lanes, Volumes, Timings  
7: Memorial Drive & Forest Avenue/

	→	↘	↙	←	↖	↗
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↗		↘	↗	↘	↗
Volume (vph)	241	98	165	348	95	201
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)		0	180		0	0
Storage Lanes		0	1		1	1
Taper Length (ft)			25		25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99		1.00		1.00	0.97
Frt	0.961					0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	1725	0	1805	1863	1703	1495
Flt Permitted			0.258		0.950	
Satd. Flow (perm)	1725	0	489	1863	1696	1454
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	40					398
Link Speed (mph)	30			30	30	
Link Distance (ft)	594			1467	462	
Travel Time (s)	13.5			33.3	10.5	
Confl. Peds. (#/hr)		2	4		2	4
Peak Hour Factor	0.74	0.74	0.93	0.93	0.53	0.53
Growth Factor	105%	105%	105%	105%	105%	105%
Heavy Vehicles (%)	6%	3%	0%	2%	6%	8%
Adj. Flow (vph)	342	139	186	393	188	398
Shared Lane Traffic (%)						
Lane Group Flow (vph)	481	0	186	393	188	398
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			12	12	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)		9	15		15	9
Number of Detectors	2		1	2	1	1
Detector Template	Thru		Left	Thru	Left	Right
Leading Detector (ft)	100		20	100	20	20
Trailing Detector (ft)	0		0	0	0	0
Detector 1 Position(ft)	0		0	0	0	0
Detector 1 Size(ft)	6		20	6	20	20
Detector 1 Type	Cl+Ex		Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Queue (s)	0.0		0.0	0.0	0.0	0.0
Detector 1 Delay (s)	0.0		0.0	0.0	0.0	0.0
Detector 2 Position(ft)	94			94		
Detector 2 Size(ft)	6			6		
Detector 2 Type	Cl+Ex			Cl+Ex		
Detector 2 Channel						
Detector 2 Extend (s)	0.0			0.0		

Lanes, Volumes, Timings  
7: Memorial Drive & Forest Avenue/



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Turn Type	NA		pm+pt	NA	NA	Perm
Protected Phases	4		3	8	2	
Permitted Phases			8			2
Detector Phase	4		3	8	2	2
Switch Phase						
Minimum Initial (s)	4.0		4.0	4.0	4.0	4.0
Minimum Split (s)	20.0		8.0	20.0	20.0	20.0
Total Split (s)	27.0		10.0	37.0	23.0	23.0
Total Split (%)	45.0%		16.7%	61.7%	38.3%	38.3%
Maximum Green (s)	23.0		6.0	33.0	19.0	19.0
Yellow Time (s)	3.5		3.5	3.5	3.5	3.5
All-Red Time (s)	0.5		0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	0.0
Total Lost Time (s)	4.0		4.0	4.0	4.0	4.0
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Recall Mode	None		None	None	Min	Min
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effect Green (s)	17.1		24.5	24.5	11.1	11.1
Actuated g/C Ratio	0.39		0.55	0.55	0.25	0.25
v/c Ratio	0.70		0.40	0.38	0.44	0.60
Control Delay	17.9		7.7	6.9	19.8	6.6
Queue Delay	0.0		0.0	0.0	0.0	0.0
Total Delay	17.9		7.7	6.9	19.8	6.6
LOS	B		A	A	B	A
Approach Delay	17.9			7.2	10.8	
Approach LOS	B			A	B	

Intersection Summary

Area Type: Other  
 Cycle Length: 60  
 Actuated Cycle Length: 44.4  
 Natural Cycle: 60  
 Control Type: Actuated-Uncoordinated  
 Maximum v/c Ratio: 0.70  
 Intersection Signal Delay: 11.6  
 Intersection Capacity Utilization 45.7%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 7: Memorial Drive & Forest Avenue/















HCM 2010 Signalized Intersection Summary  
 27: Main Street & Forrest Avenue/Martin Place

AM Build Alternative Signal  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	128	0	101	0	0	0	128	487	0	10	197	63
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	0.99		1.00	1.00		0.98
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1598	0	1629	0	0	0	1710	1676	0	1539	1539	1539
Lanes	1	1	0	0	1	0	1	1	0	0	1	0
Capacity, veh/h	220	0	0	0	0	0	404	810	0	86	339	100
Arriving On Green	0.34	0.00	0.34	0.00	0.00	0.00	0.09	0.48	0.00	0.31	0.31	0.31
Sat Flow, veh/h	1514.6	0.0	0.0	0.0	0.0	0.0	1628.6	1676.5	0.0	53.5	1003.4	320.7
Grp Volume(v), veh/h	161.9	0.0	121.7	0.0	0.0	0.0	149.3	568.2	0.0	326.0	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1514.6	0.0	0.0	0.0	0.0	0.0	1628.6	1676.5	0.0	1427.2	0.0	0.0
Q Serve(g_s), s	2.0	0.0	16.0	0.0	16.0	0.0	2.6	12.3	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	16.0	0.0	16.0	0.0	2.6	12.3	0.0	9.1	0.0	0.0
Proportion In Lane	1.000		1.000	0.000		0.000	1.000		0.000	0.037		0.225
Lane Grp Cap(c), veh/h	220.4	0.0	0.0	0.0	0.0	0.0	404.3	809.6	0.0	525.2	0.0	0.0
V/C Ratio(X)	0.735	0.000	0.000	0.000	0.000	0.000	0.369	0.702	0.000	0.621	0.000	0.000
Avail Cap(c_a), veh/h	220.4	0.0	0.0	0.0	0.0	0.0	406.1	939.1	0.0	628.3	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	0.000	0.000	0.000	1.000	1.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	22.8	0.0	0.0	0.0	0.0	0.0	9.6	9.4	0.0	14.1	0.0	0.0
Incr Delay (d2), s/veh	12.0	0.0	0.0	0.0	0.0	0.0	0.6	2.0	0.0	1.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	34.8	0.0	0.0	0.0	0.0	0.0	10.2	11.3	0.0	15.5	0.0	0.0
Lane Group LOS	C						B	B		B		
Approach Volume, veh/h		284			0			718			326	
Approach Delay, s/veh		19.9			0.0			11.1			15.5	
Approach LOS		B						B			B	
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		20.00			20.00		7.95	26.41				18.46
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		16.00			16.00		4.00	26.00				18.00
Max Q Clear Time (g_c+I1), s		18.00			0.00		4.62	14.30				11.09
Green Extension Time (p_c)		0.00			0.00		0.00	4.60				3.22
<b>Intersection Summary</b>												
HCM 2010 Control Delay					14.1							
HCM 2010 Level of Service					B							

HCM 2010 Signalized Intersection Summary  
1: West Street & Forest Avenue

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕	↕	↕	
Volume (vph)	0	65	2	198	134	230	1	4	183	161	5	3
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	0	1900	1900	1841	1841	1863	1869	1869	1810	1863	1863	1863
Lanes	0	1	0	0	1	1	0	1	1	1	1	0
Capacity, veh/h	0	735	22	355	205	633	173	590	615	739	446	255
Arriving On Green	0.00	0.40	0.40	0.40	0.40	0.00	0.40	0.40	0.00	0.40	0.40	0.40
Sat Flow, veh/h	0.0	1836.7	53.8	620.9	420.2	1583.3	319.7	1320.4	1538.1	1402.8	1113.9	636.5
Grp Volume(v), veh/h	0.0	0.0	85.7	363.1	0.0	0.0	5.7	0.0	0.0	183.8	0.0	9.0
Grp Sat Flow(s),veh/h/ln	0.0	0.0	1890.3	1041.2	0.0	1583.3	1640.1	0.0	1538.1	1402.8	0.0	1750.4
Q Serve(g_s), s	0.0	0.0	1.1	11.1	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.1
Cycle Q Clear(g_c), s	0.0	0.0	1.1	12.5	0.0	0.0	0.1	0.0	0.0	3.7	0.0	0.1
Proportion In Lane	0.000		0.028	0.596		1.000	0.195		1.000	1.000		0.364
Lane Grp Cap(c), veh/h	0.0	0.0	756.1	560.1	0.0	633.3	763.6	0.0	615.2	738.6	0.0	700.2
V/C Ratio(X)	0.000	0.000	0.113	0.648	0.000	0.000	0.007	0.000	0.000	0.249	0.000	0.013
Avail Cap(c_a), veh/h	0.0	0.0	756.1	560.1	0.0	633.3	763.6	0.0	615.2	738.6	0.0	700.2
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.000	0.000	1.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	0.0	0.0	7.5	10.5	0.0	0.0	7.2	0.0	0.0	8.3	0.0	7.2
Incr Delay (d2), s/veh	0.0	0.0	0.3	5.7	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	0.0	0.0	7.8	16.2	0.0	0.0	7.2	0.0	0.0	9.1	0.0	7.3
Lane Group LOS			A	B			A			A		A
Approach Volume, veh/h		86			363			6			193	
Approach Delay, s/veh		7.8			16.2			7.2			9.1	
Approach LOS		A			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			20.00			20.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			16.00			16.00	
Max Q Clear Time (g_c+I1), s		3.14			14.47			2.07			5.70	
Green Extension Time (p_c)		2.29			0.44			0.47			0.40	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.9								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forrest Avenue













AM Build Alternative Signal  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	14	363	88	11	280	24	62	55	7	14	54	18
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	0.98		1.00	1.00		0.98
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1773	1773	1773	1844	1844	1844	1865	1865	1865	1798	1798	1798
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	93	614	138	94	736	59	288	225	22	138	406	113
Arriving On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.36	0.36	0.36	0.36	0.36	0.36
Sat Flow, veh/h	50.9	1274.5	304.4	62.0	1493.4	128.8	568.0	464.6	61.1	253.9	873.8	310.9
Grp Volume(v), veh/h	597.3	0.0	0.0	406.9	0.0	0.0	166.5	0.0	0.0	110.4	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1673.7	0.0	0.0	1768.9	0.0	0.0	1133.0	0.0	0.0	1544.3	0.0	0.0
Q Serve(g_s), s	0.6	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	12.9	0.0	0.0	6.9	0.0	0.0	3.5	0.0	0.0	1.9	0.0	0.0
Proportion In Lane	0.030		0.182	0.035		0.073	0.501		0.054	0.164		0.201
Lane Grp Cap(c), veh/h	845.0	0.0	0.0	888.6	0.0	0.0	534.9	0.0	0.0	656.9	0.0	0.0
V/C Ratio(X)	0.707	0.000	0.000	0.458	0.000	0.000	0.311	0.000	0.000	0.168	0.000	0.000
Avail Cap(c_a), veh/h	1065.1	0.0	0.0	1117.0	0.0	0.0	534.9	0.0	0.0	656.9	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	10.0	0.0	0.0	8.4	0.0	0.0	9.7	0.0	0.0	9.5	0.0	0.0
Incr Delay (d2), s/veh	1.6	0.0	0.0	0.4	0.0	0.0	1.5	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	11.6	0.0	0.0	8.8	0.0	0.0	11.2	0.0	0.0	10.1	0.0	0.0
Lane Group LOS	B			A			B			B		
Approach Volume, veh/h		597			407			166			110	
Approach Delay, s/veh		11.6			8.8			11.2			10.1	
Approach LOS		B			A			B			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		24.00			24.00			20.00			20.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		26.00			26.00			16.00			16.00	
Max Q Clear Time (g_c+I1), s		14.92			8.91			5.52			3.91	
Green Extension Time (p_c)		5.08			6.52			1.15			1.25	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				10.5								
HCM 2010 Level of Service				B								















HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street

School Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	126	277	32	65	267	66	45	320	60	80	345	168
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.99	1.00		0.98
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1865	1865	1865	1875	1875	1875	1868	1868	1868	1878	1878	1878
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	232	478	50	148	562	126	98	435	76	198	732	333
Arriving On Green	0.50	0.50	0.50	0.50	0.50	0.50	0.36	0.36	0.36	0.36	0.36	0.36
Sat Flow, veh/h	393.8	725.5	99.0	249.2	902.1	250.5	157.9	1077.6	208.4	442.4	1603.0	915.0
Grp Volume(v), veh/h	477.2	0.0	0.0	436.2	0.0	0.0	465.9	0.0	0.0	343.5	0.0	305.6
Grp Sat Flow(s),veh/h/ln	1358.7	0.0	0.0	1523.1	0.0	0.0	1488.9	0.0	0.0	1730.5	0.0	1531.4
Q Serve(g_s), s	2.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	9.5
Cycle Q Clear(g_c), s	11.4	0.0	0.0	9.4	0.0	0.0	17.0	0.0	0.0	8.5	0.0	9.5
Proportion In Lane	0.290		0.073	0.164		0.164	0.106		0.140	0.256		0.597
Lane Grp Cap(c), veh/h	760.4	0.0	0.0	835.3	0.0	0.0	608.1	0.0	0.0	705.0	0.0	556.9
V/C Ratio(X)	0.628	0.000	0.000	0.522	0.000	0.000	0.766	0.000	0.000	0.487	0.000	0.549
Avail Cap(c_a), veh/h	760.4	0.0	0.0	835.3	0.0	0.0	638.8	0.0	0.0	730.7	0.0	593.1
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.986	0.000	0.000	0.675	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	9.8	0.0	0.0	9.7	0.0	0.0	17.0	0.0	0.0	14.8	0.0	15.1
Incr Delay (d2), s/veh	3.9	0.0	0.0	2.3	0.0	0.0	3.6	0.0	0.0	0.5	0.0	0.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	13.7	0.0	0.0	12.0	0.0	0.0	20.6	0.0	0.0	15.3	0.0	16.0
Lane Group LOS	B			B			C			B		B
Approach Volume, veh/h		477			436			466			649	
Approach Delay, s/veh		13.7			12.0			20.6			15.7	
Approach LOS		B			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8			4	
Phase Duration (G+Y+Rc), s		34.00			34.00			25.72			25.72	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00			23.00			23.00	
Max Q Clear Time (g_c+I1), s		13.35			11.38			19.02			11.48	
Green Extension Time (p_c)		6.24			6.59			2.52			5.80	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				15.6								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 24: Warren Ave & Forest Avenue

School Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	38	226	85	21	196	22	97	214	25	41	271	42
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		0.93	0.97		0.92	0.98		0.95	0.98		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1937	1937	1937	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	110	354	122	99	470	49	245	508	53	129	697	99
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	172.6	974.9	382.3	148.1	1278.5	153.6	396.4	768.2	101.2	188.4	1137.9	191.0
Grp Volume(v), veh/h	382.2	0.0	0.0	262.1	0.0	0.0	368.6	0.0	0.0	388.2	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1581.4	0.0	0.0	1684.0	0.0	0.0	1372.2	0.0	0.0	1624.4	0.0	0.0
Q Serve(g_s), s	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	7.1	0.0	0.0	5.7	0.0	0.0	5.7	0.0	0.0	6.5	0.0	0.0
Proportion In Lane	0.109		0.242	0.088		0.091	0.289		0.074	0.116		0.118
Lane Grp Cap(c), veh/h	585.9	0.0	0.0	617.2	0.0	0.0	806.3	0.0	0.0	925.1	0.0	0.0
V/C Ratio(X)	0.652	0.000	0.000	0.425	0.000	0.000	0.457	0.000	0.000	0.420	0.000	0.000
Avail Cap(c_a), veh/h	585.9	0.0	0.0	617.2	0.0	0.0	806.3	0.0	0.0	925.1	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.4	0.0	0.0	13.5	0.0	0.0	7.1	0.0	0.0	7.3	0.0	0.0
Incr Delay (d2), s/veh	5.6	0.0	0.0	2.1	0.0	0.0	1.9	0.0	0.0	1.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	12.9	0.0	0.0	15.6	0.0	0.0	9.0	0.0	0.0	8.7	0.0	0.0
Lane Group LOS	B			B			A			A		
Approach Volume, veh/h		382			262			369			388	
Approach Delay, s/veh		12.9			15.6			9.0			8.7	
Approach LOS		B			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		9.09			7.74			7.75			8.53	
Green Extension Time (p_c)		2.36			2.67			5.09			4.99	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				11.2								
HCM 2010 Level of Service				B								

**Intersection**

Intersection Delay (sec/veh): 20.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	39	281	118	61	299	16	93	36	92	27	37	45
Conflicting Peds.(#/hr)	1	0	1	5	0	5	2	0	2	1	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	43	308	130	67	328	18	102	40	101	30	41	49
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	347	0	0	440	0	0	978	942	380	1004	998	339
Stage 1	-	-	-	-	-	-	461	461	-	472	472	-
Stage 2	-	-	-	-	-	-	517	481	-	532	526	-
Follow-up Headway	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Capacity-1 Maneuver	1237	-	-	1120	-	-	226	253	667	214	231	819
Stage 1	-	-	-	-	-	-	581	565	-	631	580	-
Stage 2	-	-	-	-	-	-	589	574	-	531	529	-
Time blocked-Platoon(%)	20	-	-	0	-	-	20	20	0	20	20	20
Mov Capacity-1 Maneuver	1236	-	-	1115	-	-	163	223	663	142	203	817
Mov Capacity-2 Maneuver	-	-	-	-	-	-	163	223	-	142	203	-
Stage 1	-	-	-	-	-	-	553	538	-	601	536	-
Stage 2	-	-	-	-	-	-	473	530	-	396	503	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.7	1.4	87.8	31
HCM LOS	A	A	F	D

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	254							255
HCM Control Delay (s)	87.8	8.017	0	-	8.435	0	-	31
HCM Lane VC Ratio	0.955	0.035	-	-	0.06	-	-	0.469
HCM Lane LOS	F	A	A	-	A	A	-	D
HCM 95th Percentile Queue (veh)	8.854	0.108	-	-	0.191	-	-	2.331

**Intersection**

Intersection Delay (sec/veh): 95.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	484	56	118	441	140	198
Conflicting Peds.(#/hr)	0	23	42	0	23	42
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.95	0.95	0.62	0.62
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	531	61	125	469	228	323
Number of Lanes	1	0	0	1	1	1













Major/Minor	Major 1	Major 2	Major 1	Major 2	Major 1	Major 2
Conflicting Flow Rate - All	0	0	634	0	1323	646
Stage 1	-	-	-	-	604	-
Stage 2	-	-	-	-	719	-
Follow-up Headway	-	-	2.218	-	3.518	3.318
Pot Capacity-1 Maneuver	-	-	949	-	# 129	472
Stage 1	-	-	-	-	546	-
Stage 2	-	-	-	-	488	-
Time blocked-Platoon(%)	-	-	0	-	34	0
Mov Capacity-1 Maneuver	-	-	916	-	# 100	440
Mov Capacity-2 Maneuver	-	-	-	-	# 100	-
Stage 1	-	-	-	-	527	-
Stage 2	-	-	-	-	390	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	2	298.8
HCM LOS	A	A	F

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	100	440				
HCM Control Delay (s)	\$ 675.5	32.5	-	-	9.553	-
HCM Lane VC Ratio	2.281	0.733	-	-	0.137	-
HCM Lane LOS	F	D	-	-	A	-
HCM 95th Percentile Queue (veh)	20.235	5.882	-	-	0.474	-

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forest Avenue

School Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	513	117	5	412	31	77	54	3	21	71	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.57	1.00		0.95	0.98		0.73	0.88		0.98
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	80	412	91	75	547	40	390	247	12	158	484	204
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	41.9	1353.7	285.7	20.6	1639.7	126.3	591.7	382.8	22.8	245.1	777.2	392.9
Grp Volume(v), veh/h	767.4	0.0	0.0	513.8	0.0	0.0	276.1	0.0	0.0	181.3	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1593.1	0.0	0.0	1841.5	0.0	0.0	1029.4	0.0	0.0	1466.6	0.0	0.0
Q Serve(g_s), s	4.5	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	11.5	0.0	0.0	6.3	0.0	0.0	2.7	0.0	0.0
Proportion In Lane	0.026		0.179	0.011		0.069	0.575		0.022	0.167		0.268
Lane Grp Cap(c), veh/h	583.7	0.0	0.0	662.1	0.0	0.0	648.7	0.0	0.0	846.6	0.0	0.0
V/C Ratio(X)	1.315	0.000	0.000	0.776	0.000	0.000	0.426	0.000	0.000	0.214	0.000	0.000
Avail Cap(c_a), veh/h	583.7	0.0	0.0	662.1	0.0	0.0	648.7	0.0	0.0	846.6	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.9	0.0	0.0	8.2	0.0	0.0	6.5	0.0	0.0	6.4	0.0	0.0
Incr Delay (d2), s/veh	153.5	0.0	0.0	8.7	0.0	0.0	2.0	0.0	0.0	0.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	171.5	0.0	0.0	16.9	0.0	0.0	8.6	0.0	0.0	7.0	0.0	0.0
Lane Group LOS	F			B			A			A		
Approach Volume, veh/h		767			514			276			181	
Approach Delay, s/veh		171.5			16.9			8.6			7.0	
Approach LOS		F			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			13.48			8.29			4.75	
Green Extension Time (p_c)		0.00			1.90			2.88			3.08	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				82.8								
HCM 2010 Level of Service				F								

**Intersection**

Intersection Delay (sec/veh): 12.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	136	1	165	2	1	3	37	115	1	1	294	78
Conflicting Peds.(#/hr)	28	0	32	42	0	38	28	0	38	43	0	42
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2	2	2	2	2	2	2
Movement Flow Rate	149	1	181	2	1	3	41	126	1	1	323	86
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Minor 2			Minor 1			Major 1			Major 2		
Conflicting Flow Rate - All	653	651	436	742	694	212	441	0	0	169	0	0
Stage 1	400	400	-	251	251	-	-	-	-	-	-	-
Stage 2	253	251	-	491	443	-	-	-	-	-	-	-
Follow-up Headway	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Capacity-1 Maneuver	380	388	620	332	367	828	1119	-	-	1409	-	-
Stage 1	626	602	-	753	699	-	-	-	-	-	-	-
Stage 2	751	699	-	559	576	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	343	351	584	208	332	775	1084	-	-	1359	-	-
Mov Capacity-2 Maneuver	343	351	-	208	332	-	-	-	-	-	-	-
Stage 1	584	585	-	701	651	-	-	-	-	-	-	-
Stage 2	690	651	-	372	560	-	-	-	-	-	-	-

Approach	EB			WB			NB			SB		
HCM Control Delay (s)	33.6			15.1			2			0		
HCM LOS	D			C			A			A		

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				443	364			
HCM Control Delay (s)	8.45	0	-	33.6	15.1	7.651	0	-
HCM Lane VC Ratio	0.037	-	-	0.748	0.018	0.001	-	-
HCM Lane LOS	A	A	-	D	C	A	A	-
HCM 95th Percentile Queue (veh)	0.117	-	-	6.181	0.055	0.002	-	-

**Intersection**

Intersection Delay (sec/veh): 11.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	3	334	335	290	237	0
Conflicting Peds.(#/hr)	29	0	0	11	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade (%)		0%	0%		0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	3	367	368	318	260	0
Number of Lanes	0	1	1	0	1	0



















Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	686	0	0	0	900	-
Stage 1	-	-	-	-	527	-
Stage 2	-	-	-	-	373	-
Follow-up Headway	2.218	-	-	-	3.518	0
Pot Capacity-1 Maneuver	858	-	-	-	304	0
Stage 1	-	-	-	-	627	0
Stage 2	-	-	-	-	696	0
Time blocked-Platoon(%)	26	-	-	-	26	0
Mov Capacity-1 Maneuver	837	-	-	-	303	-
Mov Capacity-2 Maneuver	-	-	-	-	303	-
Stage 1	-	-	-	-	627	-
Stage 2	-	-	-	-	693	-

Approach	EB	WB	SB
HCM Control Delay (s)	0.1	0	59.9
HCM LOS	A	A	F

Lane	EBL	EBT	WBT	WBR	SBLn1
Capacity (vph)					303
HCM Control Delay (s)	9.318	-	-	-	59.9
HCM Lane VC Ratio	0.004	-	-	-	0.859
HCM Lane LOS	A	-	-	-	F
HCM 95th Percentile Queue (veh)	0.012	-	-	-	7.558

HCM 2010 Signalized Intersection Summary  
3: Belmont Street & West Street











School Peak Hour  
12/9/2014

												
Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	4	210	95	5	221	173	148	522	6	55	375	6
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.91	0.96		0.98	1.00		0.94	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1887	1887	1887	1811	1811	1881	1849	1849	1849	1831	1831	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	70	375	166	72	561	495	135	793	9	135	797	772
Arriving On Green	0.32	0.32	0.32	0.32	0.32	0.32	0.48	0.48	0.48	0.48	0.48	0.00
Sat Flow, veh/h	22.3	1194.0	525.1	39.6	1748.4	1568.6	0.0	2338.7	18.9	0.0	1666.6	1615.0
Grp Volume(v), veh/h	366.0	0.0	0.0	265.4	0.0	201.2	160.7	0.0	573.4	59.1	402.9	0.0
Grp Sat Flow(s),veh/h/ln	1719.9	0.0	0.0	1787.9	0.0	1568.6	0.0	0.0	1677.9	0.0	1666.6	1615.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	5.4	0.0	0.0	14.4	0.0	5.8	0.0
Cycle Q Clear(g_c), s	9.8	0.0	0.0	6.3	0.0	5.4	25.5	0.0	14.4	25.5	5.8	0.0
Proportion In Lane	0.013		0.305	0.022		1.000	1.000		0.011	1.000		1.000
Lane Grp Cap(c), veh/h	611.1	0.0	0.0	633.2	0.0	495.0	135.0	0.0	802.3	135.0	0.0	772.2
V/C Ratio(X)	0.599	0.000	0.000	0.419	0.000	0.406	1.191	0.000	0.715	0.438	0.000	0.000
Avail Cap(c_a), veh/h	743.5	0.0	0.0	768.5	0.0	617.7	135.0	0.0	802.3	135.0	0.0	772.2
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	0.000
Uniform Delay (d), s/veh	15.8	0.0	0.0	14.6	0.0	14.3	26.7	0.0	11.0	26.7	0.0	0.0
Incr Delay (d2), s/veh	0.9	0.0	0.0	0.4	0.0	0.5	137.6	0.0	5.4	10.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	16.8	0.0	0.0	15.1	0.0	14.9	164.3	0.0	16.4	36.6	0.0	0.0
Lane Group LOS	B			B		B	F		B	D		
Approach Volume, veh/h		366			467			734			462	
Approach Delay, s/veh		16.8			15.0			48.8			4.7	
Approach LOS		B			B			D			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		22.33			22.33			31.00			31.00	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		21.00			21.00			25.50			25.50	
Max Q Clear Time (g_c+I1), s		11.80			8.27			27.50			27.50	
Green Extension Time (p_c)		3.26			3.92			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			25.2									
HCM 2010 Level of Service			C									



Lanes, Volumes, Timings  
10: Belmont Street & Torrey Street

School Peak Hour  
12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	260	0	0	556	389	303
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					
Frt						0.850
Flt Protected	0.950					
Satd. Flow (prot)	1770	0	0	1863	1863	1583
Flt Permitted	0.950					
Satd. Flow (perm)	1765	0	0	1863	1863	1583
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)						
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Confl. Peds. (#/hr)	2		13			
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Growth Factor	101%	101%	101%	101%	101%	101%
Adj. Flow (vph)	285	0	0	610	427	333
Shared Lane Traffic (%)						
Lane Group Flow (vph)	285	0	0	610	427	333
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

School Peak Hour  
 12/9/2014



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Protected Phases	4			2	2	4
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			Max	Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effct Green (s)	13.8			41.0	41.0	62.9
Actuated g/C Ratio	0.22			0.65	0.65	1.00
v/c Ratio	0.73			0.50	0.35	0.21
Control Delay	34.9			7.9	6.3	0.3
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	34.9			7.9	6.3	0.3
LOS	C			A	A	A
Approach Delay	34.9			7.9	3.7	
Approach LOS	C			A	A	

Intersection Summary













Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 62.9  
 Natural Cycle: 45  
 Control Type: Semi Act-Uncoord  
 Maximum v/c Ratio: 0.73  
 Intersection Signal Delay: 10.6  
 Intersection Capacity Utilization 50.8%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 10: Belmont Street & Torrey Street



HCM 2010 Signalized Intersection Summary  
5: Belmont Street & Shaws Plaza/West Street

School Peak Hour  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	52	30	48	172	40	1	38	606	194	3	546	44
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.89		0.91	1.00		0.84	1.00		0.94	0.98		0.97
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1873	1873	1873	1841	1841	1841	1900	1759	1759	1830	1830	1830
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	131	68	70	0	304	8	49	1775	562	59	1952	155
Arriving On Green	0.17	0.17	0.17	0.00	0.17	0.17	0.03	0.70	0.70	0.61	0.61	0.61
Sat Flow, veh/h	447.8	246.2	409.3	0.0	1778.7	44.0	1809.5	2522.4	798.3	17.4	3275.8	252.0
Grp Volume(v), veh/h	161.5	0.0	0.0	0.0	0.0	42.7	40.0	444.3	395.4	344.5	0.0	306.0
Grp Sat Flow(s),veh/h/ln	1115.5	0.0	0.0	0.0	0.0	1822.8	1809.5	1758.8	1562.0	1820.9	0.0	1612.5
Q Serve(g_s), s	6.3	0.0	0.0	0.0	0.0	1.3	1.4	6.4	6.4	0.0	0.0	5.8
Cycle Q Clear(g_c), s	8.6	0.0	0.0	0.0	0.0	1.3	1.4	6.4	6.4	5.7	0.0	5.8
Proportion In Lane	0.401		0.367	0.000		0.024	1.000		0.511	0.010		0.156
Lane Grp Cap(c), veh/h	269.7	0.0	0.0	0.0	0.0	311.7	49.4	1237.9	1099.5	1175.0	0.0	990.1
V/C Ratio(X)	0.599	0.000	0.000	0.000	0.000	0.137	0.810	0.359	0.360	0.293	0.000	0.309
Avail Cap(c_a), veh/h	361.1	0.0	0.0	0.0	0.0	769.8	283.0	1237.9	1099.5	1175.0	0.0	990.1
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	24.6	0.0	0.0	0.0	0.0	22.5	30.9	3.8	3.8	5.9	0.0	5.9
Incr Delay (d2), s/veh	2.1	0.0	0.0	0.0	0.0	0.2	25.8	0.8	0.9	0.6	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.7	0.0	0.0	0.0	0.0	22.7	56.7	4.6	4.7	6.5	0.0	6.7
Lane Group LOS	C					C	E	A	A	A		A
Approach Volume, veh/h		162			43			880			651	
Approach Delay, s/veh		26.7			22.7			7.0			6.6	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4		3	8		5	2			6	
Phase Duration (G+Y+Rc), s		14.93		0.00	14.93		5.74	49.00			43.26	
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		17.00		6.00	27.00		10.00	45.00			31.00	
Max Q Clear Time (g_c+I1), s		10.60		0.00	3.27		3.41	8.42			7.78	
Green Extension Time (p_c)		0.63		0.00	1.36		0.02	12.99			10.80	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				9.1								
HCM 2010 Level of Service				A								













HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

School Peak Hour  
 12/9/2014

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	44	118	57	38	113	18	32	618	14	26	488	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.95		1.00	1.00		0.90	1.00		0.95	0.99		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1863	1863	1863	1772	1772	1772	1799	1799	1799
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	169	393	180	103	245	34	0	2321	52	110	1892	163
Arriving On Green	0.22	0.22	0.22	0.22	0.22	0.22	0.00	0.67	0.67	0.67	0.67	0.67
Sat Flow, veh/h	593.0	1486.9	807.4	327.8	881.5	153.7	0.0	3447.4	77.3	145.6	2771.7	241.8
Grp Volume(v), veh/h	117.9	0.0	116.8	210.5	0.0	0.0	0.0	344.8	341.4	306.2	0.0	311.6
Grp Sat Flow(s),veh/h/ln	1479.0	0.0	1555.1	1456.2	0.0	0.0	0.0	1771.7	1753.0	1544.6	0.0	1594.3
Q Serve(g_s), s	0.0	0.0	4.9	3.9	0.0	0.0	0.0	6.1	6.1	0.0	0.0	6.1
Cycle Q Clear(g_c), s	4.1	0.0	4.9	9.2	0.0	0.0	0.0	6.1	6.1	5.2	0.0	6.1
Proportion In Lane	0.401		0.519	0.225		0.106	0.000		0.044	0.094		0.152
Lane Grp Cap(c), veh/h	395.1	0.0	346.8	381.9	0.0	0.0	0.0	1193.0	1180.4	1091.1	0.0	1073.6
V/C Ratio(X)	0.298	0.000	0.337	0.551	0.000	0.000	0.000	0.289	0.289	0.281	0.000	0.290
Avail Cap(c_a), veh/h	572.0	0.0	629.6	597.6	0.0	0.0	0.0	1193.0	1180.4	1091.1	0.0	1073.6
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	24.9	0.0	25.2	26.5	0.0	0.0	0.0	5.1	5.1	5.0	0.0	5.1
Incr Delay (d2), s/veh	0.4	0.0	0.6	1.2	0.0	0.0	0.0	0.6	0.6	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	25.3	0.0	25.8	27.7	0.0	0.0	0.0	5.7	5.7	5.1	0.0	5.3
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		235			211			686			618	
Approach Delay, s/veh		25.5			27.7			5.7			5.2	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2			6	
Phase Duration (G+Y+Rc), s		21.22			21.22		0.00	56.00			56.00	
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00			30.00	
Max Q Clear Time (g_c+I1), s		6.87			11.15		0.00	8.10			8.13	
Green Extension Time (p_c)		2.85			2.67		0.00	11.10			8.93	
<b>Intersection Summary</b>												
HCM 2010 Control Delay			10.8									
HCM 2010 Level of Service			B									






















HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forest Avenue

School Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	38	576	25	41	480	26	43	100	28	37	84	27
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.77	1.00		0.98	0.98		0.68	0.98		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1812	1812	1812	1873	1873	1873	1827	1827	1827	1900	1900	1900
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	82	789	33	94	817	42	150	313	77	175	376	107
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	98.3	1410.3	64.0	131.0	1351.4	82.2	322.7	740.3	208.1	400.3	708.4	289.2
Grp Volume(v), veh/h	693.7	0.0	0.0	606.8	0.0	0.0	344.9	0.0	0.0	175.5	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1652.5	0.0	0.0	1746.7	0.0	0.0	1281.3	0.0	0.0	1598.1	0.0	0.0
Q Serve(g_s), s	6.7	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	23.2	0.0	0.0	16.5	0.0	0.0	15.0	0.0	0.0	4.7	0.0	0.0
Proportion In Lane	0.059		0.039	0.075		0.047	0.252		0.162	0.250		0.181
Lane Grp Cap(c), veh/h	904.3	0.0	0.0	953.6	0.0	0.0	540.3	0.0	0.0	657.9	0.0	0.0
V/C Ratio(X)	0.767	0.000	0.000	0.636	0.000	0.000	0.638	0.000	0.000	0.267	0.000	0.000
Avail Cap(c_a), veh/h	904.3	0.0	0.0	953.6	0.0	0.0	540.3	0.0	0.0	657.9	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	13.5	0.0	0.0	12.3	0.0	0.0	18.0	0.0	0.0	15.3	0.0	0.0
Incr Delay (d2), s/veh	6.2	0.0	0.0	3.2	0.0	0.0	5.7	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	19.6	0.0	0.0	15.5	0.0	0.0	23.6	0.0	0.0	16.3	0.0	0.0
Lane Group LOS	B			B			C			B		
Approach Volume, veh/h		694			607			345			176	
Approach Delay, s/veh		19.6			15.5			23.6			16.3	
Approach LOS		B			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8			4	
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		36.00			36.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		25.17			18.49			17.01			6.68	
Green Extension Time (p_c)		6.59			9.11			2.35			3.48	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				18.7								
HCM 2010 Level of Service				B								













HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

School Peak Hour  
 12/9/2014

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	50	9	44	151	2	10	75	679	43	50	695	22
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.57		0.73	0.78		0.74	1.00		0.99	1.00		0.75
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1727	1824	1824	1610	1477	1477	1827	1821	1821	1610	1829	1829
Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Capacity, veh/h	185	39	187	280	42	206	81	1704	107	67	1744	55
Arriving On Green	0.02	0.19	0.19	0.08	0.25	0.25	0.05	0.50	0.50	0.04	0.50	0.50
Sat Flow, veh/h	1645.0	207.3	1003.7	1533.5	166.8	825.6	1739.9	3389.1	212.4	1533.5	3487.4	109.2
Grp Volume(v), veh/h	56.7	0.0	59.7	234.6	0.0	18.5	83.2	404.7	396.2	55.5	404.3	391.2
Grp Sat Flow(s),veh/h/ln	1645.0	0.0	1211.0	1533.5	0.0	992.4	1739.9	1820.6	1780.9	1533.5	1829.0	1767.6
Q Serve(g_s), s	0.0	0.0	3.6	7.0	0.0	1.2	4.0	12.2	12.2	3.1	12.2	12.2
Cycle Q Clear(g_c), s	0.0	0.0	3.6	7.0	0.0	1.2	4.0	12.2	12.2	3.1	12.2	12.2
Proportion In Lane	1.000		0.829	1.000		0.832	1.000		0.119	1.000		0.062
Lane Grp Cap(c), veh/h	184.6	0.0	225.0	280.5	0.0	247.9	80.9	915.5	895.5	67.2	914.8	884.0
V/C Ratio(X)	0.307	0.000	0.265	0.837	0.000	0.075	1.028	0.442	0.442	0.826	0.442	0.443
Avail Cap(c_a), veh/h	232.5	0.0	281.7	280.5	0.0	265.5	80.9	915.5	895.5	214.0	914.8	884.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	36.4	0.0	30.0	33.4	0.0	24.7	41.0	13.7	13.7	40.8	13.8	13.8
Incr Delay (d2), s/veh	0.9	0.0	0.6	19.3	0.0	0.1	108.0	1.5	1.6	21.5	1.5	1.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	37.3	0.0	30.6	52.8	0.0	24.8	149.0	15.2	15.3	62.3	15.3	15.4
Lane Group LOS	D		C	D		C	F	B	B	E	B	B
Approach Volume, veh/h		116			253			884			851	
Approach Delay, s/veh		33.9			50.7			27.8			18.4	
Approach LOS		C			D			C			B	
<b>Timer</b>												
Assigned Phase	7	4		3	8		5	2		1	6	
Phase Duration (G+Y+Rc), s	5.50	19.98		11.00	25.48		8.00	47.23		7.77	47.00	
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00	
Max Green Setting (Gmax), s	4.00	20.00		7.00	23.00		4.00	35.00		12.00	43.00	
Max Q Clear Time (g_c+I1), s	2.00	5.63		9.00	3.22		6.00	14.23		5.09	14.21	
Green Extension Time (p_c)	0.02	0.34		0.00	0.42		0.00	10.75		0.05	12.66	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				27.1								
HCM 2010 Level of Service				C								













HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street

PM Peak Existing  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	154	322	34	70	255	74	44	294	64	49	447	193
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		0.99	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1865	1865	1865	1875	1875	1875	1869	1869	1869	1877	1877	1877
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	253	453	43	162	551	145	94	400	80	122	820	336
Arriving On Green	0.50	0.50	0.50	0.50	0.50	0.50	0.36	0.36	0.36	0.36	0.36	0.36
Sat Flow, veh/h	421.9	682.7	86.6	275.7	828.6	288.6	152.6	1016.9	219.8	236.9	1990.8	920.3
Grp Volume(v), veh/h	530.1	0.0	0.0	437.2	0.0	0.0	431.3	0.0	0.0	396.7	0.0	341.6
Grp Sat Flow(s),veh/h/ln	1337.1	0.0	0.0	1568.5	0.0	0.0	1391.9	0.0	0.0	1784.6	0.0	1530.9
Q Serve(g_s), s	5.8	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0	0.0	10.9
Cycle Q Clear(g_c), s	15.2	0.0	0.0	9.5	0.0	0.0	17.0	0.0	0.0	10.2	0.0	10.9
Proportion In Lane	0.316		0.065	0.176		0.184	0.110		0.158	0.133		0.601
Lane Grp Cap(c), veh/h	749.6	0.0	0.0	857.3	0.0	0.0	574.6	0.0	0.0	719.2	0.0	558.5
V/C Ratio(X)	0.707	0.000	0.000	0.510	0.000	0.000	0.751	0.000	0.000	0.552	0.000	0.612
Avail Cap(c_a), veh/h	749.6	0.0	0.0	857.3	0.0	0.0	601.7	0.0	0.0	747.9	0.0	591.5
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.980	0.000	0.000	0.833	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	10.0	0.0	0.0	9.8	0.0	0.0	16.3	0.0	0.0	15.3	0.0	15.5
Incr Delay (d2), s/veh	5.6	0.0	0.0	2.1	0.0	0.0	4.2	0.0	0.0	0.8	0.0	1.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	15.6	0.0	0.0	11.9	0.0	0.0	20.6	0.0	0.0	16.1	0.0	17.2
Lane Group LOS	B			B			C			B		B
Approach Volume, veh/h		530			437			431			738	
Approach Delay, s/veh		15.6			11.9			20.6			16.6	
Approach LOS		B			B			C			B	
<b>Timer</b>												
Assigned Phase		2			6			8			4	
Phase Duration (G+Y+Rc), s		34.00			34.00			25.83			25.83	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		30.00			30.00			23.00			23.00	
Max Q Clear Time (g_c+I1), s		17.22			11.46			19.02			12.91	
Green Extension Time (p_c)		5.81			7.16			2.59			5.46	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				16.2								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 24: Warren Ave & Forrest Street













PM Peak Existing  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	41	240	133	18	175	18	109	253	35	30	379	39
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.95	0.98		0.97	0.99		0.98	0.99		0.97
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1868	1868	1868	1868	1868	1868	1936	1936	1936	1838	1838	1838
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	107	318	162	98	489	47	244	533	66	104	776	76
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	157.7	882.7	506.6	148.2	1292.8	146.7	396.4	743.9	126.0	113.3	1338.4	145.8
Grp Volume(v), veh/h	438.7	0.0	0.0	231.4	0.0	0.0	455.3	0.0	0.0	519.6	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1587.5	0.0	0.0	1735.4	0.0	0.0	1442.6	0.0	0.0	1690.3	0.0	0.0
Q Serve(g_s), s	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	10.3	0.0	0.0	4.9	0.0	0.0	7.5	0.0	0.0	9.7	0.0	0.0
Proportion In Lane	0.099		0.319	0.085		0.085	0.275		0.087	0.067		0.086
Lane Grp Cap(c), veh/h	587.2	0.0	0.0	633.5	0.0	0.0	841.9	0.0	0.0	955.8	0.0	0.0
V/C Ratio(X)	0.747	0.000	0.000	0.365	0.000	0.000	0.541	0.000	0.000	0.544	0.000	0.000
Avail Cap(c_a), veh/h	587.2	0.0	0.0	633.5	0.0	0.0	841.9	0.0	0.0	955.8	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.6	0.0	0.0	13.2	0.0	0.0	7.6	0.0	0.0	8.1	0.0	0.0
Incr Delay (d2), s/veh	8.4	0.0	0.0	1.6	0.0	0.0	2.5	0.0	0.0	2.2	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	16.1	0.0	0.0	14.9	0.0	0.0	10.1	0.0	0.0	10.3	0.0	0.0
Lane Group LOS	B			B			B			B		
Approach Volume, veh/h		439			231			455			520	
Approach Delay, s/veh		16.1			14.9			10.1			10.3	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		12.31			6.91			9.50			11.71	
Green Extension Time (p_c)		1.51			2.98			6.56			6.06	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				12.4								
HCM 2010 Level of Service				B								















HCM 2010 Signalized Intersection Summary  
5: Belmont Street & Shaws Plaza/West Street

PM Peak Existing  
12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	40	43	47	188	30	2	41	590	281	2	668	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1876	1876	1876	1868	1868	1868	1900	1817	1817	1865	1865	1865
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	126	81	67	0	246	16	66	1654	780	68	2006	101
Arriving On Green	0.14	0.14	0.14	0.00	0.14	0.14	0.04	0.71	0.71	0.60	0.60	0.60
Sat Flow, veh/h	405.5	386.3	471.8	0.0	1732.6	114.4	1809.5	2333.5	1100.4	10.0	3475.0	168.6
Grp Volume(v), veh/h	143.8	0.0	0.0	0.0	0.0	35.5	45.5	509.8	453.8	411.8	0.0	369.2
Grp Sat Flow(s),veh/h/ln	1313.3	0.0	0.0	0.0	0.0	1847.0	1809.5	1816.8	1617.1	1859.8	0.0	1666.5
Q Serve(g_s), s	3.4	0.0	0.0	0.0	0.0	0.9	1.3	6.1	6.1	0.0	0.0	6.1
Cycle Q Clear(g_c), s	5.4	0.0	0.0	0.0	0.0	0.9	1.3	6.1	6.1	6.1	0.0	6.1
Proportion In Lane	0.309		0.359	0.000		0.062	1.000		0.680	0.005		0.101
Lane Grp Cap(c), veh/h	274.2	0.0	0.0	0.0	0.0	262.1	66.5	1287.9	1146.3	1178.8	0.0	995.8
V/C Ratio(X)	0.524	0.000	0.000	0.000	0.000	0.135	0.685	0.396	0.396	0.349	0.000	0.371
Avail Cap(c_a), veh/h	564.3	0.0	0.0	0.0	0.0	999.2	168.8	1287.9	1146.3	1178.8	0.0	995.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	0.878	0.878	0.878	0.948	0.000	0.948
Uniform Delay (d), s/veh	21.0	0.0	0.0	0.0	0.0	20.1	25.5	3.2	3.2	5.6	0.0	5.6
Incr Delay (d2), s/veh	1.6	0.0	0.0	0.0	0.0	0.2	10.4	0.2	0.2	0.2	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	22.5	0.0	0.0	0.0	0.0	20.4	35.9	3.3	3.4	5.7	0.0	5.8
Lane Group LOS	C					C	D	A	A	A		A
Approach Volume, veh/h		144			35			1009			781	
Approach Delay, s/veh		22.5			20.4			4.8			5.8	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4		3	8		5	2				6
Phase Duration (G+Y+Rc), s		11.61		0.00	11.61		5.97	42.00				36.03
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		21.00		4.00	29.00		5.00	38.00				29.00
Max Q Clear Time (g_c+I1), s		7.36		0.00	2.90		3.33	8.09				8.14
Green Extension Time (p_c)		0.81		0.00	1.09		0.01	14.72				12.05
<b>Intersection Summary</b>												
HCM 2010 Control Delay				6.8								
HCM 2010 Level of Service				A								

HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forrest Street

PM Peak Existing  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	17	509	134	9	439	25	69	57	8	23	81	25
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.99	0.99		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	80	444	113	77	558	31	362	274	33	173	557	153
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	45.4	1315.3	354.6	35.2	1629.1	96.9	554.8	433.9	63.7	274.2	888.6	295.1
Grp Volume(v), veh/h	685.8	0.0	0.0	492.2	0.0	0.0	139.4	0.0	0.0	134.1	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1760.4	0.0	0.0	1851.1	0.0	0.0	1076.8	0.0	0.0	1535.1	0.0	0.0
Q Serve(g_s), s	5.7	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	10.3	0.0	0.0	2.0	0.0	0.0	1.9	0.0	0.0
Proportion In Lane	0.026		0.201	0.019		0.052	0.515		0.059	0.179		0.192
Lane Grp Cap(c), veh/h	637.2	0.0	0.0	665.7	0.0	0.0	669.0	0.0	0.0	883.1	0.0	0.0
V/C Ratio(X)	1.076	0.000	0.000	0.739	0.000	0.000	0.208	0.000	0.000	0.152	0.000	0.000
Avail Cap(c_a), veh/h	637.2	0.0	0.0	665.7	0.0	0.0	669.0	0.0	0.0	883.1	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.6	0.0	0.0	8.0	0.0	0.0	6.2	0.0	0.0	6.2	0.0	0.0
Incr Delay (d2), s/veh	58.0	0.0	0.0	7.2	0.0	0.0	0.7	0.0	0.0	0.4	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	75.5	0.0	0.0	15.2	0.0	0.0	6.9	0.0	0.0	6.6	0.0	0.0
Lane Group LOS	F			B			A			A		
Approach Volume, veh/h		686			492			139			134	
Approach Delay, s/veh		75.5			15.2			6.9			6.6	
Approach LOS		E			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			12.29			4.00			3.93	
Green Extension Time (p_c)		0.00			2.47			1.60			1.60	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				42.1								
HCM 2010 Level of Service				D								

**Intersection**

Intersection Delay (sec/veh): 110.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Volume (vph)	0	642	374	219	302	0
Conflicting Peds.(#/hr)	4	0	0	4	4	4
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length	0			0	0	0
Median Width		0	0		12	
Grade (%)		0%	0%		0%	
Peak Hour Factor	0.93	0.93	0.90	0.90	0.91	0.91
Heavy Vehicles(%)	0	1	1	1	2	0
Movement Flow Rate	0	697	420	246	335	0
Number of Lanes	0	1	1	0	1	0

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	-	0	0	0	1244	-
Stage 1	-	-	-	-	547	-
Stage 2	-	-	-	-	697	-
Follow-up Headway	0	-	-	-	3.518	0
Pot Capacity-1 Maneuver	0	-	-	-	# 161	0
Stage 1	0	-	-	-	609	0
Stage 2	0	-	-	-	494	0
Time blocked-Platoon(%)	0	-	-	-	26	0
Mov Capacity-1 Maneuver	-	-	-	-	# 160	-
Mov Capacity-2 Maneuver	-	-	-	-	# 160	-
Stage 1	-	-	-	-	607	-
Stage 2	-	-	-	-	492	-

Approach	EB	WB	SB
HCM Control Delay (s)	0	0	\$ 560
HCM LOS	A	A	F

Lane	EBT	WBT	WBR	SBLn1
Capacity (vph)				160
HCM Control Delay (s)	-	-	-	\$ -1
HCM Lane VC Ratio	-	-	-	2.095
HCM Lane LOS	-	-	-	F
HCM 95th Percentile Queue (veh)	-	-	-	26.62

**Intersection**

Intersection Delay (sec/veh): 2.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	675	35	81	536	23	49
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	741	38	89	588	25	54
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	779	0	1526	760
Stage 1	-	-	-	-	760	-
Stage 2	-	-	-	-	766	-
Follow-up Headway	-	-	2.218	-	3.518	3.318
Pot Capacity-1 Maneuver	-	-	838	-	73	406
Stage 1	-	-	-	-	462	-
Stage 2	-	-	-	-	467	-
Time blocked-Platoon(%)	-	-	0	-	42	0
Mov Capacity-1 Maneuver	-	-	838	-	61	406
Mov Capacity-2 Maneuver	-	-	-	-	61	-
Stage 1	-	-	-	-	462	-
Stage 2	-	-	-	-	394	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	1.3	42.5
HCM LOS	A	A	E

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	61	406				
HCM Control Delay (s)	100.6	15.2	-	-	9.805	-
HCM Lane VC Ratio	0.414	0.132	-	-	0.106	-
HCM Lane LOS	F	C	-	-	A	-
HCM 95th Percentile Queue (veh)	1.568	0.454	-	-	0.355	-

**Intersection**

Intersection Delay (sec/veh): 148.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	152	2	168	3	1	0	155	470	1	0	348	93
Conflicting Peds.(#/hr)	42	0	44	26	0	24	44	0	26	24	0	42
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.92	0.92	0.92	0.48	0.48	0.48	0.92	0.92	0.92	0.86	0.86	0.86
Heavy Vehicles(%)	3	0	1	0	0	0	1	1	0	0	3	1
Movement Flow Rate	167	2	184	6	2	0	170	516	1	0	409	109
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0



















Major/Minor	Minor 2			Minor 1			Major 1			Major 2		
Conflicting Flow Rate - All	1392	1391	552	1484	1445	585	562	0	0	543	0	0
Stage 1	508	508	-	883	883	-	-	-	-	-	-	-
Stage 2	884	883	-	601	562	-	-	-	-	-	-	-
Follow-up Headway	3.527	4	3.309	3.5	4	3.3	2.209	-	-	2.2	-	-
Pot Capacity-1 Maneuver	# 119	144	535	104	133	515	1014	-	-	1036	-	-
Stage 1	546	542	-	343	367	-	-	-	-	-	-	-
Stage 2	339	367	-	491	513	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	# 88	103	496	49	95	488	977	-	-	1000	-	-
Mov Capacity-2 Maneuver	# 88	103	-	49	95	-	-	-	-	-	-	-
Stage 1	398	522	-	255	272	-	-	-	-	-	-	-
Stage 2	245	272	-	296	494	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	\$ 650.2	80.3	2.3	0
HCM LOS	F	F	A	A

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				154	56			
HCM Control Delay (s)	9.46	0	-	\$ 80.3	80.3	0	-	-
HCM Lane VC Ratio	0.174	-	-	2.295	0.15	-	-	-
HCM Lane LOS	A	A	-	F	F	A	-	-
HCM 95th Percentile Queue (veh)	0.629	-	-	29.44	0.49	0	-	-











HCM 2010 Signalized Intersection Summary  
3: Belmont Street & West Street

PM Peak Existing  
12/9/2014

												
Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	4	216	39	4	233	232	129	522	6	46	409	4
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1884	1884	1884	1811	1811	1881	1849	1849	1849	1830	1830	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	77	386	68	77	447	397	148	869	10	148	872	846
Arriving On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.52	0.52	0.52	0.52	0.52	0.00
Sat Flow, veh/h	28.1	1493.4	271.6	30.3	1764.6	1585.6	0.0	2408.0	18.9	0.0	1665.7	1615.0
Grp Volume(v), veh/h	266.5	0.0	0.0	244.3	0.0	236.7	132.9	0.0	544.1	47.4	421.5	0.0
Grp Sat Flow(s),veh/h/ln	1819.2	0.0	0.0	1794.9	0.0	1585.6	0.0	0.0	1678.8	0.0	1665.7	1615.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	6.4	0.0	0.0	11.1	0.0	5.7	0.0
Cycle Q Clear(g_c), s	6.2	0.0	0.0	5.7	0.0	6.4	25.5	0.0	11.1	25.5	5.7	0.0
Proportion In Lane	0.015		0.149	0.017		1.000	1.000		0.011	1.000		1.000
Lane Grp Cap(c), veh/h	530.7	0.0	0.0	524.7	0.0	397.1	147.9	0.0	879.1	147.9	0.0	845.7
V/C Ratio(X)	0.502	0.000	0.000	0.466	0.000	0.596	0.899	0.000	0.619	0.321	0.000	0.000
Avail Cap(c_a), veh/h	853.5	0.0	0.0	842.3	0.0	683.8	147.9	0.0	879.1	147.9	0.0	845.7
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	0.000
Uniform Delay (d), s/veh	16.0	0.0	0.0	15.8	0.0	16.1	24.3	0.0	8.2	24.3	0.0	0.0
Incr Delay (d2), s/veh	0.7	0.0	0.0	0.6	0.0	1.4	51.1	0.0	3.3	5.6	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	16.7	0.0	0.0	16.5	0.0	17.5	75.4	0.0	11.4	30.0	0.0	0.0
Lane Group LOS	B			B		B	E		B	C		
Approach Volume, veh/h		267			481			677			469	
Approach Delay, s/veh		16.7			17.0			24.0			3.0	
Approach LOS		B			B			C			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		17.69			17.69			31.00			31.00	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		21.00			21.00			25.50			25.50	
Max Q Clear Time (g_c+I1), s		8.21			8.41			27.50			27.50	
Green Extension Time (p_c)		3.28			3.25			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				16.0								
HCM 2010 Level of Service				B								

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

PM Peak Existing  
 12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	311	2	0	535	450	314
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00					0.97
Frt	0.999					0.850
Flt Protected	0.953					
Satd. Flow (prot)	1773	0	0	1863	1863	1583
Flt Permitted	0.953					
Satd. Flow (perm)	1766	0	0	1863	1863	1539
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)	17					
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Confl. Peds. (#/hr)	3	3				4
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Growth Factor	101%	101%	101%	101%	101%	101%
Adj. Flow (vph)	324	2	0	557	469	327
Shared Lane Traffic (%)						
Lane Group Flow (vph)	326	0	0	557	469	327
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

PM Peak Existing  
 12/9/2014



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Protected Phases	4			2	2	4
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			Max	Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effct Green (s)	14.4			41.1	41.1	55.5
Actuated g/C Ratio	0.23			0.65	0.65	0.87
v/c Ratio	0.79			0.46	0.39	0.24
Control Delay	36.9			7.5	6.8	0.7
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	36.9			7.5	6.8	0.7
LOS	D			A	A	A
Approach Delay	36.9			7.5	4.3	
Approach LOS	D			A	A	

Intersection Summary

Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 63.5  
 Natural Cycle: 40  
 Control Type: Semi Act-Uncoord  
 Maximum v/c Ratio: 0.79  
 Intersection Signal Delay: 11.7  
 Intersection Capacity Utilization 52.6%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A













Splits and Phases: 10: Belmont Street & Torrey Street

















HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Street

PM Peak Existing  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	40	179	63	31	138	16	25	625	22	39	600	45
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	0.99		0.99	1.00		1.00	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1871	1871	1871	1858	1858	1858	1857	1857	1857	1867	1867	1867
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	120	439	143	83	242	25	0	2474	86	137	1978	144
Arriving On Green	0.20	0.20	0.20	0.20	0.20	0.20	0.00	0.69	0.69	0.69	0.69	0.69
Sat Flow, veh/h	452.6	1867.9	714.9	246.9	1040.4	126.2	0.0	3567.7	124.3	180.7	2830.1	208.1
Grp Volume(v), veh/h	159.0	0.0	149.9	202.9	0.0	0.0	0.0	357.0	353.0	359.9	0.0	390.5
Grp Sat Flow(s),veh/h/ln	1638.8	0.0	1564.9	1472.1	0.0	0.0	0.0	1857.3	1834.7	1519.2	0.0	1661.2
Q Serve(g_s), s	0.0	0.0	6.4	2.9	0.0	0.0	0.0	5.5	5.5	0.0	0.0	7.1
Cycle Q Clear(g_c), s	5.6	0.0	6.4	9.2	0.0	0.0	0.0	5.5	5.5	14.3	0.0	7.1
Proportion In Lane	0.276		0.457	0.168		0.086	0.000		0.068	0.119		0.125
Lane Grp Cap(c), veh/h	389.1	0.0	313.0	350.5	0.0	0.0	0.0	1287.7	1272.0	1107.0	0.0	1151.7
V/C Ratio(X)	0.409	0.000	0.479	0.579	0.000	0.000	0.000	0.277	0.278	0.325	0.000	0.339
Avail Cap(c_a), veh/h	643.1	0.0	656.9	628.3	0.0	0.0	0.0	1287.7	1272.0	1107.0	0.0	1151.7
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	26.2	0.0	26.5	26.9	0.0	0.0	0.0	4.4	4.4	4.4	0.0	4.6
Incr Delay (d2), s/veh	0.7	0.0	1.1	1.5	0.0	0.0	0.0	0.5	0.5	0.2	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	26.9	0.0	27.7	28.4	0.0	0.0	0.0	4.9	4.9	4.5	0.0	4.8
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		309			203			710			750	
Approach Delay, s/veh		27.3			28.4			4.9			4.7	
Approach LOS		C			C			A			A	
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		19.00			19.00		0.00	56.00				56.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00				30.00
Max Q Clear Time (g_c+I1), s		8.36			11.22		0.00	7.48				16.26
Green Extension Time (p_c)		3.19			3.05		0.00	13.24				7.76
<b>Intersection Summary</b>												
HCM 2010 Control Delay				10.7								
HCM 2010 Level of Service				B								
























HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forrest Street

PM Peak Existing  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	35	622	21	41	507	37	51	124	46	46	126	31
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.98	0.99		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	79	843	27	91	802	56	147	334	109	146	370	81
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	89.9	1499.4	53.4	121.8	1332.1	108.9	327.4	729.1	292.3	325.9	811.4	217.5
Grp Volume(v), veh/h	728.3	0.0	0.0	628.2	0.0	0.0	237.0	0.0	0.0	217.8	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1740.3	0.0	0.0	1737.2	0.0	0.0	1415.6	0.0	0.0	1436.2	0.0	0.0
Q Serve(g_s), s	5.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	23.1	0.0	0.0	17.5	0.0	0.0	6.8	0.0	0.0	6.0	0.0	0.0
Proportion In Lane	0.052		0.031	0.070		0.063	0.231		0.207	0.227		0.151
Lane Grp Cap(c), veh/h	949.1	0.0	0.0	948.5	0.0	0.0	589.1	0.0	0.0	596.5	0.0	0.0
V/C Ratio(X)	0.767	0.000	0.000	0.662	0.000	0.000	0.402	0.000	0.000	0.365	0.000	0.000
Avail Cap(c_a), veh/h	949.1	0.0	0.0	948.5	0.0	0.0	589.1	0.0	0.0	596.5	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	13.6	0.0	0.0	12.5	0.0	0.0	15.9	0.0	0.0	15.7	0.0	0.0
Incr Delay (d2), s/veh	5.9	0.0	0.0	3.6	0.0	0.0	2.0	0.0	0.0	1.7	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	19.5	0.0	0.0	16.2	0.0	0.0	18.0	0.0	0.0	17.4	0.0	0.0
Lane Group LOS	B			B			B			B		
Approach Volume, veh/h		728			628			237			218	
Approach Delay, s/veh		19.5			16.2			18.0			17.4	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00				30.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		36.00			36.00			26.00				26.00
Max Q Clear Time (g_c+I1), s		25.10			19.54			8.84				8.01
Green Extension Time (p_c)		6.85			9.14			2.67				2.72
<b>Intersection Summary</b>												
HCM 2010 Control Delay				17.9								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

PM Peak Existing  
 12/9/2014

													
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations								 			 		
Volume (vph)	60	15	40	67	7	63	36	826	27	69	809	47	
Number	7	4	14	3	8	18	5	2	12	1	6	16	
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0	
Ped-Bike Adj(A_pbT)	0.69		0.86	0.86		0.80	1.00		0.99	1.00		0.77	
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Adj Sat Flow Rate	1900	1787	1787	1863	1896	1896	1900	1864	1864	1881	1863	1863	
Lanes	1	1	0	1	1	0	1	2	0	1	2	0	
Capacity, veh/h	254	81	215	277	29	263	57	1647	53	104	1661	96	
Arriving On Green	0.04	0.21	0.21	0.05	0.22	0.22	0.03	0.46	0.46	0.06	0.49	0.49	
Sat Flow, veh/h	1809.5	388.8	1026.5	1774.0	134.5	1198.2	1809.5	3589.7	116.2	1791.6	3424.1	197.0	
Grp Volume(v), veh/h	69.7	0.0	63.4	77.8	0.0	80.5	41.8	497.9	492.1	80.1	510.9	482.3	
Grp Sat Flow(s),veh/h/ln	1809.5	0.0	1415.3	1774.0	0.0	1332.7	1809.5	1863.9	1842.0	1791.6	1862.7	1758.3	
Q Serve(g_s), s	0.0	0.0	2.7	2.7	0.0	3.6	1.6	14.2	14.2	3.2	14.0	14.0	
Cycle Q Clear(g_c), s	0.0	0.0	2.7	2.7	0.0	3.6	1.6	14.2	14.2	3.2	14.0	14.0	
Proportion In Lane	1.000		0.725	1.000		0.899	1.000		0.063	1.000		0.112	
Lane Grp Cap(c), veh/h	253.9	0.0	296.6	277.0	0.0	292.0	57.0	855.1	845.0	103.8	903.8	853.1	
V/C Ratio(X)	0.274	0.000	0.214	0.281	0.000	0.276	0.734	0.582	0.582	0.772	0.565	0.565	
Avail Cap(c_a), veh/h	304.1	0.0	314.8	333.8	0.0	314.9	150.9	855.1	845.0	224.2	932.2	880.0	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	0.894	0.894	0.894	
Uniform Delay (d), s/veh	29.7	0.0	23.5	24.8	0.0	23.3	34.5	14.4	14.4	33.4	13.1	13.1	
Incr Delay (d2), s/veh	0.6	0.0	0.4	0.5	0.0	0.5	16.5	1.0	1.0	10.3	0.7	0.7	
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lane Group Delay (d), s/veh	30.3	0.0	23.9	25.3	0.0	23.8	51.1	15.4	15.4	43.7	13.8	13.8	
Lane Group LOS	C		C	C		C	D	B	B	D	B	B	
Approach Volume, veh/h		133			158			1032			1073		
Approach Delay, s/veh		27.2			24.6			16.8			16.1		
Approach LOS		C			C			B			B		
<b>Timer</b>													
Assigned Phase	7	4		3	8		5	2		1	6		
Phase Duration (G+Y+Rc), s	7.01	19.07		7.69	19.76		6.26	37.00		8.17	38.90		
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00		
Max Green Setting (Gmax), s	5.00	16.00		6.00	17.00		6.00	33.00		9.00	36.00		
Max Q Clear Time (g_c+I1), s	2.00	4.67		4.67	5.61		3.65	16.19		5.17	16.00		
Green Extension Time (p_c)	0.03	0.61		0.02	0.61		0.01	11.65		0.05	13.20		
<b>Intersection Summary</b>													
HCM 2010 Control Delay				17.6									
HCM 2010 Level of Service				B									

**Intersection**

Intersection Delay (sec/veh): 137

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	33	368	173	94	364	12	97	48	99	15	55	45
Conflicting Peds.(#/hr)	0	0	2	5	0	3	2	0	5	3	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.90	0.90	0.90	0.90	0.90	0.90	0.85	0.85	0.85
Heavy Vehicles(%)	0	1	1	0	1	0	0	2	3	0	0	2
Movement Flow Rate	34	383	180	105	408	13	109	54	111	18	65	53
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0













Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	424	0	0	568	0	0	1233	1180	483	1257	1264	420
Stage 1	-	-	-	-	-	-	546	546	-	628	628	-
Stage 2	-	-	-	-	-	-	687	634	-	629	636	-
Follow-up Headway	2.2	-	-	2.2	-	-	3.5	4.018	3.327	3.5	4	3.318
Pot Capacity-1 Maneuver	1162	-	-	1014	-	-	134	165	582	127	143	754
Stage 1	-	-	-	-	-	-	526	518	-	511	484	-
Stage 2	-	-	-	-	-	-	463	477	-	474	475	-
Time blocked-Platoon(%)	25	-	-	0	-	-	25	25	0	25	25	25
Mov Capacity-1 Maneuver	1160	-	-	1010	-	-	# 61	135	577	62	117	751
Mov Capacity-2 Maneuver	-	-	-	-	-	-	# 61	135	-	62	117	-
Stage 1	-	-	-	-	-	-	501	493	-	488	417	-
Stage 2	-	-	-	-	-	-	313	411	-	325	452	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.5	1.8	\$ 707.7	112.1
HCM LOS	A	A	F	F

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	115							149
HCM Control Delay (s)	\$ 707.7	8.198	0	-	8.98	0	-	112.1
HCM Lane VC Ratio	2.381	0.03	-	-	0.104	-	-	0.917
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th Percentile Queue (veh)	24.111	0.092	-	-	0.349	-	-	6.428













HCM 2010 Signalized Intersection Summary  
 11: West Street & Torrey Street

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕↕	
Volume (vph)	115	303	11	49	171	65	10	279	49	60	268	139
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		1.00	1.00		0.99	1.00		0.99	0.99		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1797	1797	1797	1823	1823	1823	1795	1795	1795	1814	1814	1814
Lanes	0	1	0	0	1	0	0	1	0	0	2	0
Capacity, veh/h	208	503	17	154	495	169	67	545	93	174	682	331
Arriving On Green	0.49	0.49	0.49	0.49	0.49	0.49	0.38	0.38	0.38	0.38	0.38	0.38
Sat Flow, veh/h	355.4	829.1	33.7	262.4	767.4	344.6	50.6	1351.0	245.3	378.1	1558.5	877.0
Grp Volume(v), veh/h	481.3	0.0	0.0	341.9	0.0	0.0	366.5	0.0	0.0	285.9	0.0	287.6
Grp Sat Flow(s),veh/h/ln	1325.4	0.0	0.0	1522.7	0.0	0.0	1706.7	0.0	0.0	1462.9	0.0	1488.0
Q Serve(g_s), s	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1
Cycle Q Clear(g_c), s	14.9	0.0	0.0	7.5	0.0	0.0	10.1	0.0	0.0	7.1	0.0	9.1
Proportion In Lane	0.268		0.025	0.172		0.226	0.030		0.144	0.258		0.589
Lane Grp Cap(c), veh/h	726.7	0.0	0.0	818.1	0.0	0.0	704.3	0.0	0.0	625.8	0.0	561.1
V/C Ratio(X)	0.662	0.000	0.000	0.418	0.000	0.000	0.520	0.000	0.000	0.457	0.000	0.513
Avail Cap(c_a), veh/h	726.7	0.0	0.0	818.1	0.0	0.0	704.3	0.0	0.0	625.8	0.0	561.1
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.981	0.000	0.000	0.934	0.000	0.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	10.8	0.0	0.0	9.8	0.0	0.0	15.0	0.0	0.0	14.1	0.0	14.7
Incr Delay (d2), s/veh	4.7	0.0	0.0	1.5	0.0	0.0	0.6	0.0	0.0	0.5	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	15.6	0.0	0.0	11.3	0.0	0.0	15.6	0.0	0.0	14.6	0.0	15.5
Lane Group LOS	B			B			B			B		B
Approach Volume, veh/h		481			342			367			574	
Approach Delay, s/veh		15.6			11.3			15.6			15.0	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		34.00			34.00			27.00				27.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		30.00			30.00			23.00				23.00
Max Q Clear Time (g_c+I1), s		16.88			9.54			12.09				11.10
Green Extension Time (p_c)		4.82			5.98			4.60				4.85
<b>Intersection Summary</b>												
HCM 2010 Control Delay				14.6								
HCM 2010 Level of Service				B								













HCM 2010 Signalized Intersection Summary  
 24: Warren Ave & Forrest Avenue

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	37	218	56	22	162	17	64	242	35	27	208	15
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.97		0.95	0.97		0.95	0.98		0.98	0.99		0.96
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1792	1792	1792	1785	1785	1785	1900	1900	1900	1819	1819	1819
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	112	376	89	104	446	43	178	621	81	122	754	50
Arriving On Green	0.64	0.64	0.64	0.32	0.32	0.32	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	184.7	1016.9	276.7	175.4	1172.3	134.2	287.2	989.8	155.5	175.8	1225.5	96.7
Grp Volume(v), veh/h	333.6	0.0	0.0	218.1	0.0	0.0	400.1	0.0	0.0	277.3	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1549.4	0.0	0.0	1601.1	0.0	0.0	1528.6	0.0	0.0	1627.0	0.0	0.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	5.7	0.0	0.0	4.8	0.0	0.0	6.6	0.0	0.0	4.4	0.0	0.0
Proportion In Lane	0.119		0.179	0.110		0.084	0.188		0.102	0.108		0.059
Lane Grp Cap(c), veh/h	576.4	0.0	0.0	592.2	0.0	0.0	880.4	0.0	0.0	925.8	0.0	0.0
V/C Ratio(X)	0.579	0.000	0.000	0.368	0.000	0.000	0.454	0.000	0.000	0.300	0.000	0.000
Avail Cap(c_a), veh/h	576.4	0.0	0.0	592.2	0.0	0.0	880.4	0.0	0.0	925.8	0.0	0.0
HCM Platoon Ratio	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	7.1	0.0	0.0	13.2	0.0	0.0	7.3	0.0	0.0	6.8	0.0	0.0
Incr Delay (d2), s/veh	4.2	0.0	0.0	1.8	0.0	0.0	1.7	0.0	0.0	0.8	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	11.3	0.0	0.0	15.0	0.0	0.0	9.0	0.0	0.0	7.6	0.0	0.0
Lane Group LOS	B			B			A			A		
Approach Volume, veh/h		334			218			400			277	
Approach Delay, s/veh		11.3			15.0			9.0			7.6	
Approach LOS		B			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		7.71			6.84			8.57			6.39	
Green Extension Time (p_c)		2.24			2.39			4.26			4.46	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				10.4								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 5: Belmont Street & Shaws Plaza/West Street

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕		↕	↕			↕	
Volume (vph)	14	10	6	169	14	1	15	649	174	1	396	11
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.98		0.97	1.00		0.98	1.00		1.00	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1840	1840	1840	1856	1856	1856	1727	1789	1789	1807	1807	1807
Lanes	0	1	0	0	1	0	1	2	0	0	2	0
Capacity, veh/h	120	33	15	0	118	8	17	2154	572	64	2372	65
Arriving On Green	0.07	0.07	0.07	0.00	0.07	0.07	0.01	0.79	0.79	0.71	0.71	0.71
Sat Flow, veh/h	515.4	336.3	218.7	0.0	1710.6	121.0	1645.0	2724.5	723.0	8.4	3463.9	91.5
Grp Volume(v), veh/h	44.5	0.0	0.0	0.0	0.0	16.1	16.5	467.8	433.9	251.6	0.0	227.5
Grp Sat Flow(s),veh/h/ln	1102.2	0.0	0.0	0.0	0.0	1831.6	1645.0	1788.9	1658.6	1804.6	0.0	1628.0
Q Serve(g_s), s	1.5	0.0	0.0	0.0	0.0	0.5	0.6	4.2	4.2	0.0	0.0	2.7
Cycle Q Clear(g_c), s	2.0	0.0	0.0	0.0	0.0	0.5	0.6	4.2	4.2	2.7	0.0	2.7
Proportion In Lane	0.468		0.198	0.000		0.066	1.000		0.436	0.005		0.056
Lane Grp Cap(c), veh/h	168.6	0.0	0.0	0.0	0.0	125.9	17.1	1414.4	1311.4	1344.8	0.0	1155.9
V/C Ratio(X)	0.264	0.000	0.000	0.000	0.000	0.128	0.965	0.331	0.331	0.187	0.000	0.197
Avail Cap(c_a), veh/h	396.9	0.0	0.0	0.0	0.0	868.9	289.0	1414.4	1311.4	1344.8	0.0	1155.9
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	0.000	0.000	1.000	1.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	25.1	0.0	0.0	0.0	0.0	24.9	28.2	1.7	1.7	2.8	0.0	2.8
Incr Delay (d2), s/veh	0.8	0.0	0.0	0.0	0.0	0.5	91.9	0.6	0.7	0.3	0.0	0.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	25.9	0.0	0.0	0.0	0.0	25.3	120.0	2.3	2.4	3.1	0.0	3.2
Lane Group LOS	C					C	F	A	A	A		A
Approach Volume, veh/h		44			16			918				479
Approach Delay, s/veh		25.9			25.3			4.5				3.1
Approach LOS		C			C			A				A
<b>Timer</b>												
Assigned Phase		4		3	8		5	2				6
Phase Duration (G+Y+Rc), s		7.91		0.00	7.91		4.59	49.00				44.41
Change Period (Y+Rc), s		4.00		4.00	4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		17.00		6.00	27.00		10.00	45.00				31.00
Max Q Clear Time (g_c+I1), s		4.03		0.00	2.47		2.57	6.22				4.68
Green Extension Time (p_c)		0.18		0.00	0.27		0.01	11.79				10.38
<b>Intersection Summary</b>												
HCM 2010 Control Delay				4.9								
HCM 2010 Level of Service				A								

**Intersection**

Intersection Delay (sec/veh): 27.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	241	98	165	348	95	201
Conflicting Peds.(#/hr)	0	2	4	0	2	4
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	0
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.74	0.74	0.93	0.93	0.53	0.53
Heavy Vehicles(%)	6	3	0	2	6	8
Movement Flow Rate	329	134	179	378	181	383
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1	Major 2	Major 1	Major 2	Major 1	Major 2
Conflicting Flow Rate - All	0	0	467	0	1136	404
Stage 1	-	-	-	-	400	-
Stage 2	-	-	-	-	736	-
Follow-up Headway	-	-	2.2	-	3.554	3.372
Pot Capacity-1 Maneuver	-	-	1105	-	194	634
Stage 1	-	-	-	-	668	-
Stage 2	-	-	-	-	461	-
Time blocked-Platoon(%)	-	-	0	-	26	0
Mov Capacity-1 Maneuver	-	-	1101	-	# 153	630
Mov Capacity-2 Maneuver	-	-	-	-	# 153	-
Stage 1	-	-	-	-	666	-
Stage 2	-	-	-	-	365	-













Approach	EB	WB	NB
HCM Control Delay (s)	0	2.9	73.7
HCM LOS	A	A	F

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	153	630				
HCM Control Delay (s)	189	19.2	-	-	8.904	-
HCM Lane VC Ratio	1.183	0.608	-	-	0.163	-
HCM Lane LOS	F	C	-	-	A	-
HCM 95th Percentile Queue (veh)	10.176	4.107	-	-	0.58	-



HCM 2010 Signalized Intersection Summary  
 18: Bouve Ave/Manomet Street & Forest Avenue/Forrest Avenue

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	14	363	88	11	280	24	62	55	7	14	54	18
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	0.99		1.00	1.00		0.99
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1773	1773	1773	1844	1844	1844	1865	1865	1865	1798	1798	1798
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	81	427	100	82	533	44	357	291	32	159	543	162
Arriving On Green	0.32	0.32	0.32	0.64	0.64	0.64	0.52	0.52	0.52	0.52	0.52	0.52
Sat Flow, veh/h	50.3	1265.7	312.8	63.9	1491.0	138.1	550.6	464.7	61.6	244.9	868.6	311.8
Grp Volume(v), veh/h	578.7	0.0	0.0	392.5	0.0	0.0	160.5	0.0	0.0	107.0	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1666.3	0.0	0.0	1828.8	0.0	0.0	1100.6	0.0	0.0	1501.4	0.0	0.0
Q Serve(g_s), s	6.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	16.0	0.0	0.0	6.8	0.0	0.0	2.5	0.0	0.0	1.6	0.0	0.0
Proportion In Lane	0.030		0.188	0.035		0.075	0.500		0.056	0.163		0.208
Lane Grp Cap(c), veh/h	607.4	0.0	0.0	659.7	0.0	0.0	680.3	0.0	0.0	864.5	0.0	0.0
V/C Ratio(X)	0.953	0.000	0.000	0.595	0.000	0.000	0.236	0.000	0.000	0.124	0.000	0.000
Avail Cap(c_a), veh/h	607.4	0.0	0.0	659.7	0.0	0.0	680.3	0.0	0.0	864.5	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	17.3	0.0	0.0	7.3	0.0	0.0	6.3	0.0	0.0	6.1	0.0	0.0
Incr Delay (d2), s/veh	26.6	0.0	0.0	3.9	0.0	0.0	0.8	0.0	0.0	0.3	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	43.9	0.0	0.0	11.3	0.0	0.0	7.1	0.0	0.0	6.4	0.0	0.0
Lane Group LOS	D			B			A			A		
Approach Volume, veh/h		579			392			160			107	
Approach Delay, s/veh		43.9			11.3			7.1			6.4	
Approach LOS		D			B			A			A	
<b>Timer</b>												
Assigned Phase		4			8			2			6	
Phase Duration (G+Y+Rc), s		20.00			20.00			30.00			30.00	
Change Period (Y+Rc), s		4.00			4.00			4.00			4.00	
Max Green Setting (Gmax), s		16.00			16.00			26.00			26.00	
Max Q Clear Time (g_c+I1), s		18.00			8.83			4.55			3.58	
Green Extension Time (p_c)		0.00			3.62			1.55			1.57	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				25.5								
HCM 2010 Level of Service				C								

**Intersection**

Intersection Delay (sec/veh): 42.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	128	1	101	1	1	1	128	487	1	10	197	63
Conflicting Peds.(#/hr)	14	0	11	3	0	6	11	0	0	6	0	14
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.83	0.83	0.83	0.92	0.92	0.92	0.90	0.90	0.90	0.86	0.86	0.86
Heavy Vehicles(%)	7	0	5	0	0	0	0	2	0	5	14	3
Movement Flow Rate	156	1	123	1	1	1	144	547	1	12	231	74
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Minor 2			Minor 1			Major 1			Major 2		
Conflicting Flow Rate - All	1149	1148	293	1210	1185	568	319	0	0	554	0	0
Stage 1	306	306	-	842	842	-	-	-	-	-	-	-
Stage 2	843	842	-	368	343	-	-	-	-	-	-	-
Follow-up Headway	3.563	4	3.345	3.5	4	3.3	2.2	-	-	2.245	-	-
Pot Capacity-1 Maneuver	172	200	739	161	191	526	1252	-	-	1001	-	-
Stage 1	693	665	-	362	383	-	-	-	-	-	-	-
Stage 2	351	383	-	656	641	-	-	-	-	-	-	-
Time blocked-Platoon(%)	0	0	0	0	0	0	0	-	-	0	-	-
Mov Capacity-1 Maneuver	# 144	162	724	113	154	518	1241	-	-	989	-	-
Mov Capacity-2 Maneuver	# 144	162	-	113	154	-	-	-	-	-	-	-
Stage 1	571	647	-	300	318	-	-	-	-	-	-	-
Stage 2	287	318	-	531	624	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	192.3	26.1	1.7	0.3
HCM LOS	F	D	A	A

Lane	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (vph)				222	174			
HCM Control Delay (s)	8.28	0	-	192.3	26.1	8.684	0	-
HCM Lane VC Ratio	0.116	-	-	1.261	0.019	0.012	-	-
HCM Lane LOS	A	A	-	F	D	A	A	-
HCM 95th Percentile Queue (veh)	0.392	-	-	14.482	0.058	0.036	-	-











HCM 2010 Signalized Intersection Summary  
 3: Belmont Street & West Street

2014 AM Peak Hour  
 12/9/2014

Movement	NBL	NBT	NBR	SBL	SBT	SBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↑	↗		↔			↕	↗
Volume (vph)	1	188	63	0	142	140	106	532	2	51	342	1
Number	5	2	12	1	6	16	7	4	14	3	8	18
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.98	1.00		1.00	1.00		0.98	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1872	1872	1872	0	1827	1827	1793	1793	1793	1797	1797	1900
Lanes	0	1	0	0	1	1	0	2	0	0	2	1
Capacity, veh/h	63	640	212	0	874	740	125	537	2	125	540	534
Arriving On Green	0.48	0.48	0.48	0.00	0.48	0.48	0.33	0.33	0.33	0.33	0.33	0.00
Sat Flow, veh/h	7.1	1332.9	442.3		1826.9	1547.0	0.0	2430.7	6.0	0.0	1635.1	1615.0
Grp Volume(v), veh/h	329.7	0.0	0.0		183.9	179.5	121.7	0.0	612.9	78.0	523.4	0.0
Grp Sat Flow(s),veh/h/ln	1782.3	0.0	0.0		1826.9	1547.0	0.0	0.0	1630.1	0.0	1635.1	1615.0
Q Serve(g_s), s	0.0	0.0	0.0		3.4	3.9	0.0	0.0	19.0	0.0	9.9	0.0
Cycle Q Clear(g_c), s	6.8	0.0	0.0		3.4	3.9	19.0	0.0	19.0	19.0	9.9	0.0
Proportion In Lane	0.004		0.248			1.000	1.000		0.004	1.000		1.000
Lane Grp Cap(c), veh/h	915.3	0.0	0.0		873.7	739.9	125.2	0.0	538.7	125.2	0.0	533.7
V/C Ratio(X)	0.360	0.000	0.000		0.210	0.243	0.972	0.000	1.138	0.623	0.000	0.000
Avail Cap(c_a), veh/h	915.3	0.0	0.0		873.8	739.9	125.2	0.0	538.7	125.2	0.0	533.7
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000		0.851	0.851	0.958	0.000	0.958	0.913	0.913	0.000
Uniform Delay (d), s/veh	9.6	0.0	0.0		8.7	8.9	28.7	0.0	19.2	28.7	0.0	0.0
Incr Delay (d2), s/veh	0.2	0.0	0.0		0.1	0.1	71.4	0.0	82.0	19.5	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	9.8	0.0	0.0		8.8	9.0	100.2	0.0	101.2	48.2	0.0	0.0
Lane Group LOS	A				A	A	F		F	D		
Approach Volume, veh/h		330			363			735			601	
Approach Delay, s/veh		9.8			8.9			101.1			6.3	
Approach LOS		A			A			F			A	
<b>Timer</b>												
Assigned Phase		2			6			4			8	
Phase Duration (G+Y+Rc), s		33.00			33.00			24.50			24.50	
Change Period (Y+Rc), s		5.50			5.50			5.50			5.50	
Max Green Setting (Gmax), s		27.50			27.50			19.00			19.00	
Max Q Clear Time (g_c+I1), s		8.80			5.94			21.00			21.00	
Green Extension Time (p_c)		3.65			3.81			0.00			0.00	
<b>Intersection Summary</b>												
HCM 2010 Control Delay					41.6							
HCM 2010 Level of Service					D							

Lanes, Volumes, Timings  
10: Belmont Street & Torrey Street

2014 AM Peak Hour  
12/9/2014

						
Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Volume (vph)	217	0	0	574	367	271
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			130
Storage Lanes	1	0	0			1
Taper Length (ft)	25		25			
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Fr						0.850
Flt Protected	0.950					
Satd. Flow (prot)	1687	0	0	1792	1792	1553
Flt Permitted	0.950					
Satd. Flow (perm)	1687	0	0	1792	1792	1553
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)						
Link Speed (mph)	30			30	30	
Link Distance (ft)	630			884	839	
Travel Time (s)	14.3			20.1	19.1	
Peak Hour Factor	0.83	0.92	0.92	0.93	0.75	0.75
Growth Factor	101%	101%	101%	101%	101%	101%
Heavy Vehicles (%)	7%	2%	2%	6%	6%	4%
Adj. Flow (vph)	264	0	0	623	494	365
Shared Lane Traffic (%)						
Lane Group Flow (vph)	264	0	0	623	494	365
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(ft)	12			0	0	
Link Offset(ft)	0			0	0	
Crosswalk Width(ft)	16			16	16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15	9	15			9
Number of Detectors	1			2	2	1
Detector Template	Left			Thru	Thru	Right
Leading Detector (ft)	20			100	100	20
Trailing Detector (ft)	0			0	0	0
Detector 1 Position(ft)	0			0	0	0
Detector 1 Size(ft)	20			6	6	20
Detector 1 Type	Cl+Ex			Cl+Ex	Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0			0.0	0.0	0.0
Detector 1 Queue (s)	0.0			0.0	0.0	0.0
Detector 1 Delay (s)	0.0			0.0	0.0	0.0
Detector 2 Position(ft)				94	94	
Detector 2 Size(ft)				6	6	
Detector 2 Type				Cl+Ex	Cl+Ex	
Detector 2 Channel						
Detector 2 Extend (s)				0.0	0.0	
Turn Type	NA			NA	NA	pm+ov
Protected Phases	4			2	2	4

Lanes, Volumes, Timings  
 10: Belmont Street & Torrey Street

2014 AM Peak Hour  
 12/9/2014



Lane Group	EBL	EBR	NEL	NET	SWT	SWR
Permitted Phases						2
Detector Phase	4			2	2	4
Switch Phase						
Minimum Initial (s)	4.0			4.0	4.0	4.0
Minimum Split (s)	20.0			20.0	20.0	20.0
Total Split (s)	20.0			45.0	45.0	20.0
Total Split (%)	30.8%			69.2%	69.2%	30.8%
Maximum Green (s)	16.0			41.0	41.0	16.0
Yellow Time (s)	3.5			3.5	3.5	3.5
All-Red Time (s)	0.5			0.5	0.5	0.5
Lost Time Adjust (s)	0.0			0.0	0.0	0.0
Total Lost Time (s)	4.0			4.0	4.0	4.0
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0			3.0	3.0	3.0
Recall Mode	None			C-Max	C-Max	None
Walk Time (s)	5.0			5.0	5.0	5.0
Flash Dont Walk (s)	11.0			11.0	11.0	11.0
Pedestrian Calls (#/hr)	0			0	0	0
Act Effect Green (s)	13.9			43.1	43.1	65.0
Actuated g/C Ratio	0.21			0.66	0.66	1.00
v/c Ratio	0.73			0.52	0.42	0.24
Control Delay	36.1			8.2	6.9	0.4
Queue Delay	0.0			0.0	0.0	0.0
Total Delay	36.1			8.2	6.9	0.4
LOS	D			A	A	A
Approach Delay	36.1			8.2	4.1	
Approach LOS	D			A	A	

Intersection Summary













Area Type: Other  
 Cycle Length: 65  
 Actuated Cycle Length: 65  
 Offset: 0 (0%), Referenced to phase 2:NESW and 6:, Start of Green  
 Natural Cycle: 50  
 Control Type: Actuated-Coordinated  
 Maximum v/c Ratio: 0.73  
 Intersection Signal Delay: 10.4  
 Intersection Capacity Utilization 49.3%  
 Analysis Period (min) 15  
 Intersection LOS: B  
 ICU Level of Service A

Splits and Phases: 10: Belmont Street & Torrey Street















HCM 2010 Signalized Intersection Summary  
 4: Belmont Street & Shaws Plaza/Forest Avenue

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↔			↔			↔			↔	
Volume (vph)	13	60	21	13	90	5	22	620	10	7	387	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	0.98		0.99	1.00		0.99	1.00		1.00
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1824	1824	1824	1837	1837	1837	1792	1792	1792	1808	1808	1808
Lanes	0	2	0	0	1	0	0	2	0	0	2	0
Capacity, veh/h	95	317	102	72	218	11	0	2601	42	67	2406	79
Arriving On Green	0.15	0.15	0.15	0.15	0.15	0.15	0.00	0.74	0.74	0.74	0.74	0.74
Sat Flow, veh/h	415.1	1855.6	695.4	199.9	1278.0	76.1	0.0	3516.9	56.2	58.0	3261.2	107.2
Grp Volume(v), veh/h	67.1	0.0	62.7	141.6	0.0	0.0	0.0	362.5	360.5	242.8	0.0	224.2
Grp Sat Flow(s),veh/h/ln	1548.3	0.0	1515.1	1659.9	0.0	0.0	0.0	1791.7	1781.3	1753.0	0.0	1626.3
Q Serve(g_s), s	0.0	0.0	2.6	0.4	0.0	0.0	0.0	4.6	4.6	0.0	0.0	2.9
Cycle Q Clear(g_c), s	2.3	0.0	2.6	5.1	0.0	0.0	0.0	4.6	4.6	2.8	0.0	2.9
Proportion In Lane	0.268		0.459	0.120		0.046	0.000		0.032	0.033		0.066
Lane Grp Cap(c), veh/h	292.0	0.0	222.2	300.8	0.0	0.0	0.0	1325.1	1317.4	1349.4	0.0	1202.8
V/C Ratio(X)	0.230	0.000	0.282	0.471	0.000	0.000	0.000	0.274	0.274	0.180	0.000	0.186
Avail Cap(c_a), veh/h	649.0	0.0	688.4	727.7	0.0	0.0	0.0	1325.1	1317.4	1349.4	0.0	1202.8
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	0.000	0.000	1.000	1.000	1.000	0.000	1.000
Uniform Delay (d), s/veh	26.6	0.0	26.7	27.7	0.0	0.0	0.0	3.0	3.0	2.8	0.0	2.8
Incr Delay (d2), s/veh	0.4	0.0	0.7	1.1	0.0	0.0	0.0	0.5	0.5	0.1	0.0	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	27.0	0.0	27.4	28.9	0.0	0.0	0.0	3.5	3.5	2.8	0.0	2.8
Lane Group LOS	C		C	C				A	A	A		A
Approach Volume, veh/h		130			142			723				467
Approach Delay, s/veh		27.2			28.9			3.5				2.8
Approach LOS		C			C			A				A
<b>Timer</b>												
Assigned Phase		4			8		5	2				6
Phase Duration (G+Y+Rc), s		14.31			14.31		0.00	56.00				56.00
Change Period (Y+Rc), s		4.00			4.00		4.00	4.00				4.00
Max Green Setting (Gmax), s		30.00			30.00		20.00	52.00				30.00
Max Q Clear Time (g_c+I1), s		4.59			7.13		0.00	6.65				4.93
Green Extension Time (p_c)		1.59			1.55		0.00	9.56				8.32
<b>Intersection Summary</b>												
HCM 2010 Control Delay					7.8							
HCM 2010 Level of Service					A							

HCM 2010 Signalized Intersection Summary  
 9: Ash Street & Forest Avenue

2014 AM Peak Hour  
 12/9/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Volume (vph)	36	301	13	34	262	23	34	147	69	26	81	22
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.99		0.97	1.00		0.96	0.97		0.99	1.00		0.95
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Lanes	0	1	0	0	1	0	0	1	0	0	1	0
Capacity, veh/h	108	762	31	105	725	60	101	384	161	133	381	92
Arriving On Green	0.51	0.51	0.51	0.51	0.51	0.51	0.37	0.37	0.37	0.37	0.37	0.37
Sat Flow, veh/h	168.9	1313.4	60.4	172.8	1216.0	115.7	215.9	866.1	433.9	296.1	836.4	248.1
Grp Volume(v), veh/h	504.8	0.0	0.0	397.5	0.0	0.0	276.7	0.0	0.0	149.5	0.0	0.0
Grp Sat Flow(s),veh/h/ln	1641.1	0.0	0.0	1620.0	0.0	0.0	1583.4	0.0	0.0	1466.8	0.0	0.0
Q Serve(g_s), s	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cycle Q Clear(g_c), s	12.8	0.0	0.0	9.4	0.0	0.0	8.1	0.0	0.0	4.0	0.0	0.0
Proportion In Lane	0.103		0.037	0.107		0.071	0.136		0.274	0.202		0.169
Lane Grp Cap(c), veh/h	900.7	0.0	0.0	890.1	0.0	0.0	646.6	0.0	0.0	606.6	0.0	0.0
V/C Ratio(X)	0.560	0.000	0.000	0.447	0.000	0.000	0.428	0.000	0.000	0.246	0.000	0.000
Avail Cap(c_a), veh/h	900.7	0.0	0.0	890.1	0.0	0.0	646.6	0.0	0.0	606.6	0.0	0.0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000	1.000	0.000	0.000
Uniform Delay (d), s/veh	11.4	0.0	0.0	10.5	0.0	0.0	16.4	0.0	0.0	15.1	0.0	0.0
Incr Delay (d2), s/veh	2.5	0.0	0.0	1.6	0.0	0.0	2.1	0.0	0.0	1.0	0.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	13.9	0.0	0.0	12.2	0.0	0.0	18.5	0.0	0.0	16.1	0.0	0.0
Lane Group LOS	B			B			B			B		
Approach Volume, veh/h		505			397			277			150	
Approach Delay, s/veh		13.9			12.2			18.5			16.1	
Approach LOS		B			B			B			B	
<b>Timer</b>												
Assigned Phase		2			6			8				4
Phase Duration (G+Y+Rc), s		40.00			40.00			30.00				30.00
Change Period (Y+Rc), s		4.00			4.00			4.00				4.00
Max Green Setting (Gmax), s		36.00			36.00			26.00				26.00
Max Q Clear Time (g_c+I1), s		14.78			11.41			10.15				6.01
Green Extension Time (p_c)		6.40			6.75			2.40				2.62
<b>Intersection Summary</b>												
HCM 2010 Control Delay				14.6								
HCM 2010 Level of Service				B								

HCM 2010 Signalized Intersection Summary  
 12: Belmont Street & Angus Beaton Drive/Stop and Shop

2014 AM Peak Hour  
 12/9/2014

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Volume (vph)	17	10	19	99	20	105	14	631	209	117	475	18
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Queue, veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	0.83		0.96	0.96		0.92	1.00		0.97	1.00		0.93
Parking, Bus Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow Rate	1727	1783	1783	1863	1727	1727	1900	1827	1827	1743	1796	1796
Lanes	1	1	0	1	1	0	1	2	0	1	2	0
Capacity, veh/h	143	80	150	338	51	267	23	1196	391	170	1877	70
Arriving On Green	0.01	0.15	0.15	0.09	0.23	0.23	0.01	0.46	0.46	0.10	0.55	0.55
Sat Flow, veh/h	1645.0	538.3	1012.7	1774.0	226.1	1175.0	1809.5	2614.9	854.9	1660.1	3430.3	128.5
Grp Volume(v), veh/h	20.9	0.0	35.5	192.3	0.0	240.8	19.6	617.6	557.9	137.4	291.7	287.1
Grp Sat Flow(s),veh/h/ln	1645.0	0.0	1551.0	1774.0	0.0	1401.1	1809.5	1826.8	1643.0	1660.1	1796.1	1762.7
Q Serve(g_s), s	0.0	0.0	1.6	7.0	0.0	12.6	0.9	21.8	21.9	6.4	6.9	6.9
Cycle Q Clear(g_c), s	0.0	0.0	1.6	7.0	0.0	12.6	0.9	21.8	21.9	6.4	6.9	6.9
Proportion In Lane	1.000		0.653	1.000		0.839	1.000		0.520	1.000		0.073
Lane Grp Cap(c), veh/h	143.2	0.0	229.1	337.9	0.0	318.6	22.9	835.4	751.3	170.0	982.6	964.3
V/C Ratio(X)	0.146	0.000	0.155	0.569	0.000	0.756	0.858	0.739	0.743	0.808	0.297	0.298
Avail Cap(c_a), veh/h	211.5	0.0	394.6	337.9	0.0	410.0	92.1	835.4	751.3	253.4	982.6	964.3
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.000	0.000	1.000	1.000	0.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Uniform Delay (d), s/veh	36.3	0.0	29.2	28.5	0.0	28.3	38.7	17.5	17.5	34.5	9.6	9.6
Incr Delay (d2), s/veh	0.5	0.0	0.3	2.3	0.0	5.9	55.0	5.8	6.5	11.1	0.8	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lane Group Delay (d), s/veh	36.7	0.0	29.5	30.7	0.0	34.2	93.7	23.3	24.1	45.7	10.4	10.4
Lane Group LOS	D		C	C		C	F	C	C	D	B	B
Approach Volume, veh/h		56			433			1195			716	
Approach Delay, s/veh		32.2			32.6			24.8			17.2	
Approach LOS		C			C			C			B	
<b>Timer</b>												
Assigned Phase	7	4		3	8		5	2		1	6	
Phase Duration (G+Y+Rc), s	4.73	15.61		11.00	21.87		4.99	39.94		12.05	47.00	
Change Period (Y+Rc), s	4.00	4.00		4.00	4.00		4.00	4.00		4.00	4.00	
Max Green Setting (Gmax), s	4.00	20.00		7.00	23.00		4.00	35.00		12.00	43.00	
Max Q Clear Time (g_c+I1), s	2.00	3.57		9.00	14.60		2.85	23.93		8.37	8.93	
Green Extension Time (p_c)	0.00	1.62		0.00	1.09		0.00	7.85		0.11	16.20	
<b>Intersection Summary</b>												
HCM 2010 Control Delay				24.1								
HCM 2010 Level of Service				C								



**Intersection**

Intersection Delay (sec/veh): 4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Volume (vph)	11	403	61	53	283	1	61	5	42	1	5	6
Conflicting Peds.(#/hr)	0	0	1	1	0	0	1	0	1	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None	None	None	None	None	None	None
Storage Length	0		0	0		0	0		0	0		0
Median Width		0			0			0			0	
Grade (%)		0%			0%			0%			0%	
Peak Hour Factor	0.97	0.97	0.97	0.95	0.95	0.95	0.85	0.85	0.85	0.60	0.60	0.60
Heavy Vehicles(%)	0	3	3	0	3	0	8	0	10	0	0	0
Movement Flow Rate	11	420	64	56	301	1	72	6	50	2	8	10
Number of Lanes	0	1	0	0	1	0	0	1	0	0	1	0

Major/Minor	Major 1			Major 2			Minor 1			Minor 2		
Conflicting Flow Rate - All	302	0	0	485	0	0	898	889	454	917	921	303
Stage 1	-	-	-	-	-	-	475	475	-	414	414	-
Stage 2	-	-	-	-	-	-	423	414	-	503	507	-
Follow-up Headway	2.2	-	-	2.2	-	-	3.572	4	3.39	3.5	4	3.3
Pot Capacity-1 Maneuver	*1196	-	-	1088	-	-	257	279	590	256	265	*1196
Stage 1	-	-	-	-	-	-	559	561	-	693	627	-
Stage 2	-	-	-	-	-	-	670	627	-	555	543	-
Time blocked-Platoon(%)	20	-	-	0	-	-	20	20	0	20	20	20
Mov Capacity-1 Maneuver	*1195	-	-	1087	-	-	234	258	589	217	245	*1195
Mov Capacity-2 Maneuver	-	-	-	-	-	-	234	258	-	217	245	-
Stage 1	-	-	-	-	-	-	551	553	-	684	588	-
Stage 2	-	-	-	-	-	-	613	588	-	496	535	-

Approach	EB	WB	NB	SB
HCM Control Delay (s)	0.2	1.3	24.9	14.5
HCM LOS	A	A	C	B

Lane	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (vph)	307							400
HCM Control Delay (s)	24.9	8.042	0	-	8.493	0	-	14.5
HCM Lane VC Ratio	0.418	0.01	-	-	0.052	-	-	0.051
HCM Lane LOS	C	A	A	-	A	A	-	B
HCM 95th Percentile Queue (veh)	1.979	0.029	-	-	0.164	-	-	0.159













Analyst: RG Intersection: Forest Street at West Street  
 Agency: OCPC Jurisdiction: City of Brockton  
 Date: 4/8/2014 Units: U.S. Customary  
 Project ID: SW Brockton Corridor Study Analysis Year: 2013  
 EW Street: Forest Ave NS Street: West Street

-----General Information-----

Major St. Speed (mph): 30 Population: Not less than 10000  
 Nearest Signal (ft): 390 Coordinated Signal System: N  
 Crashes per Yr: 15

-----School Crossing-----

Students in Highest Hour: 0  
 Adequate Gaps in Period: 0  
 Minutes in Period: 0

-----Roadway Network-----

Two Major Routes: 0  
 Weekend Count: 0  
 5-yr Growth Factor: 0

-----Geometry and Traffic-----

	Eastbound			Westbound			Northbound			Southbound		
	L	T	R	L	T	R	L	T	R	L	T	R
No. Lanes	0	1	0	0	1	0	0	1	0	1	1	0
Lane Usage	LTR			LTR			LTR			L	TR	

-----Results-----

Warrant 1: Eight-Hour Vehicular Volume [ ]  
 1 A. Minimum Vehicular Volumes [ ]  
 1 B. Interruption of Continuous Traffic [ ]  
 1 80% Vehicular --and-- Interruption Volumes [ ]  
  
 Warrant 2: Four-Hour Vehicular Volume  
 2 A. Four-Hour Vehicular Volumes [X]  
  
 Warrant 3: Peak Hour [X]  
 3 A. Peak-Hour Conditions [ ]  
 3 B. Peak-Hour Vehicular Volume Hours Met [X]  
  
 Warrant 4: Pedestrian Volume [ ]  
 4 A. Pedestrian Volumes [ ]  
 4 B. Gaps Same Period [ ]  
  
 Warrant 5: School Crossing [ ]  
 5 A. Student Volumes [ ]  
 5 B. Gaps Same Period [ ]  
  
 Warrant 6: Coordinated Signal System  
 6 Degree of Platooning [ ]  
  
 Warrant 7: Crash Experience [ ]  
 7 A. Adequate trials of alternatives [ ]







# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

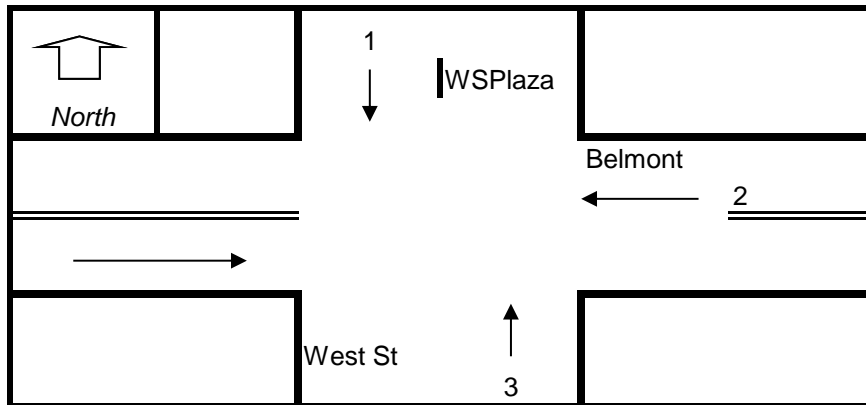
~ INTERSECTION DATA ~

MAJOR STREET : Belmont Street RIN #

MINOR STREET(S) : West Side Plaza at West Street RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	130	912	220	704	1966	

"K" FACTOR : 0.09 APPROACH ADT : 21,844 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 14 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 4.67

CRASH RATE CALCULATION : 0.585 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	-23.99%	Statewide Average: <i>Signalized</i>	-26.84%
<i>Unsignalized</i>	0.91%	<i>Unsignalized</i>	-2.45%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

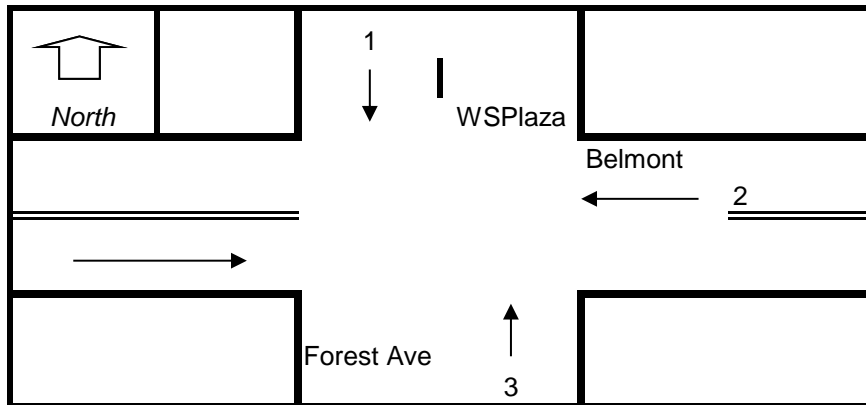
~ INTERSECTION DATA ~

MAJOR STREET : Belmont Street RIN #

MINOR STREET(S) : Forest Ave/Westside Plaza RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	282	684	185	672	1823	

"K" FACTOR : 0.09 APPROACH ADT : 20,256 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 21 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 7.00

CRASH RATE CALCULATION : 0.947 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference				
District 5 Average: <i>Signalized</i>	22.96%	Statewide Average: <i>Signalized</i>	18.35%	
<i>Unsignalized</i>	63.24%	<i>Unsignalized</i>	57.80%	

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton      COUNT DATE : 2013      **MHD USE ONLY**

DISTRICT : 5      UNSIGNALIZED :       SIGNALIZED :       Source #

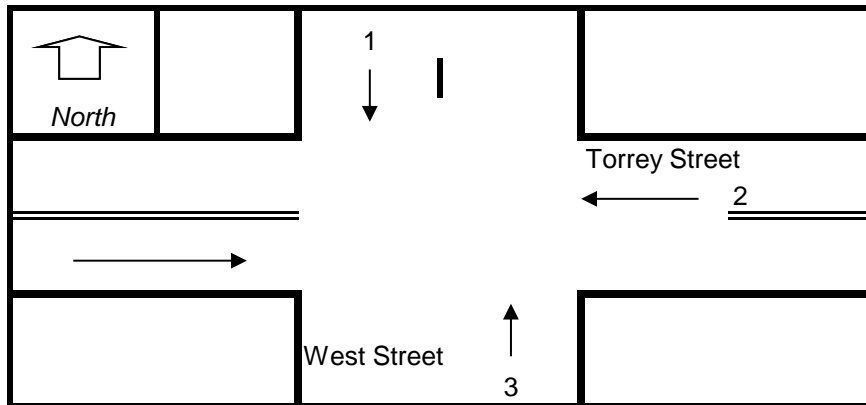
~ INTERSECTION DATA ~

MAJOR STREET : Torrey      RIN #

MINOR STREET(S) : West Street      RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	689	399	402	510	2000	

" K " FACTOR :       APPROACH ADT :       ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS :       # OF YEARS :       AVERAGE # OF ACCIDENTS ( A ) :

**CRASH RATE CALCULATION :**            RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

<b>District 5 Average:</b> <i>Signalized</i>	0.77	<b>Statewide Average:</b> <i>Signalized</i>	0.8
	<i>Unsignalized</i> 0.58		<i>Unsignalized</i> 0.60

Percentage Difference			
District 5 Average:	Signalized	33.43%	Statewide Average: Signalized 28.42%
	Unsignalized	77.14%	Unsignalized 71.23%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Torrey Street RIN #

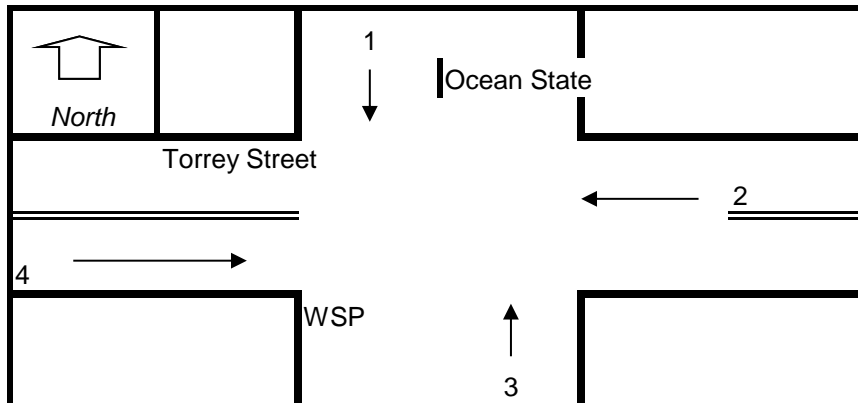
MINOR STREET(S) : Ocean State JL/West Side Plaza RIN #

RIN #

RIN #

RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI

REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	115	471	244	574	1404	

"K" FACTOR : 0.09 APPROACH ADT : 15,600 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 13 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 4.33

CRASH RATE CALCULATION : 0.761 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	-1.16%	Statewide Average: <i>Signalized</i>	-4.87%
<i>Unsignalized</i>	31.21%	<i>Unsignalized</i>	26.84%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton      COUNT DATE : 2013      **MHD USE ONLY**

DISTRICT : 5      UNSIGNALIZED :       SIGNALIZED :       Source #

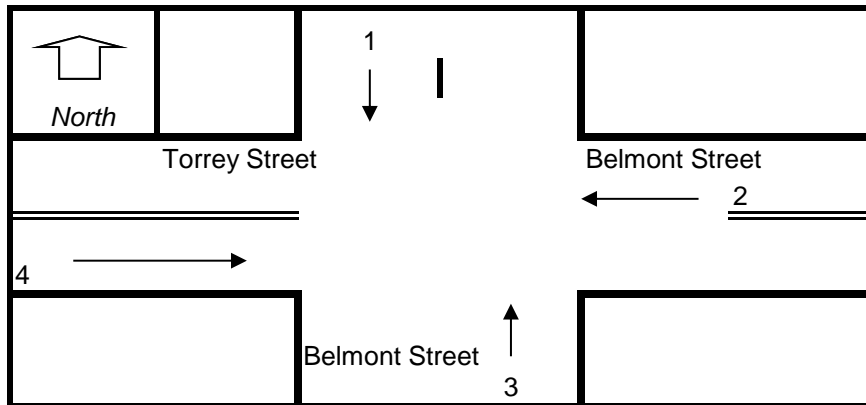
~ INTERSECTION DATA ~

MAJOR STREET : Belmont Street      RIN #

MINOR STREET(S) : Torrey Street      RIN #

RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	0	764	535	313	1612	

" K " FACTOR : 0.09      APPROACH ADT : 17,911      ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 13      # OF YEARS : 3      AVERAGE # OF ACCIDENTS ( A ) : 4.33

**CRASH RATE CALCULATION :**      0.663      RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

<b>District 5 Average:</b> <i>Signalized</i>	0.77	<b>Statewide Average:</b> <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average:	Signalized	-13.92%	Statewide Average: Signalized -17.15%
	Unsignalized	14.28%	Unsignalized 10.47%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

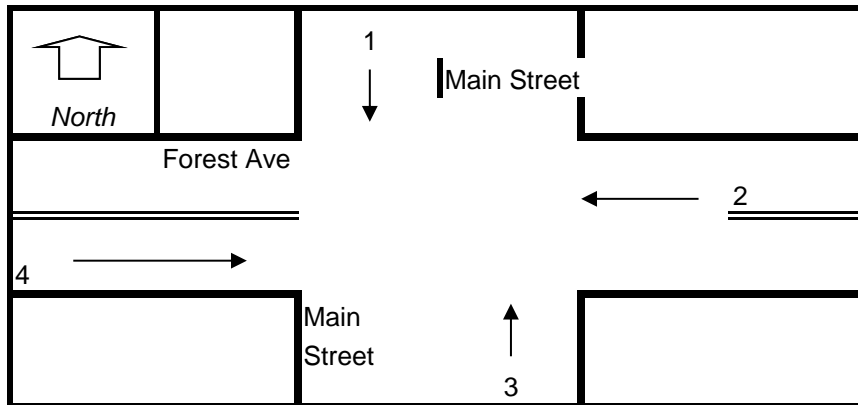
MINOR STREET(S) : Main Street RIN #

RIN #

RIN #

RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI

REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	441	4	626	322	1393	

" K " FACTOR : 0.09 APPROACH ADT : 15,478 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 21 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 7.00

CRASH RATE CALCULATION : 1.239 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	60.92%	Statewide Average: <i>Signalized</i>	54.88%
<i>Unsignalized</i>	113.63%	<i>Unsignalized</i>	106.51%



# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave (Three-way) RIN #

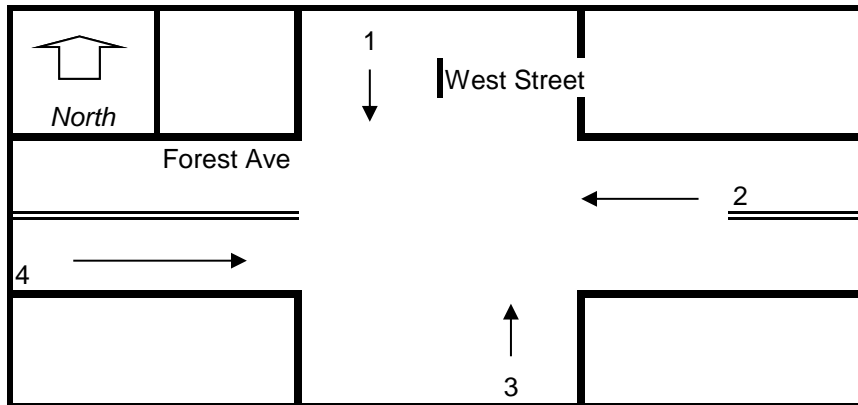
MINOR STREET(S) : West Street RIN #

RIN #

RIN #

RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI

REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	302	593	0	642	1537	

"K" FACTOR : 0.09 APPROACH ADT : 17,078 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 2 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 0.67

CRASH RATE CALCULATION : 0.107 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	-86.11%	Statewide Average: <i>Signalized</i>	-86.63%
<i>Unsignalized</i>	-81.56%	<i>Unsignalized</i>	-82.17%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

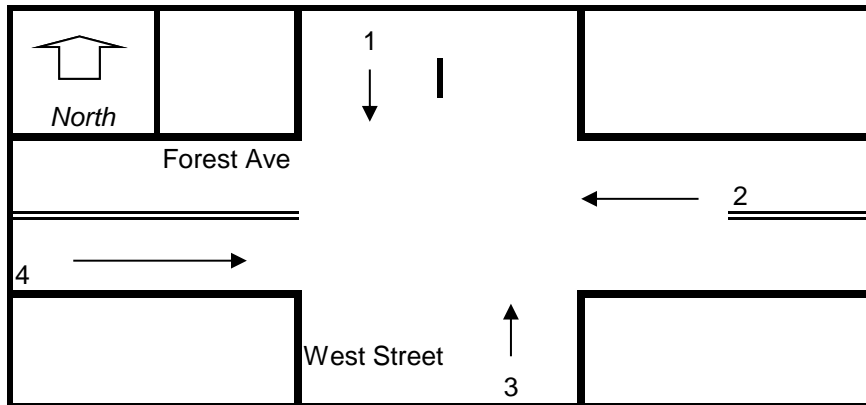
~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

MINOR STREET(S) : West Street RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	18	404	393	224	1039	

" K " FACTOR : 0.09 APPROACH ADT : 11,544 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 13 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 4.33

CRASH RATE CALCULATION : 1.028 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	33.56%	Statewide Average: <i>Signalized</i>	28.55%
<i>Unsignalized</i>	77.31%	<i>Unsignalized</i>	71.40%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

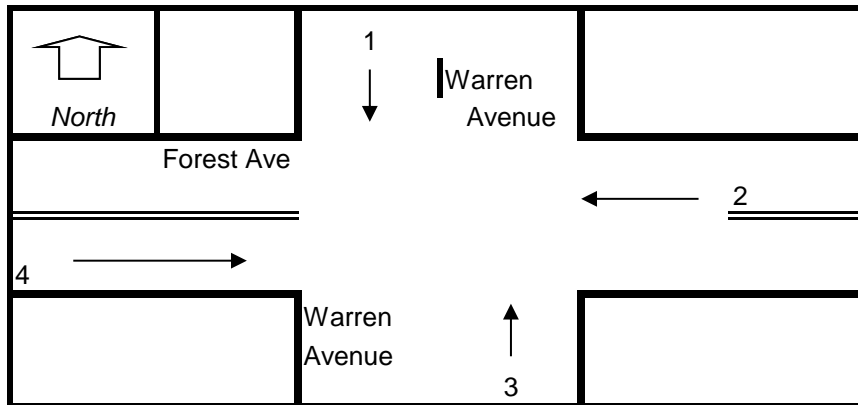
MINOR STREET(S) : Warren Ave RIN #

RIN #

RIN #

RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

### Peak Hour Volumes

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	448	211	397	414	1470	

" K " FACTOR : 0.09 APPROACH ADT : 16,333 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 41 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 13.67

CRASH RATE CALCULATION : 2.292 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	197.72%	Statewide Average: <i>Signalized</i>	186.55%
<i>Unsignalized</i>	295.25%	<i>Unsignalized</i>	282.07%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :  Source #

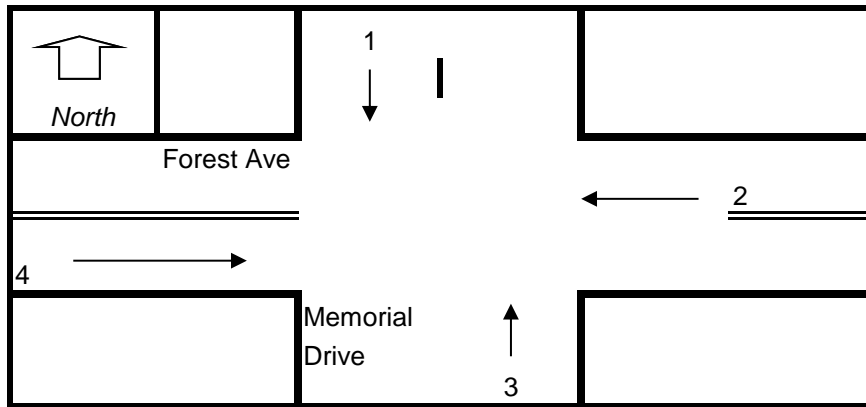
~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

MINOR STREET(S) : Memorial Drive RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	0	617	72	710	1399	

" K " FACTOR : 0.09 APPROACH ADT : 15,544 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 8 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 2.67

CRASH RATE CALCULATION : 0.470 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	-38.96%	Statewide Average: <i>Signalized</i>	-41.25%
<i>Unsignalized</i>	-18.96%	<i>Unsignalized</i>	-21.67%

# MassHighway

## CRASH RATE WORKSHEET

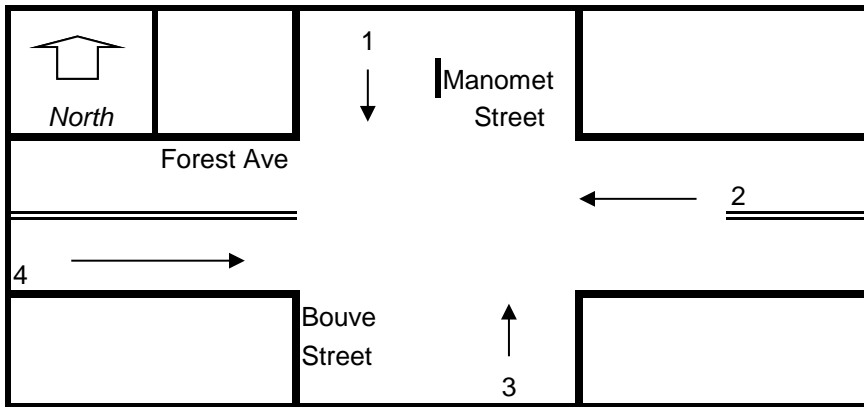
CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

MINOR STREET(S) : Bouve/Manomet RIN #



**INTERSECTION DIAGRAM**  
(Label Approaches)

INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	129	473	134	660	1396	

" K " FACTOR : 0.09 APPROACH ADT : 15,511 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 30 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 10.00

CRASH RATE CALCULATION : 1.766 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	129.39%	Statewide Average: <i>Signalized</i>	120.79%
<i>Unsignalized</i>	204.53%	<i>Unsignalized</i>	194.38%

# MassHighway

## CRASH RATE WORKSHEET

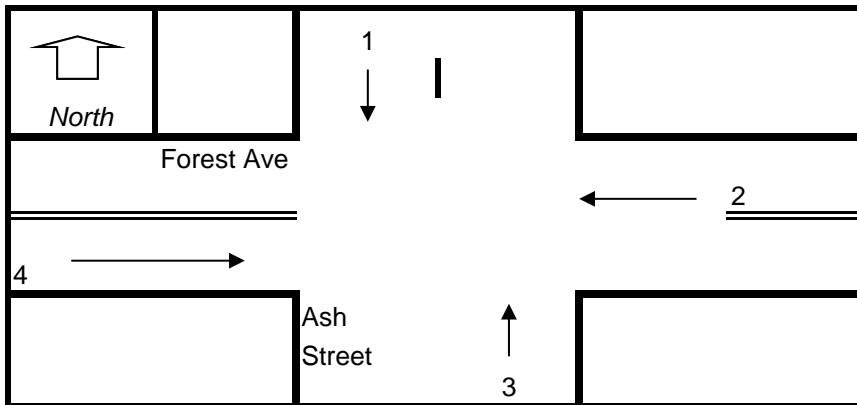
CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

~ INTERSECTION DATA ~

MAJOR STREET : Forest Ave RIN #

MINOR STREET(S) : Ash Street RIN #



**INTERSECTION DIAGRAM**  
(Label Approaches)

INTERSECTION REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	203	585	221	678	1687	

"K" FACTOR : 0.09 APPROACH ADT : 18,744 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 24 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 8.00

CRASH RATE CALCULATION : 1.169 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	<i>Unsignalized</i>		0.58

Percentage Difference			
District 5 Average: <i>Signalized</i>	51.86%	Statewide Average: <i>Signalized</i>	46.16%
<i>Unsignalized</i>	101.60%	<i>Unsignalized</i>	94.88%

# MassHighway

## CRASH RATE WORKSHEET

CITY/TOWN : Brockton COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :  Source #

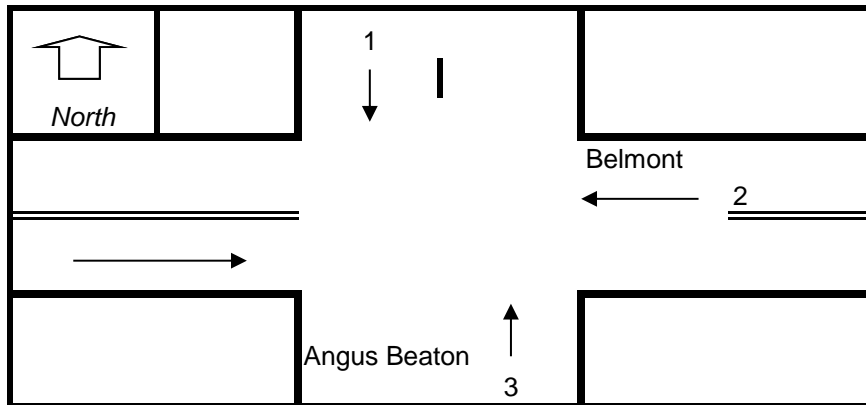
~ INTERSECTION DATA ~

MAJOR STREET : Belmont Street RIN #

MINOR STREET(S) : Angus Beaton (Brockton High School) RIN #

RIN #   
RIN #   
RIN #   
RIN #   
RIN #

**INTERSECTION  
DIAGRAM**  
(Label Approaches)



INTERSECTI  
REF #

**Peak Hour Volumes**

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	115	899	137	925	2076	

" K " FACTOR : 0.09 APPROACH ADT : 23,067 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 13 # OF YEARS : 3 AVERAGE # OF ACCIDENTS ( A ) : 4.33

CRASH RATE CALCULATION : 0.515 RATE =  $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : \_\_\_\_\_

District 5 Average: <i>Signalized</i>	0.77	Statewide Average: <i>Signalized</i>	0.8
	0.58		<i>Unsignalized</i>

Percentage Difference			
District 5 Average: <i>Signalized</i>	-33.16%	Statewide Average: <i>Signalized</i>	-35.66%
<i>Unsignalized</i>	-11.26%	<i>Unsignalized</i>	-14.22%

# Southwest Brockton Corridor Study Public Workshop



**Tuesday, March 18, 2014 at 5:00 PM, at Brockton High School. The meeting will be held in the Red Cafeteria**

## AGENDA:

5:00 PM Open House—Study Overview

5:30 PM Discussion of Traffic Issues and Safety

6:00 PM Potential Solutions and Next Steps

2014 SOUTHWEST BROCKTON CORRIDOR STUDY OCPC is conducting the 2014 Southwest Brockton Corridor Study focusing on the Forest Avenue corridor, from Belmont Street to Main Street, including portions of Belmont Street, Torrey Street, and West Street. The purpose of the study is to evaluate traffic operations and safety (including transit, pedestrian, and bicycle travel), within the study area, and to develop short term and long term solutions to traffic congestion and safety problems. Please attend the workshop and help develop a plan for future improvements.

Si usted necesita servicios de traducción en portugués, llame a Pat Ciaramella al 508-583-1833 7 días de antelación.

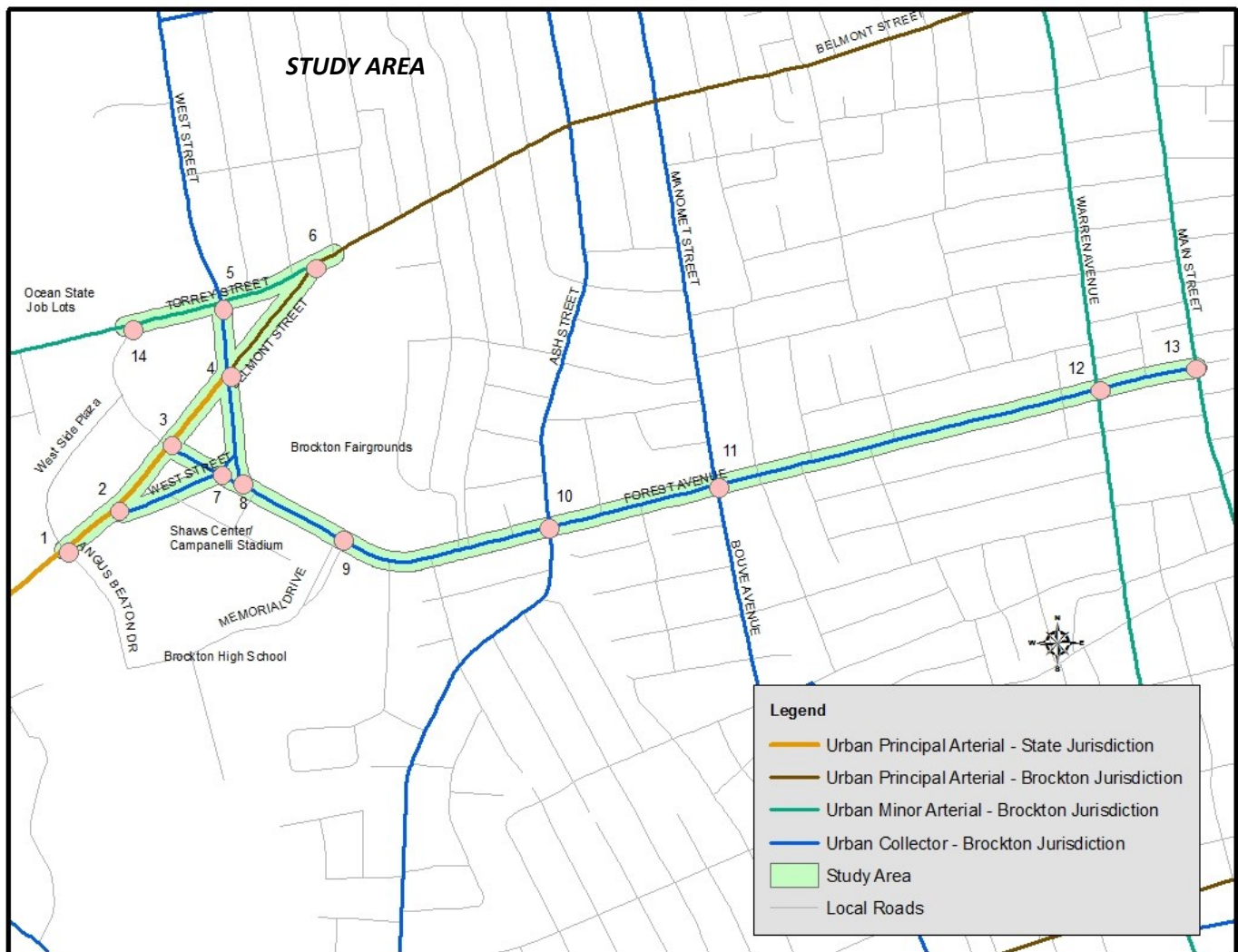
Se você precisar de serviços de tradução em Português, ligue 508-583-1833 Pat Ciaramella em 7 dias de antecedência.

Si ou bezwen sêvis tradiksyon an Pòtigè, rele Pat Ciaramella nan 508-583-1833 7 jou an davans.

For background information on the study visit [www.ocpcrpa.org](http://www.ocpcrpa.org), or call (508) 583-1833 Ext 212. The Old Colony MPO fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The Old Colony MPO operates without regard to race, color, national origin, religious creed, sexual orientation, gender identity or expression, veteran's status, and/or ancestry. Any person who believes him/herself or any specific class of persons, to be subject to discrimination prohibited by Title VI may by him/herself or by representative file a written complaint with the Old Colony MPO. Complaints are to be filed no later than 180 days from the date of the alleged discrimination. Please contact Pat Ciaramella at 508-583-1833 for more information.



# 2014 SOUTHWEST BROCKTON CORRIDOR STUDY



### STUDY AREA INTERSECTIONS:

1. Belmont Street at Angus Beaton Drive
2. Belmont Street at Shaws Plaza/West Street
3. Belmont Street at Shaws Plaza/Forest Ave
4. Belmont Street at West Street
5. Torrey Street at West Street
6. Belmont Street at Torrey Street
7. Forest Ave at West Street (4-way)
8. Forest Ave at West Street (3-way)
9. Forest Ave at Memorial Drive
10. Forest Ave at Ash Street
11. Forest Ave at Bouve Ave/Manomet Street
12. Forest Ave at Warren Ave
13. Forest Ave at Main Street
14. Torrey Street at West Side/Ocean State JL

### Emphasis Areas

#### Safety

- Crash Analysis
- Pavement Conditions

#### Transit, Pedestrian, and Bicycle

- Transit needs
- Pedestrian Levels of Service
- Bicycle Levels of Service

#### Traffic

- Average Daily Traffic
- Vehicle Speeds and Classifications
- Intersection Levels of Service

#### Recommendations

Potential Improvements & Funding

### Study Goals

#### Improve Circulation & Safety for:

- Pedestrians
- Bicycles
- Public Transit
- Motor Vehicles

### Want more information?

Want to participate? Visit [www.ocpcrpa.org](http://www.ocpcrpa.org) to learn how.

Take our online survey:

<http://www.surveymonkey.com/s/FD9PH7D>



**Old Colony Planning Council**

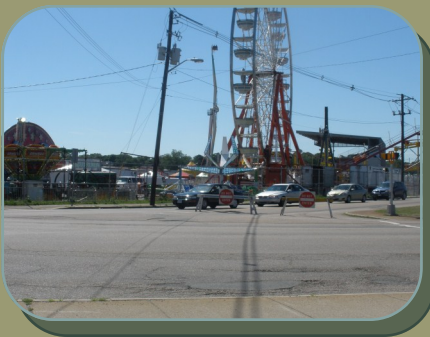
70 School Street Brockton, MA 02301 508-583-1833 [www.ocpcrpa.org](http://www.ocpcrpa.org)

Contact Info: Paul Chenard  
Phone: 508-583-1833 x215  
Email: [pchenard@ocpcrpa.org](mailto:pchenard@ocpcrpa.org)

Contact Info: Ray Guarino  
Phone: 508-583-1833 x212  
Email: [rguarino@ocpcrpa.org](mailto:rguarino@ocpcrpa.org)

# Southwest Brockton Corridor Study Public Workshop

Monday, August 25, 2014 at 5:30 PM, at the Brockton  
Public Library, 304 Main Street, Brockton, MA



## AGENDA:

5:30 PM—Open House—Study Overview

6:00 PM—Discussion of Conceptual Improvements  
and Potential Projects (including potential funding)

6:30 PM—Next Steps

The 2014 Southwest Brockton Corridor Study focuses on the Forest Avenue corridor, (Belmont Street to Main Street). It also includes portions of Belmont Street, Torrey Street, and West Street. Traffic operations and safety analyses, (including transit, pedestrian, and bicycle travel) have been conducted and conceptual improvements have been developed to reduce traffic congestion and improve safety. The purpose of the open house is to garner public input and gain consensus regarding specific plans and projects. Please attend the workshop and help plan for Brockton's future improvement.

Si usted necesita servicios de traducción en portugués, llame a Pat Ciaramella al 508-583-1833 7 días de antelación.

Se você precisar de serviços de tradução em Português, ligue 508-583-1833 Pat Ciaramella em 7 dias de antecedência.

Si ou bezwen sêvis tradiksyon an Pòtigè, rele Pat Ciaramella nan 508-583-1833 7 jou an davans

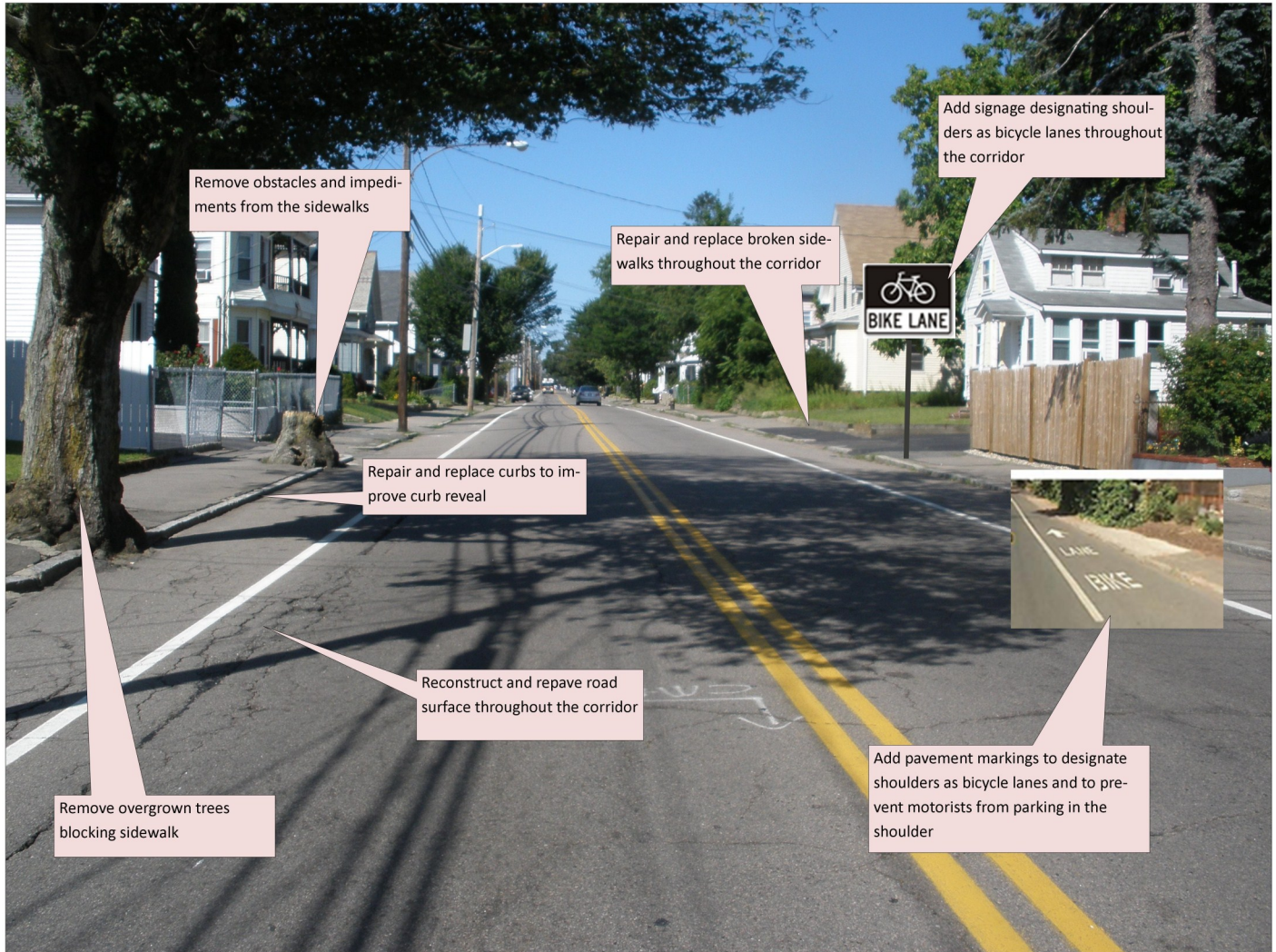
For background information on the study visit [www.ocpcrpa.org](http://www.ocpcrpa.org). or call (508) 583-1833 Ext 212. The Old Colony MPO fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The Old Colony MPO operates without regard to race, color, national origin, religious creed, sexual orientation, gender identity or expression, veteran's status, and/or ancestry. Any person who believes him/herself or any specific class of persons, to be subject to discrimination prohibited by Title VI may by him/herself or by representative file a written complaint with the Old Colony MPO. Complaints are to be filed no later than 180 days from the date of the alleged discrimination. Please contact Pat Ciaramella at 508-583-1833 for more information.

**OLD COLONY PLANNING COUNCIL (OCPC)**  
70 SCHOOL STREET, BROCKTON, MA 02301



# 2014 SOUTHWEST BROCKTON CORRIDOR STUDY

## Recommended Improvements to the Forest Avenue Corridor



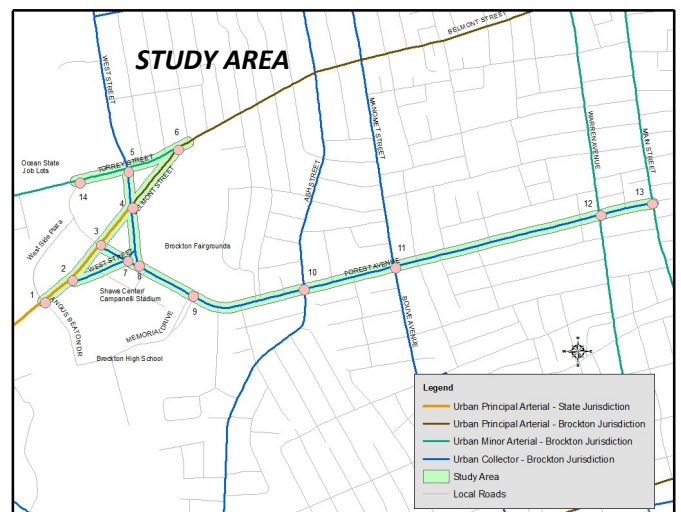
**Contact Info:** Ray Guarino  
**Phone:** 508-583-1833 x212  
**Email:** rguarino@ocpcrpa.org

**Contact Info:** Paul Chenard  
**Phone:** 508-583-1833 x215  
**Email:** pchenard@ocpcrpa.org



**70 School Street  
 Brockton, MA 02301**

**508-583-1833 [www.ocpcrpa.org](http://www.ocpcrpa.org)**



**MASSDOT - HIGHWAY DIVISION**  
**Project Need Form**

This form is intended to provide preliminary information about the proposed project. It is not expected that all information that is asked for is available or known but applicants are encouraged to complete the form as fully as possible.

Proponent: \_\_\_\_\_ Title: \_\_\_\_\_

Municipality/Organization: \_\_\_\_\_

PNF completed by: \_\_\_\_\_ Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Date: \_\_\_\_\_

---

**Part I – Facility Location and General Information**

Municipality: \_\_\_\_\_

Route and/or Street(s): \_\_\_\_\_

MassDOT District: \_\_\_\_\_ MPO Region: \_\_\_\_\_

Estimated project limits by mile marker, station or other distinguishing landmarks such as cross street(s).  
**Please include a locus map of the project.**

Start: \_\_\_\_\_

End: \_\_\_\_\_

Total Mileage: \_\_\_\_\_

What is the federal functional classification of the road? Identify each section.

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Interstate               | <input type="checkbox"/> Urban Collector          | <input type="checkbox"/> Rural Major Collector      |
| <input type="checkbox"/> Urban Principal Arterial | <input type="checkbox"/> Rural Principal Arterial | <input type="checkbox"/> Rural Minor Collector      |
| <input type="checkbox"/> Urban Minor Arterial     | <input type="checkbox"/> Rural Minor Arterial     | <input type="checkbox"/> Other Classification _____ |

Is the proposed project on the National Highway System?       Yes       No

Is the proposed project eligible for Transportation Alternatives?       Yes       No

Who owns the roadway/facility? \_\_\_\_\_

**Project Need:** Briefly describe or characterize, in general terms, the primary project need or goal (e.g. rehabilitate a roadway, improve safety at an intersection, reduce corridor congestion, improve pedestrian facilities, or provide bike accommodation).

\_\_\_\_\_

Identify the **Primary Asset** included in the project area (e.g. roadway, intersection, bridge, bike trail, structure). \_\_\_\_\_

**Part II: Project or Program Description**

Provide whatever information is available to characterize the existing, general attributes of the facility.

CHARACTERISTIC	DATA	Comments
Number of Lanes		
Lane Width		
Shoulder Width		
Existing Right of Way		
Annual Daily Traffic (ADT)		
Percent Truck Traffic		
Traffic Control (signal, flash, signs, etc.)		
Roadway Lighting		
Posted Speed Limit		
Transit Routes & Facilities		

**In what type of area is the project located?** *Project limits may include more than one type of area. For a definition of areas, please refer to Chapter 3 of the Guidebook.*

- Rural Natural
- Rural Village
- Rural Developed
- Suburban Low Density
- Suburban High Density
- Suburban Village/Town Center
- Urban Residential or CBD

**How does the roadway/facility function in the community?**

- High-speed, primary corridor with limited access
- Moderate speed, major corridor between towns/regions
- Low to moderate speed corridor between towns/regions
- Moderate speed, major street connecting residential areas to a town center or major connector
- Low to moderate speed street connecting residential areas with other streets
- Primarily or exclusively a residential street
- Exclusive pedestrian/bicycle facility

**Regional Considerations:** Identify any regional use of the roadway (Characterize how neighboring communities use the roadway, what kind of link it provides to major arterials or highways).

---

**Part III: Identification of Problem, Need or Opportunity**

**A. Condition of Existing Facilities - Problem, Need, or Opportunity**

1. Please describe the condition of the roadway, path, or other horizontal facility, such as type and extent of cracking, ride-ability, utility patching or other surface defects such as rutting, raveling, shoving, bleeding, etc. This may be based on visual inspection or automatic detection methods. Are deformations related to the pavement structure, indicating road sub-base issues? Include any PMS (Pavement Management System) ratings, PCI (Pavement Condition Index) data and/or photos, if available.

2. Please describe the condition of facility appurtenances, such as signs, signals, lighting, median barriers, guardrail, pavement markings, curbing, landscaping, fences, ITS components, etc.

---

3. Please describe any specific concerns related to the existing drainage system. If there is a history of flooding in the project area, describe the potential solutions under consideration, such as increased maintenance, repair/replacement of drainage infrastructure, raising the vertical profile, or culvert replacement, etc. Are there opportunities for improving storm water management, including drainage outfalls, within the project limits?

---

4. Please describe the condition of any other structures, or equipment (retaining walls, buildings, noise barriers, bus shelters, bike racks, etc.)

---

5. If the project/program includes a bridge or bridges, please describe the condition, such as bridge ratings, dates of inspection, weight restrictions, closings, structural adequacy, functional obsolescence, condition of other bridge elements, etc. Identify the bridge location and ID number (if known).

---

6. Please describe the condition of any existing pedestrian facilities. Include the limits and width of any existing sidewalks and identify any obstructions. Are the existing sidewalks ADA/AAB compliant? In addition, please characterize the pedestrian need, including any indication that pedestrians use the corridor beyond existing sidewalks (rutted paths, pedestrian using the roadway shoulder, etc.). ● GreenDOT

---

7. Please describe the existing bike accommodation (4' minimum shoulder width, bike lane, or shared use path), including the limits and width of any existing facility. In addition, please characterize existing bike traffic. ● GreenDOT

---

8. Identify and locate any underground utilities (water, sewer, gas, other) and overhead utilities (electric phone, cable). Identify any larger utility appurtenances, above ground or underground, such as cabinets or vaults. Identify any active or inactive railroad crossings.

---

9. Describe any repair or preventive maintenance to the roadway or appurtenances. Include the extent of the work (resurfacing, rehabilitation, reconstruction or replacement) and when the last repair was done? ● GreenDOT

---

**B. Mobility - Problem, Need, or Opportunity**

1. Please describe any existing or prospective highway congestion issues. Identify the nature and extent of congestion, including when it occurs and whether there is queuing. Include any traffic analysis, including LOS (Level of Service) data, if available. ● GreenDOT

---

2. Please describe any need or opportunity for greater connectivity or improved access along the corridor or to particular points along the facility. Identify any missing connection or constraint in access that could be improved for greater mobility. ● GreenDOT

---

3. Please identify any mobility issues for pedestrians, bicyclists and transit users. Identify if roadway is included in any local, regional or statewide bicycle routes. Include any obstacles or missing connection of existing pedestrian facilities, as well as any impediments that effect pedestrian access and mobility. Include any pedestrian or bicycle data, including bicycle LOS (Level of Service) analysis, or user count data, if available. ● GreenDOT

---

**C. Safety and Security - Problem, Need, or Opportunity**

1. Please describe any safety concerns on the facility. Provide any crash history within the project limits, including number and severity of crashes, type of crashes and whether there have been any fatalities. Include the calculated crash rate, if available.

---

2. Please describe adjacent significant activity centers (schools, senior centers, places of assembly, industrial operations, or parks). Please describe any safety issues for other users such as pedestrians, bicyclists, persons with disabilities, transit riders, trucks, school children, etc. ● GreenDOT

---

3. Please describe whether there are any known evacuation routes identified at the state, local or private level.

---

**D. Economic Development - Problem, Need, or Opportunity**

1. Please describe any current, planned, or potential economic development opportunities within the project limits, that would be supported by improvements to the facility. Do these developments reflect Smart Growth Development and Sustainable Development principles? ● GreenDOT

---

2. Identify any need or opportunity to improve access to services, promote industry clusters, facilitate affordable housing or job creation within the area. ● GreenDOT

---

**E. Environmental - Problem, Need, or Opportunity**

Please describe any need or opportunity associated with environmental aspects, as listed below. Links to guidance clarifying the resource areas are provided in brackets.

1. Wetland(s) [<http://www.mass.gov/dep/water/waterres.htm>]

---

2. Water Supply Watershed(s) [<http://www.mass.gov/dep/water/drinking/sourcewa.htm>]

---

3. Impaired Water Body(ies) [<http://www.mass.gov/dep/water/resources/10list3.pdf>]

---

4. Priority Habitat(s) [[http://www.mass.gov/dfwele/dfw/nhosp/gis\\_resources.htm](http://www.mass.gov/dfwele/dfw/nhosp/gis_resources.htm)]

---

5. Historic/Cultural/Scenic Resource(s): Are there listed or eligible properties, any archeological resources or scenic by-ways within or adjacent to the project area?

---

6. Air Quality and Greenhouse Gases: Is there a potential to reduce greenhouse gases, through construction methods; operational modifications; changes in connectivity, access, or travel behavior; or other methods? ● GreenDOT

---



7. Hazardous Materials: Are there concerns about hazardous materials within the project limits or on any adjacent properties? Could any prior use of adjacent properties be an issue?

---

**F. Community - Problem, Need, or Opportunity**

Please provide some background about the area where the facility is located and describe any need or opportunity that may be may address or impact the community or neighborhood, as outlined below.

1. Please characterize the abutting land use in the area surrounding the facility. How does the facility function within the area? Please note if some or all of the area falls within an environmental justice (EJ) area.

---

2. Are there opportunities to promote healthy transportation modes of walking, biking or transit use by improving pedestrian, bicycle or public transit infrastructure or operations? ● GreenDOT

---

3. Identify any need or opportunity to improve access to services, jobs, housing, transit or recreation for residents within the area. ● GreenDOT

---

**G. Transportation Enhancements - Problem, Need, or Opportunity**

1. Identify any need or opportunity to incorporate transportation alternatives, such as provisions and programs related to pedestrians, bicyclists or rail trail facilities or education; landscaping; scenic/historic acquisition, beautification, preservation, programs, or facilities; outdoor advertising management; archeological planning and research; environmental mitigation or wildlife mortality reduction efforts.

---

**H. Planning and Public Outreach - Problem, Need, or Opportunity**

1. Describe any Public Outreach that has occurred so far on the proposed improvements, including public informational meetings, local mailings, workshops, etc.

---

2. Are there any special needs that need to be accommodated to fully engage the public with respect to public outreach?

---

---

3. Identify any local or regional planning documents that identify the problem, need or opportunity outlined within this PNF.

---

4. Identify efforts to coordinate with relevant government agencies, including RTA(s), DCR, regulatory agencies, or neighboring municipalities.

---

**Thank you for completing this form. Please submit the PNF to the Regional MPO/RPA and the MassDOT Highway Division District office.**

**MASSDOT - HIGHWAY DIVISION**  
Project Initiation Form

Proponent: \_\_\_\_\_ Title: \_\_\_\_\_

Municipality/Organization: \_\_\_\_\_

PIF completed by: \_\_\_\_\_ Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Date: \_\_\_\_\_

**Part I – General Information**

Project Location: \_\_\_\_\_

**Project Need:** Briefly restate the primary project need or goal as developed in the Project Need Form (e.g. rehabilitate a roadway, improve safety at an intersection, reduce corridor congestion, improve pedestrian facilities, or provide bike accommodation).

**Regional Benefit:** Describe any regional benefits that would be realized should the Project Need be met.

**Part II – Project Costs and Responsibilities**

**Estimated Costs:** Provide available cost estimates or estimated cost ranges in current-year dollars and attach any cost estimate work sheets or summaries.

Estimated Construction Costs:		Estimated Other Costs:	
Construction Items:	_____	Planning/Design:	_____
Contingencies (10%):	_____	Right-of-way:	_____
Other Constr. Costs (10%):	_____	Environmental Mitigation:	_____
<b>Total Construction Cost:</b>	_____	<b>Total Other Costs:</b>	_____

**Anticipated Funding Program:**

STP	_____	CMAQ	_____	HSIP	_____
TAP	_____	NHPP	_____	HPP	_____
NFA	_____	Other	_____		_____

Indicate all potential sources of funding that may apply to the project

Project Responsibilities:	MassDOT	Community	Other (specify)
<b>Project Management</b>			
<b>Design</b>			
<b>Permitting</b>			
<b>Right of Way</b>			

**Part III: Project Description**

**A. Proposed Improvements to Facility**

**1. Scope of Work:** Describe the proposed improvements including limits of work, length of the project, major improvements, proposed cross-section, improvements to secondary assets, and related work. The description of proposed improvements to secondary assets should include improvements to curbing, sidewalks, traffic signals, signs, lighting, landscaping, drainage, walls, etc. The scope of work for a multi-use path should also identify at-grade crossing treatments.

---

**2. Proposed pavement rehabilitation:** Describe the proposed rehabilitation methods that are being considered. Keep in mind that the final pavement improvements will be identified through the development of a pavement design submitted as part of the project design process.

---

**3. Pedestrian Accommodations:** Describe how the improvements are addressing pedestrian accommodation according to ADA/AAB requirements, through improving existing facilities, improving safety and traffic calming, as well as proposing new or expanded facilities.

---

**4. Bicycle Accommodations:** Describe how the improvements are addressing bicycle accommodation through improving existing facilities, as well as proposing new or expanded facilities.

---

**5. Design Exceptions:** Identify whether any exceptions to MassDOT design criteria are anticipated.

---

**6. Alternatives Analysis:** Identify any alternatives that have been considered. Attach any pertinent information related to that analysis.

---

**7. Retention of Existing Infrastructure:** Identify efforts to retain/preserve existing Infrastructure, e.g. reuse of curbing, sidewalk, minimized/targeted vertical or horizontal geometric changes, etc. ● GreenDOT

---

**8. Potential Impacts to Utilities:** Identify any anticipated impacts or complications the proposed improvements will have on utilities.

---

**B. Mobility Improvements**

1. Describe how the proposed improvements will impact mobility. Include any traffic analysis, including LOS (Level of Service) data, if available. ● GreenDOT

---

2. Identify whether the proposed improvements will impact connectivity or access along the corridor or to facilities. If this is a new connections, include existing and proposed travel times. ● GreenDOT

---

3. Identify how the project will impact mobility for pedestrians, bicyclists and transit users. ● GreenDOT

---

**C. Safety and Security Improvements**

1. Describe any improvements that are expected to reduce the crash potential. Provide any highway safety analysis that has been completed.

---

2. Describe any improvements that are expected to improve safety for other multi-modal users such as pedestrians, bicyclists, persons with disabilities, transit riders, trucks, school children, etc. ● GreenDOT

---

3. If the project is on a designated evacuation route or NHS corridor, how will the project impact the route?

---

**D. Economic Development - Problem, Need, or Opportunity**

1. Describe any improvements that improve a business district, business related elements or support proposed economic development opportunities.

---

2. Identify improved access to services, industry clusters or job creation in the project area. Include the number of jobs to be created, if available. ● GreenDOT

---

3. Identify how the improvements reflect Smart Growth Development and Sustainable Development Principles. ● GreenDOT

---

**E. Environmental Impacts and Improvements**

Describe any improvements or impacts to the resources. Consider any storm water improvements and changes in impervious area. Identify any anticipated permitting that could be problematic.

1. Wetland(s):

---

2. Water Supply Watershed(s):

---

3. Storm Water Improvements/Impaired Waterbodies:

---

4. Priority Habitat(s):

---

5. Historic/Cultural/Scenic Resource(s):

---

6. Air Quality and Greenhouse Gases: Will the improvements impact greenhouse gases through construction methods, operational modifications, and changes in connectivity, access, or travel behavior.

● GreenDOT

---

7. Hazardous Materials: Is it anticipated that the proposed work will involve handling hazardous materials within the project limits or on any adjacent properties?

---

**F. Community Effects**

1. Identify how much right of way is anticipated to complete the project, including fee takings, permanent and temporary easements.

---

2. Describe how the project will improve/impact the neighborhood with respect to access to services, jobs, and public transit.

---

3. Describe any effect the improvements will have on the existing housing stock or potential for new housing development.

---

4. Identify any improvements that involve community planning and equitable sharing of benefits/burden or are particularly targeted within an Environmental Justice area.

---

**G. Transportation Enhancements**

1. Identify any transportation enhancements, such as pedestrians, bicyclists and transit accommodations, education; landscaping; scenic/historic acquisition, beautification, preservation, programs, or facilities; outdoor advertising management; archeological planning and research; environmental mitigation or wildlife mortality reduction efforts.

---

2. Are the proposed enhancement elements supported by the MPO?

---

**H. Planning and Public Outreach and Support**

1. Describe any additional Public Outreach that has occurred since the PNF was submitted. Include any public informational meetings, local mailings, workshops, planning documents, etc., where the proposed improvements were specifically presented to abutters, businesses and/or the general public. Include information on meeting dates, attendance, concerns, and support.

---

2. Were there any special needs that needed to be accommodated to fully engage the public with respect to public outreach?

---

**I. Maintenance**

1. Identify any improvements that involve particular long-term or ongoing maintenance implications.

---

2. Identify any improvements that will improve the environmental sustainability of the facility related to operation and maintenance.

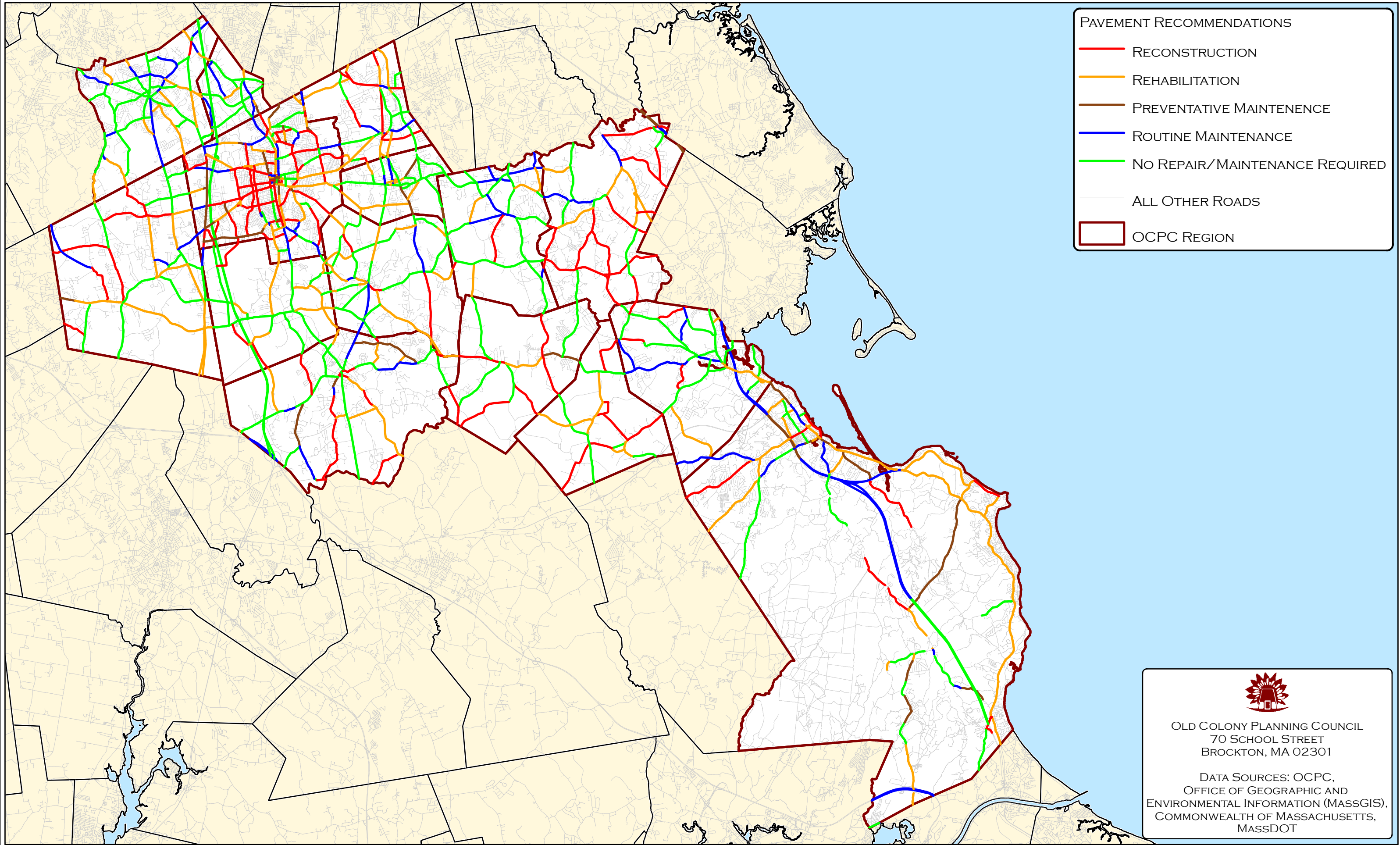
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**Thank you for completing this form. Please submit the PIF to the Regional MPO/RPA and the MassDOT Highway Division District office.**



# OCPC REGION PAVEMENT RECOMMENDATIONS

FIGURE 4-2

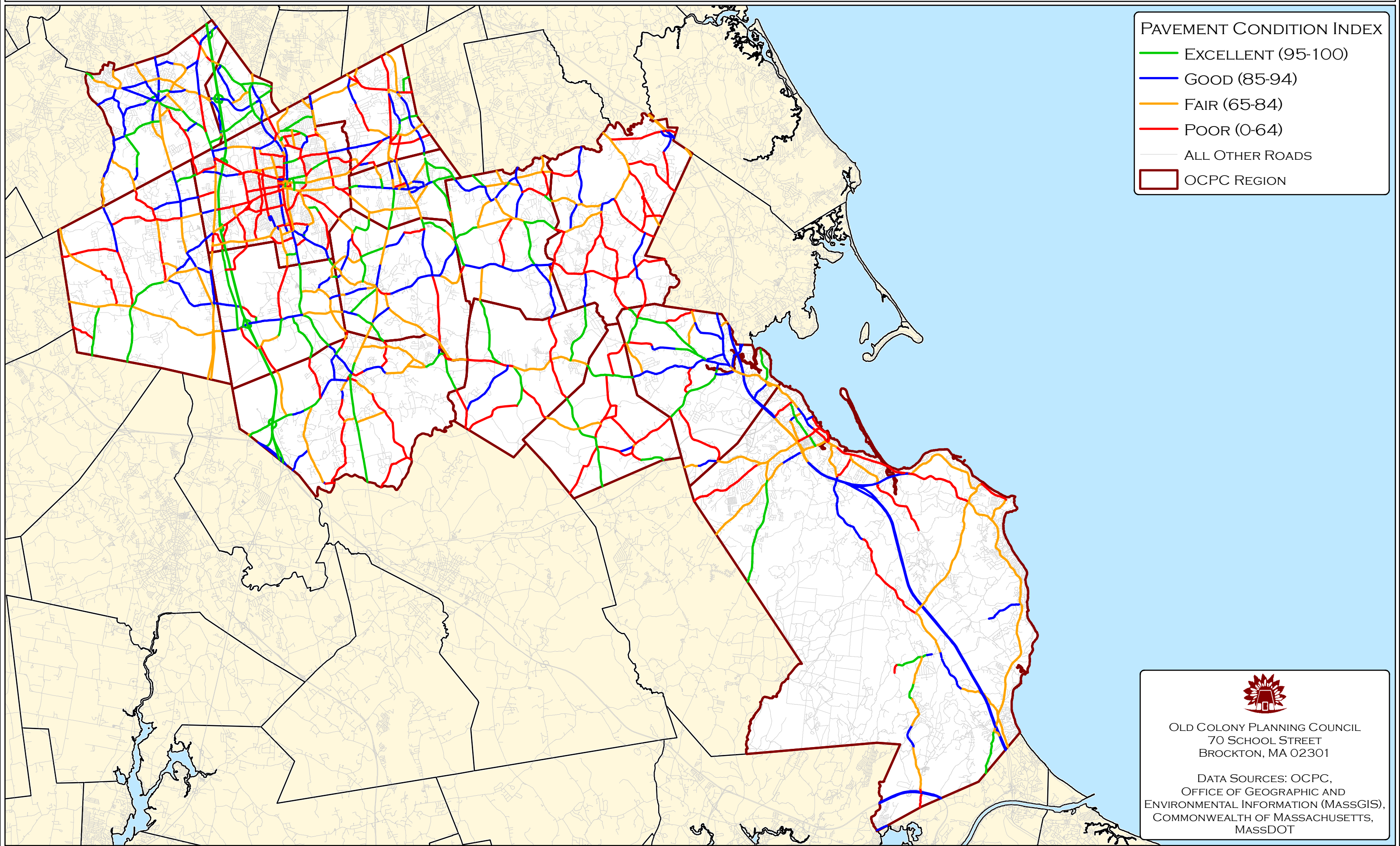


OLD COLONY PLANNING COUNCIL  
70 SCHOOL STREET  
BROCKTON, MA 02301

DATA SOURCES: OCPC,  
OFFICE OF GEOGRAPHIC AND  
ENVIRONMENTAL INFORMATION (MASSGIS),  
COMMONWEALTH OF MASSACHUSETTS,  
MASSDOT

# PAVEMENT CONDITIONS IN THE OCPC REGION

FIGURE 4-1



**PAVEMENT CONDITION INDEX**

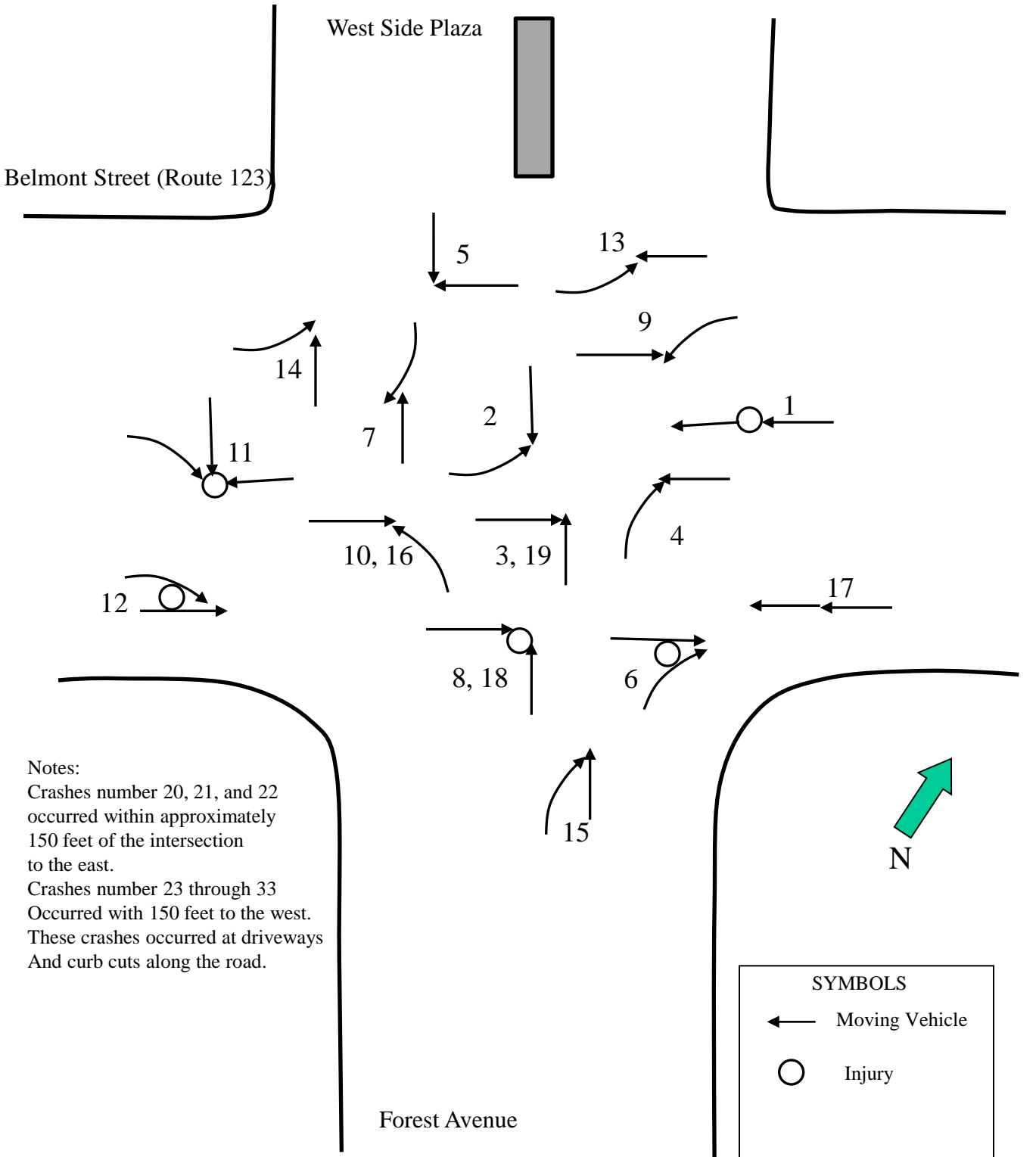
- EXCELLENT (95-100)
- GOOD (85-94)
- FAIR (65-84)
- POOR (0-64)
- ALL OTHER ROADS
- OCPC REGION



OLD COLONY PLANNING COUNCIL  
70 SCHOOL STREET  
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DATA SOURCES: OCPC,  
OFFICE OF GEOGRAPHIC AND  
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MASSDOT

**COLLISION DIAGRAM**  
**Belmont Street/Forest Avenue/West Side Plaza**  
 Collision Diagram for Crashes (2009, 2010, 2011) Prepared by  
 OCPC (RG) (source: MassDOT) March 28, 2013



Notes:  
 Crashes number 20, 21, and 22 occurred within approximately 150 feet of the intersection to the east.  
 Crashes number 23 through 33 Occurred with 150 feet to the west. These crashes occurred at driveways And curb cuts along the road.

**SYMBOLS**

- ← Moving Vehicle
- Injury

**COLLISION DIAGRAM**  
**Belmont Street/Forest Avenue/West Side Plaza**  
**Collision Diagram for Crashes (2009, 2010, 2011) Prepared by**  
**OCPC (RG) (source: MassDOT) March 28, 2013**

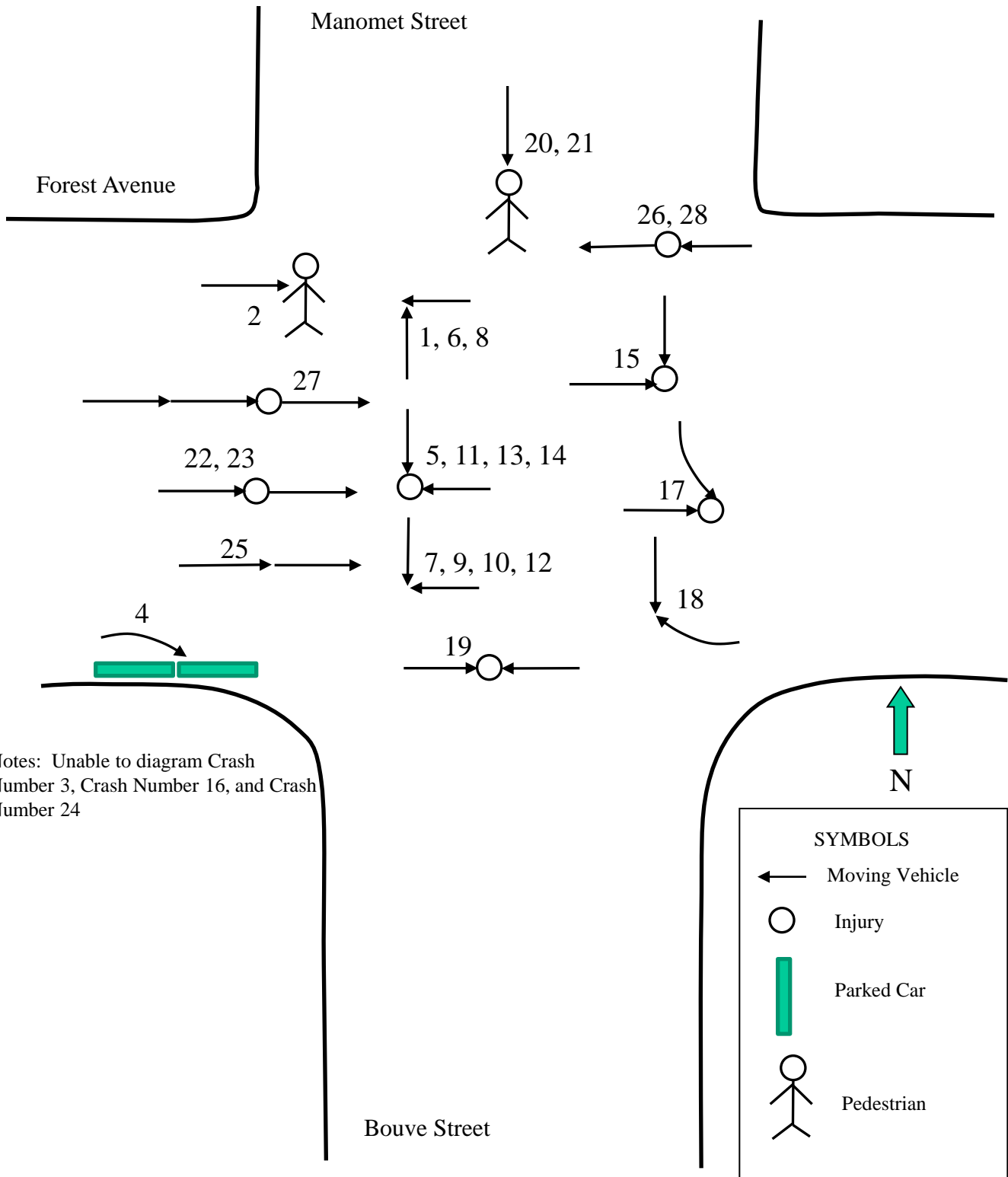
<b>Crash Num</b>	<b>Crash Location</b>	<b>Crash Date</b>	<b>Crash Time</b>	<b>Road Surface Condition</b>	<b>Ambient Light</b>	<b>Weather Condition</b>	<b>Crash Type</b>
1	At Intersection	24-Feb-2009	10:53 PM	Dry	Dark - lighted roadway	Clear	Rear end
2	At Intersection	18-Feb-2009	7:43 PM	Snow	Dark - lighted roadway	Blowing sand, snow	Angle
3	At Intersection	19-Apr-2009	10:32 PM	Dry	Dark - lighted roadway	Clear	Angle
4	At Intersection	03-Oct-2009	12:22 PM	Wet	Daylight	Rain/Cloudy	Angle
5	At Intersection	04-Jan-2010	12:01 PM	Wet	Daylight	Clear	Angle
6	At Intersection	19-Jan-2010	5:11 PM	Wet	Dark - lighted roadway	Rain/Snow	Sideswipe
7	At Intersection	10-Feb-2010	2:54 PM	Wet	Daylight	Rain/Snow	Angle
8	At Intersection	14-Feb-2010	8:15 PM	Dry	Dark - lighted roadway	Clear	Angle
9	At Intersection	24-Feb-2010	6:29 PM	Wet	Dark - lighted roadway	Rain	Angle
10	At Intersection	02-Jul-2010	1:36 PM	Dry	Daylight	Clear	Angle
11	At Intersection	15-Jul-2010	7:33 AM	Dry	Daylight	Cloudy	Angle
12	At Intersection	2/10/2011	2:13 PM	Dry	Daylight	Clear	Angle
13	At Intersection	4/1/2011	7:01 AM	Wet	Daylight	Rain	Angle
14	At Intersection	4/27/2011	3:22 PM	Dry	Daylight	Cloudy	Angle
15	At Intersection	5/30/2011	8:28 PM	Dry	Dark - lighted roadway	Clear	Sideswipe
16	At Intersection	5/21/2011	1:31 PM	Dry	Daylight	Clear	Angle
17	At Intersection	6/1/2011	7:36 PM	Wet	Dusk	Cloudy/Rain	Rear end
18	At Intersection	6/22/2011	5:54 PM	Wet	Daylight	Rain	Angle
19	At Intersection	8/12/2011	1:47 AM	Dry	Dark - lighted roadway	Clear	Angle
20	east 150 feet	17-Apr-10	1:11 PM				Angle
21	east 150 feet	4-Nov-10	1:01 PM	Wet	Daylight	Rain	Angle
22	east 150 feet	13-Dec-10	4:04 PM				Angle
23	west 20 feet	4/20/2011	2:12 PM	Dry	Daylight	Cloudy/Other	Angle
24	150 feet west	02-Jan-2009	4:58 PM	Wet	Dark - lighted roadway	Clear	Angle
25	150 feet west	23-Jun-2009	10:53 AM	Wet	Daylight	Rain	Angle
26	150 feet west	14-Jul-2009	5:30 PM	Dry	Daylight	Clear	Bicyclist
27	150 feet west	14-Aug-2009	3:35 PM	Dry	Daylight	Clear	Angle
28	150 feet west	19-Nov-2009	6:29 PM	Dry	Daylight	Clear/Other	Fixed Object
29	150 feet west	09-Sep-2010	6:43 PM	Dry	Dark - lighted roadway	Clear	Angle
30	150 feet west	29-Oct-2010	4:04 PM	Dry	Daylight	Clear	Angle
31	150 feet west	26-Dec-2010	1:04 PM	Snow	Daylight	Snow/Sleet, hail	Angle
32	150 feet west	6/3/2011	3:43 PM	Dry	Daylight	Clear	Angle
33	150 feet west	8/28/2011	9:06 AM	Wet	Daylight	Rain/Other	Angle



**COLLISION DIAGRAM**  
**Forest Avenue at Warren Avenue**  
**Collision Diagram for Crashes (2009, 2010, 2011) Prepared by**  
**OCPC (RG) (source: MassDOT) April 15, 2013**

	Crash Date	Crash Time	Road Surface Condition	Ambient Light	Weather Condition	Type
1	03-Nov-2009	6:52 PM	Dry	Dark - lighted roadway	Clear	Angle
2	07-Mar-2009	12:30 PM	Dry	Daylight	Clear	Angle
3	06-Jul-2010	2:33 PM	Dry	Daylight	Clear	Angle
4	29-Jul-2010	9:53 AM	Wet	Daylight	Rain/Other	Angle
5	18-Aug-2010	7:52 PM	Dry	Dusk	Clear	Angle
6	04-Sep-2010	00:00 AM	Wet	Dark - lighted roadway	Rain	Angle
7	04-Apr-2009	8:12 AM	Dry	Daylight	Clear/Cloudy	Angle
8	10-Aug-2009	6:58 AM	Dry	Daylight	Rain	Angle
9	01-Nov-2009	11:52 PM	Wet	Dark - lighted roadway	Cloudy	Angle
10	26-Nov-2009	10:37 AM	Dry	Daylight	Cloudy	Angle
11	14-Dec-2009	12:48 PM	Wet	Dark - lighted roadway	Clear	Angle
12	5/14/2011	2:40 PM	Dry	Daylight	Clear	Angle
13	5/22/2011	5:17 PM	Dry	Daylight	Cloudy	Angle
14	7/13/2011	9:59 PM	Wet	Dark - lighted roadway	Rain/Cloudy	Angle
15	10/22/2011	7:38 PM	Dry	Dark - lighted roadway	Clear	Angle
16	12/28/2011	8:31 AM	Dry	Daylight	Clear	Angle
17	17-Sep-2010	10:05 AM	Wet	Daylight	Rain	Angle
18	5/28/2011	6:23 PM	Dry	Daylight	Clear	Angle
19	13-Sep-2010	4:11 PM	Dry	Daylight	Cloudy	Angle
20	22-Aug-2010	8:12 PM	Wet	Dark - lighted roadway	Rain	Bicycle
21	21-Feb-2010	10:13 PM	Dry	Daylight	Clear	Head-on
22	30-Jun-2009	4:45 PM	Dry	Daylight	Clear	Not Reported
23	17-Nov-2009	1:25 PM	Dry	Daylight	Clear	Rear-end
24	01-Nov-2010	5:49 PM	Dry	Dark - lighted roadway	Clear	Rear-end
25	01-Apr-2009	7:36 AM	Dry	Daylight	Cloudy	Rear-end
26	24-Aug-2010	4:09 PM	Wet	Daylight	Rain	Rear-end
27	23-Jan-2010	2:41 AM	Ice	Dark - lighted roadway	Clear	Rear-end
28	15-Mar-2010	7:43 PM	Wet	Dark - lighted roadway	Rain/Cloudy	Rear-end
29	05-Sep-2009	12:04 PM	Dry	Daylight	Clear	Rear-end
30	17-Jan-2010	4:03 AM	Dry	Dark - lighted roadway	Clear	Rear-end
31	10-Jul-2010	1:01 PM	Dry	Daylight	Clear	Rear-end
32	08-Dec-2009	9:01 PM	Dry	Daylight	Clear	Sideswipe
33	10/22/2011	8:31 PM	Dry	Dark - lighted roadway	Clear	Sideswipe
34	4/2/2011	8:56 PM	Dry	Dark - lighted roadway	Clear	Sideswipe
35	5/15/2011	2:12 AM	Dry	Dark - lighted roadway	Clear	Single Veh
36	07-Dec-2009	9:15 AM	Dry	Daylight	Clear	Single Veh
37	30-Aug-2009	1:30 PM	Sand, mud, dirt, oil, gravel	Daylight	Clear	Single Veh

**COLLISION DIAGRAM**  
**Forest Avenue at Manomet Street/Bouve Street**  
**Collision Diagram for Crashes (2009, 2010, 2011) Prepared by**  
**OCPC (RG) (source: MassDOT) April 15, 2013**



Notes: Unable to diagram Crash Number 3, Crash Number 16, and Crash Number 24

## COLLISION DIAGRAM

Forest Avenue at Manoment Street/Bouve Street  
Collision Diagram for Crashes (2009, 2010, 2011) Prepared by  
OCPC (RG) (source: MassDOT) April 15, 2013

	Crash Date	Crash Time	Road Surface Condition	Ambient Light	Weather Condition	Type
1	11/13/2011	7:55 AM	Dry	Daylight	Clear	Angle
2	15-Apr-2010	7:08 AM	Dry	Daylight	Clear	Angle
3	25-May-2010	6:11 PM	Dry	Daylight	Clear	Angle
4	9/26/2011	4:10 PM	Dry	Daylight	Clear	Angle
5	13-Feb-2010	1:31 PM	Dry	Daylight	Clear	Angle
6	26-May-2010	3:50 PM	Dry	Daylight	Clear/Overcast	Angle
7	12-Sep-2010	1:28 PM	Dry	Daylight	Cloudy	Angle
8	23-Oct-2010	4:10 AM	Dry	Dark - lighted roadway	Clear	Angle
9	22-Jan-2009	2:44 PM	Dry	Daylight	Clear	Angle
10	06-Sep-2009	4:57 PM	Dry	Daylight	Clear	Angle
11	18-Sep-2009	2:38 PM	Dry	Daylight	Clear	Angle
12	6/28/2011	8:08 PM	Dry	Daylight	Clear	Angle
13	7/1/2011	1:56 PM	Dry	Daylight	Cloudy	Angle
14	8/25/2011	00:00 AM	Dry	Daylight	Clear	Angle
15	9/18/2011	11:50 AM	Dry	Daylight	Clear	Angle
16	11/26/2011	3:04 PM	Dry	Daylight	Clear	Angle
17	25-Nov-2009	1:34 PM	Dry	Daylight	Cloudy	Angle
18	06-Mar-2010	4:12 PM	Dry	Daylight	Clear	Angle
19	4/5/2011	4:25 PM	Wet	Daylight	Rain	Head-on
20	18-Oct-2010	2:23 PM	Dry	Daylight	Clear	Pedestrian
21	14-May-2009	3:56 PM	Wet	Daylight	Rain	Pedestrian
22	23-Jun-2009	11:27 AM	Wet	Daylight	Cloudy	Rear-end
23	13-Nov-2009	3:11 PM	Dry	Daylight	Clear/Cloudy	Rear-end
24	09-Sep-2009	2:50 AM	Dry	Daylight	Clear	Rear-end
25	9/7/2011	8:42 AM	Wet	Daylight	Rain	Rear-end
26	04-Nov-2009	3:34 PM	Dry	Daylight	Clear	Rear-end
27	30-Oct-2010	1:13 PM	Dry	Daylight	Clear	Rear-end
28	07-Feb-2010	8:51 PM	Dry	Dark - lighted roadway	Clear	Rear-end