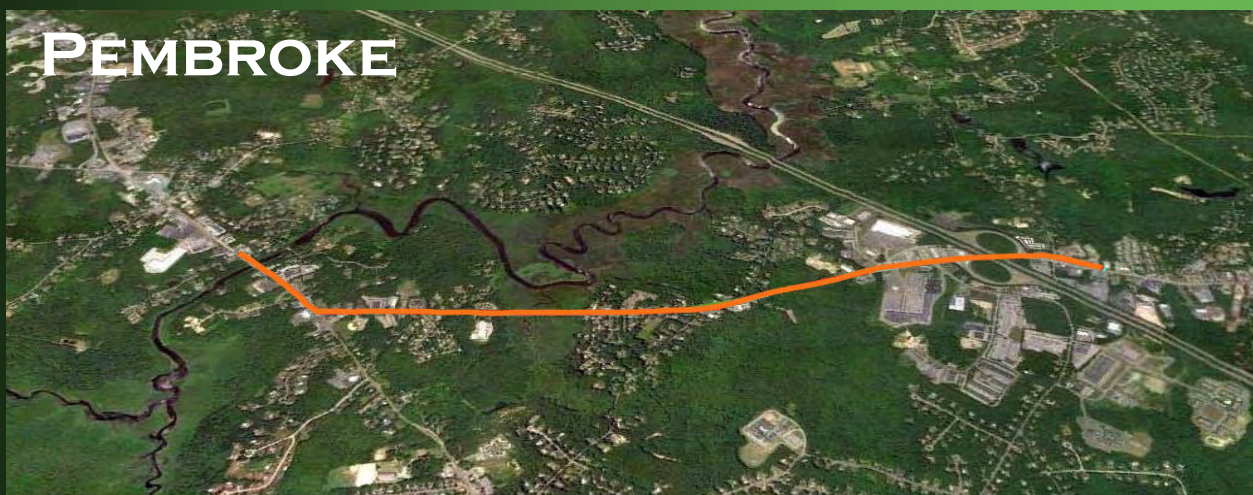
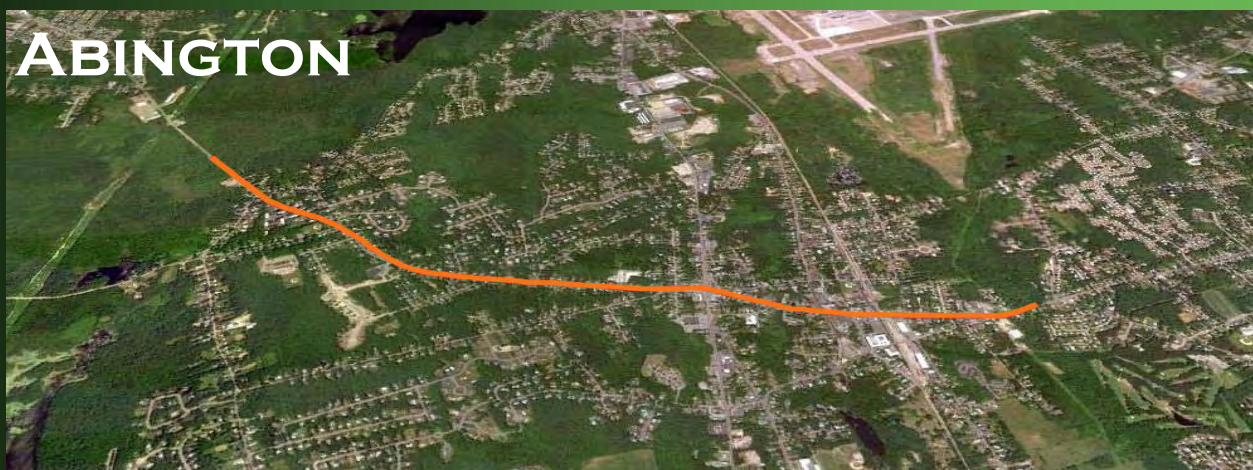
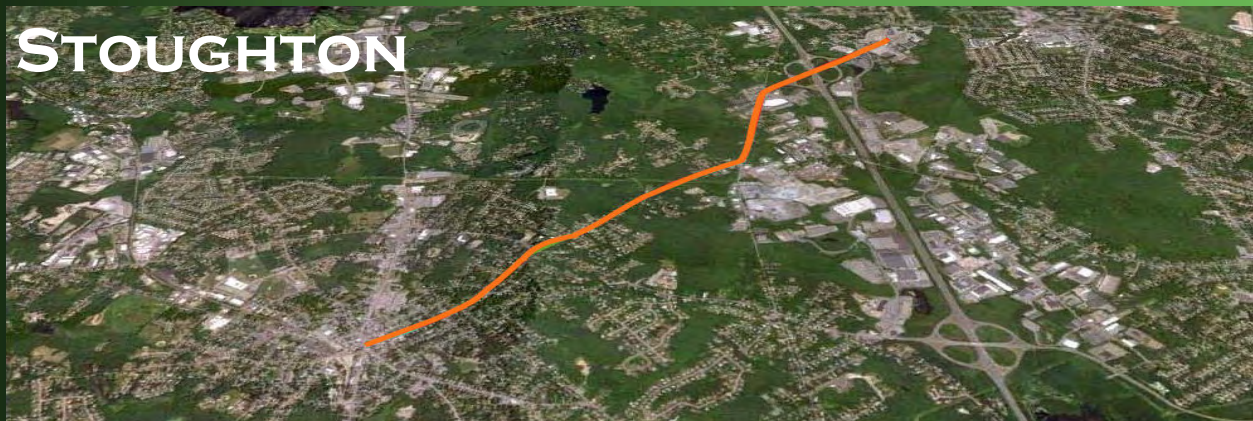


ROUTE 139 CORRIDOR STUDY



OLD COLONY PLANNING COUNCIL,
70 SCHOOL STREET, BROCKTON, MA 02301

WWW.OCPCRPA.ORG

PREPARED UNDER MASSDOT CONTRACT # 0052455

SEPTEMBER, 2010

Route 139 Corridor Study

STOUGHTON – ABINGTON - PEMBROKE

September 2010



Old Colony Planning Council

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This report was prepared under Contract with the Massachusetts Department of Transportation and with the cooperation of the Office of Transportation Planning, and the Federal Highway Administration under contract 0052455.

The views and opinions of the Old Colony Planning Council expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation.

This Planning Level Traffic Study was prepared by the following members of the Old Colony Planning Council staff under the direction of Pat Ciaramella, Executive Director, and the supervision of Charles Kilmer, Transportation Program Manager.



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I INTRODUCTION

Purpose of Study

The Route 139 Corridor Study was initiated as part of the Old Colony Unified Planning Work Program (UPWP). The purpose of the study is to identify traffic flow and circulation problems, safety deficiencies, and general problems and concerns within the Route 139 corridor in the Old Colony Planning Council (OCPC) communities of Stoughton, Abington, and Pembroke. Strategies and specific recommendations based on the study findings and stakeholder meetings have been developed to improve traffic flow efficiency within the corridor. This study focuses on key intersections, signalized and un-signalized, as well as on the road corridor itself, and includes data and analysis for non-motorized travel (pedestrian and bicycle).

Methodology and Public Participation

This study includes traffic data collection (48-hour counts and peak hour turning movements), an inventory of physical conditions (pavement width, lane use, traffic control, etc.), a review of land use and community goals, pavement conditions, pedestrian and bicycle accommodations, and a review and analysis of crash data within the corridor. In addition, traffic forecasts and level-of-service analyses for existing and future (five-year horizon) peak hour conditions were performed for this study. Traffic analyses were completed utilizing standard practices published in the Institute of Transportation Engineers' [Highway Capacity Manual](#). Traffic analysis software was used to complete this study including SYNCHRO, and SimTraffic. In addition to data collection completed by OCPC, crash information was obtained from the Massachusetts Department of Transportation (MassDOT).

A public participation plan was developed to provide a cooperative study effort between OCPC, MassDOT, MassDOT Transportation Planning, the local communities, and the public. Periodic updates on the study progress were provided to the Old Colony Joint Transportation Committee (JTC) and the Old Colony Metropolitan Planning Organization (MPO). OCPC staff held stakeholder meetings in the Towns of Stoughton (May 5, 2010), Abington (April 7, 2010), and Pembroke (March 30, 2010) to provide input opportunities for the study area communities and the public. The alternatives, suggestions, and needs of the local communities, based on the stakeholder meetings have been incorporated in the final report.

Study Area

Route 139 extends east from Route 138 in Downtown Stoughton to Duxbury in southeastern Massachusetts. The geographic scope of this study includes Route 139 in the OCPC region only, which includes the Route 139 corridor in the communities of Stoughton, Abington and Pembroke. The study area is shown in Figure 1.

Route 139 in Stoughton is an undivided, two lane highway under town jurisdiction from the town center to Hawes Way. At Hawes Way, Route 139 is a four lane highway with a center median to the Randolph line, where it intersects the ramps at Route 24 at Exit 20. It is under state



jurisdiction from Hawes Way east to the Randolph Town Line. Route 139 is classified as a principal arterial in Stoughton.

In Abington, Route 139 is a two lane highway under town jurisdiction. It is classified as a principal arterial from the Randolph Town Line east to Route 18. East of Route 18, it is classified as a minor arterial to the Rockland Town Line.

In Pembroke, Route 139 is under MassDOT jurisdiction and is classified as a principal arterial. It is mainly a two lane highway; however, it has four lanes between the Marshfield Town Line and Riverside Drive (Lowes Plaza). This four-lane section intersects with the Route 3 ramps at Exit 12.

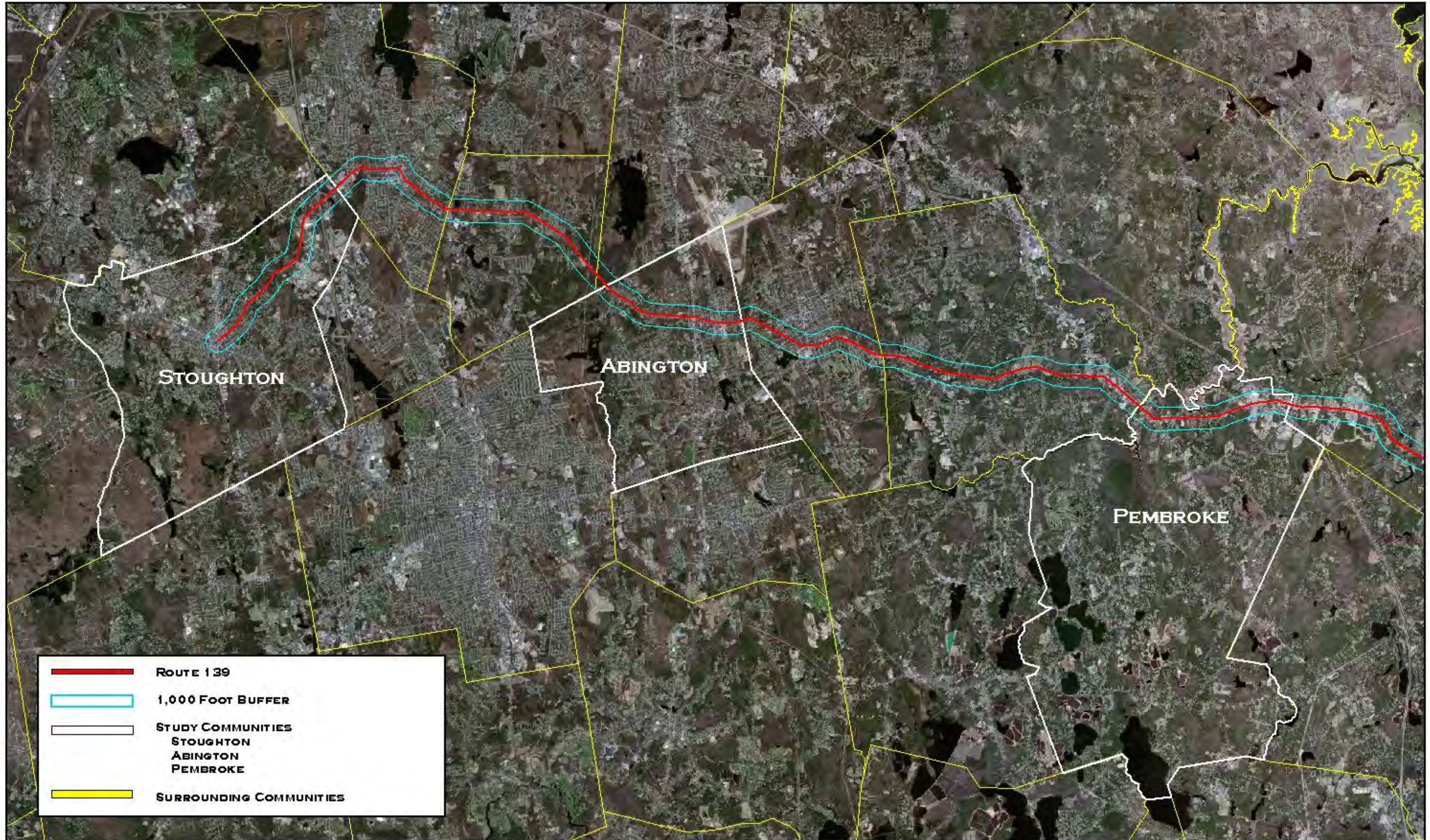
Route 139 provides east-west access in Southeastern Massachusetts intersecting two limited access highways, Route 24 at Exit 20 in Stoughton, and Route 3 at Exit 12 in Pembroke. Route 139 provides east-west access between Downtown Stoughton, where it intersects Route 27 and Route 138, to Route 24. Route 139 continues to the east beyond Route 24 Exit 20 to connect with Route 28 in Randolph, Route 18 and Route 58 in Abington, Route 53 in Hanover, Route 3 Exit 12 in Pembroke, and Route 3A in Marshfield and Duxbury.

As an arterial road, Route 139 is eligible for funding under the federal statute. Federal funding programs require a state 20 percent funding match to an 80 percent federal funding. Route 139 in Pembroke comprises a portion of the National Highway System.

ROUTE 139 CORRIDOR STUDY, 2009 ORTHO PHOTO



FIGURE 1



	ROUTE 139
	1,000 FOOT BUFFER
	STUDY COMMUNITIES STOUGHTON ABINGTON PEMBROKE
	SURROUNDING COMMUNITIES



OLD COLONY PLANNING COUNCIL, 70 SCHOOL STREET, BROCKTON, MA 02301
GIS DATA SOURCES: MASSGIS, MASSDOT, OCPC

0 1 2 3 4 5 MILES

SEPTEMBER, 2010



II EXISTING CONDITIONS

Roadway Characteristics

The width of Pleasant Street (Route 139) in Stoughton, east of Downtown Stoughton, varies between 30 and 34 feet and consists of two twelve foot travel lanes. It has one to two foot shoulders with sidewalks along both sides of the road between Downtown Stoughton and Prospect Street, and the sidewalk continues along the westbound side to the vicinity of Old Maple Street. Parking is allowed on the south side for a short 200 foot distance just east of Capen Street near Downtown Stoughton.



Photo: Pleasant Street (Route 139) looking west toward Downtown Stoughton

The adjacent land use is densely settled residential and the speed limit is posted at 30 miles per hour. The posted speed limit is increased to 35 and 40 miles per hour further east from Downtown Stoughton. The sidewalks on both sides of the road begin again just at the Pleasant Street/Turnpike Street intersection and continue along Turnpike Street (Route 139) east to Hawes

Way. Turnpike Street (Route 139) has two travel lanes and six to eight foot shoulders from the Pleasant Street/Turnpike Street intersection to Page Street. East of Page Street, Route 139 provides four lanes and a center median east of Hawes Way as it intersects Route 24 Interchange 20 and traverses over Route 24. The land use along Turnpike Street (Route 139) is commercial, with direct access to and from retail plazas in the corridor. Adjacent to Route 139 on the east side of Route 24, at the Randolph Town Line, the land use is mixed including office as well as retail development.



Photo: Randolph Street (Route 139) looking east in Abington

Randolph Street (Route 139) in Abington is approximately 45 feet wide with two travel lanes and six to eight foot shoulders on both sides of the road. It has sidewalks on the north side of the road beginning at the Weymouth town-line; however, beginning at Chestnut Street and extending east, there are sidewalks on both sides of the road to the Rockland Town Line for most of the length of Route 139 in Abington. The speed limit is

posted at 40 miles per hour on Randolph Street (Route 139) and 35 miles per hour on North Avenue (Route 139) east of Route 58. The land use along Randolph Street (Route 139) is mainly



residential, interspersed with commercial parcels; however, commercial retail development is clustered at the Route 139/Route 18 intersection. In addition, North Avenue (Route 139) traverses the North Abington Village Business District, which extends from the Route 139/Route 58 intersection east to the Rockland Town Line.



Photo: North Avenue (Route 139) looking east in the North Abington Village Business District

Improvements to the area are currently under construction through a Public Works Economic Development (PWED) grant. These improvements include repaving North Avenue (Route 139); reconstructing and re-designing the traffic island at the North Avenue (Route 139)/Birch Street intersection to reduce crashes; improve sidewalks and walkways to satisfy compliance with the

Americans With Disabilities Act; adding brick stamped concrete designs to crosswalks; adding decorative street light fixtures; landscaping and aesthetics improvements; and upgrading traffic signals at the Route 139 and Route 58 intersection (including an audio signal for sight impaired pedestrians).

Columbia Road is designated as Route 139 and Route 53 in Pembroke. It is approximately 30 feet wide with two travel lanes and two to three foot shoulder along both sides of the road. The adjacent land use along Columbia Road consists of commercial retail plaza development. The combined Route 139/Route 53 designation separates at the intersection of Washington Street and Schoosett Street as Route 139 continues along Schoosett Street. Schoosett Street (Route 139) provides two travel lanes with four to six foot shoulders along both sides of the road and a sidewalk along the eastbound side of the road. The land use transitions to mainly residential. The speed limit is posted at 45 miles per hour.



Photo: Church Street (Route 139) in Pembroke, looking west

Route 139 continues east in Pembroke as Church Street from Schoosett Street. Church Street (Route 139) provides two 12 foot travel lanes with four to six foot shoulders on both sides of the road, and a sidewalk on the south side extending east from Schoosett Street to Riverside Drive. From Riverside Drive east, Route 139 provides four travel lanes as it connects to Route 3 Exit 12. The land use along this section of Route 139 is mainly



commercial retail development consisting of retail plazas, service stations, and restaurants. East of Route 3, Route 139 provides a central two way turning line for vehicles turning left into businesses adjacent to the highway.

Land Use

Land use along the majority of Route 139 through Stoughton, Abington, and Pembroke is residential; however, commercial retail areas, industrial nodes, and village centers are also located along the corridor. The proximity of retail centers and industrial centers to residential homes along Route 139 provides some opportunity for non-motorized trips by residents for work, goods, and services. Additionally, the Stoughton Commuter Rail Station and the Pembroke Park-and-Ride facility provide commuting options into Boston.

Figure 2 shows the nodal development in the Route 139 corridor. Figures 3, 4, and 5 show the land use in the study area Towns of Stoughton, Abington, and Pembroke. In Stoughton, Route 139 provides access to Stoughton's central business district. East of Downtown Stoughton, the adjacent land use is residential. Turnpike Street (Route 139) traverses an important industrial node adjacent to Route 24 in Stoughton and Avon.

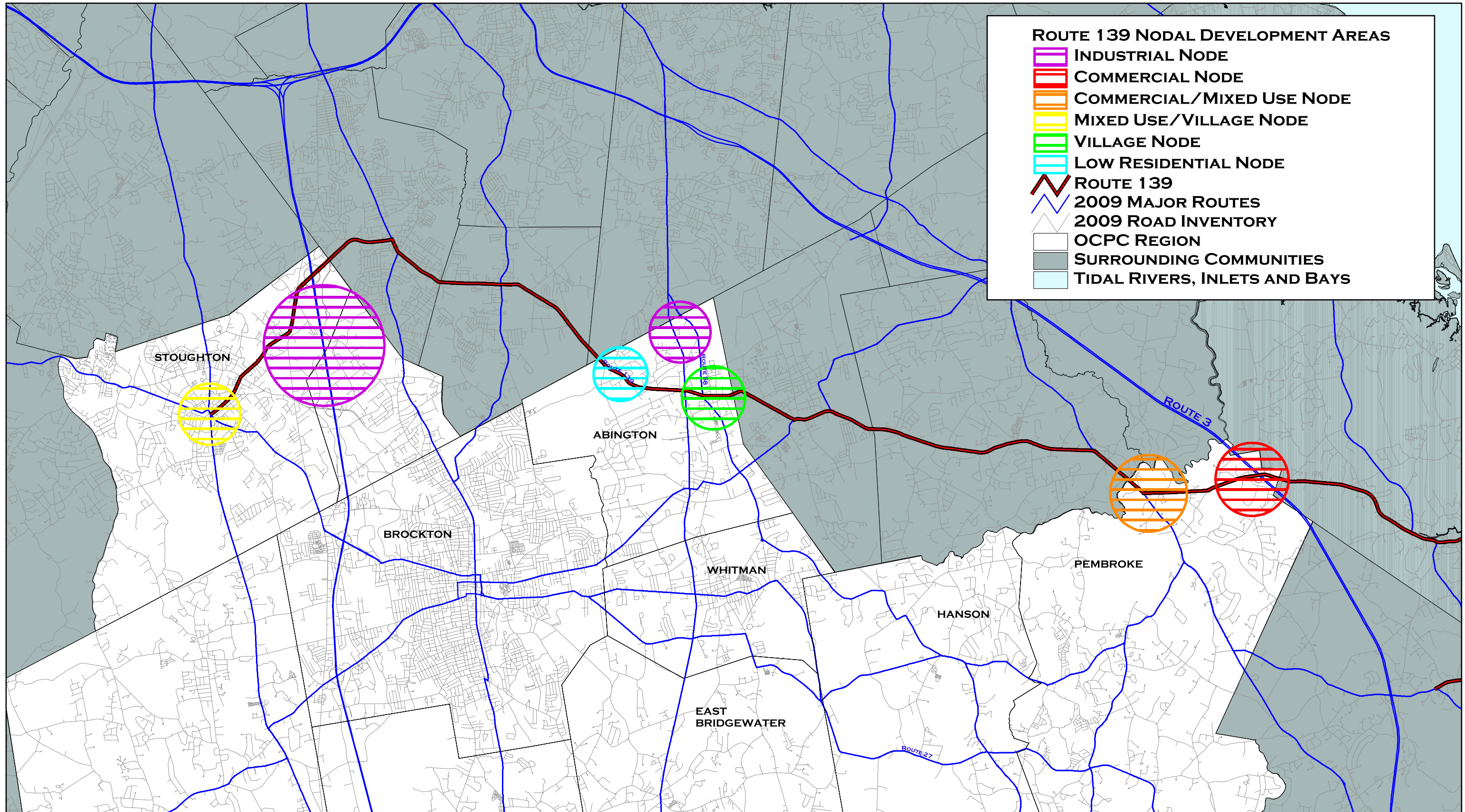
In Abington, Randolph Street (Route 139) is mainly low density residential; however, North Avenue (Route 139) east of Route 18 traverses the North Abington Village Business District. In addition, there is an industrial node in north Abington accessible from Route 139 via Route 18 and/or Route 58.

In Pembroke, there are two commercial nodes, one surrounding the junction of Route 139 and Route 53 (this area includes mixed uses such as office uses) and another along Route 139 at the Route 3 Interchange. This area consists mainly of commercial retail development including gasoline stations, restaurants and mixed retail.

NODAL DEVELOPMENT ALONG ROUTE 139 IN THE OCPC REGION



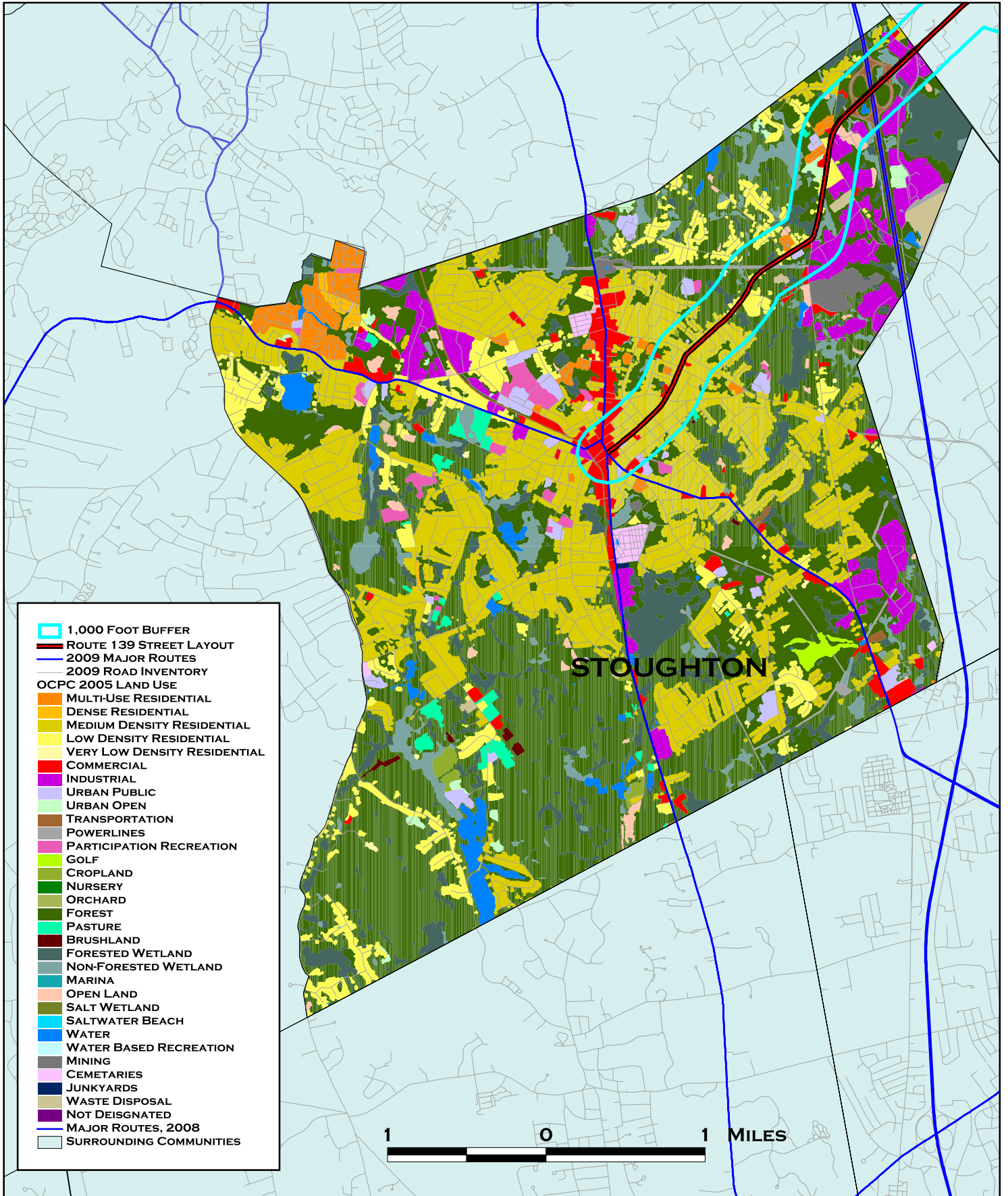
FIGURE 2



STOUGHTON LAND USE



FIGURE 3



- ▬ 1,000 FOOT BUFFER
- ▬ ROUTE 139 STREET LAYOUT
- ▬ 2009 MAJOR ROUTES
- ▬ 2009 ROAD INVENTORY
- OCPC 2005 LAND USE**
- ▬ MULTI-USE RESIDENTIAL
- ▬ DENSE RESIDENTIAL
- ▬ MEDIUM DENSITY RESIDENTIAL
- ▬ LOW DENSITY RESIDENTIAL
- ▬ VERY LOW DENSITY RESIDENTIAL
- ▬ COMMERCIAL
- ▬ INDUSTRIAL
- ▬ URBAN PUBLIC
- ▬ URBAN OPEN
- ▬ TRANSPORTATION
- ▬ POWERLINES
- ▬ PARTICIPATION RECREATION
- ▬ GOLF
- ▬ CROPLAND
- ▬ NURSERY
- ▬ ORCHARD
- ▬ FOREST
- ▬ PASTURE
- ▬ BRUSHLAND
- ▬ FORESTED WETLAND
- ▬ NON-FORESTED WETLAND
- ▬ MARINA
- ▬ OPEN LAND
- ▬ SALT WETLAND
- ▬ SALTWATER BEACH
- ▬ WATER
- ▬ WATER BASED RECREATION
- ▬ MINING
- ▬ CEMETARIES
- ▬ JUNKYARDS
- ▬ WASTE DISPOSAL
- ▬ NOT DESIGNATED
- ▬ MAJOR ROUTES, 2008
- ▬ SURROUNDING COMMUNITIES

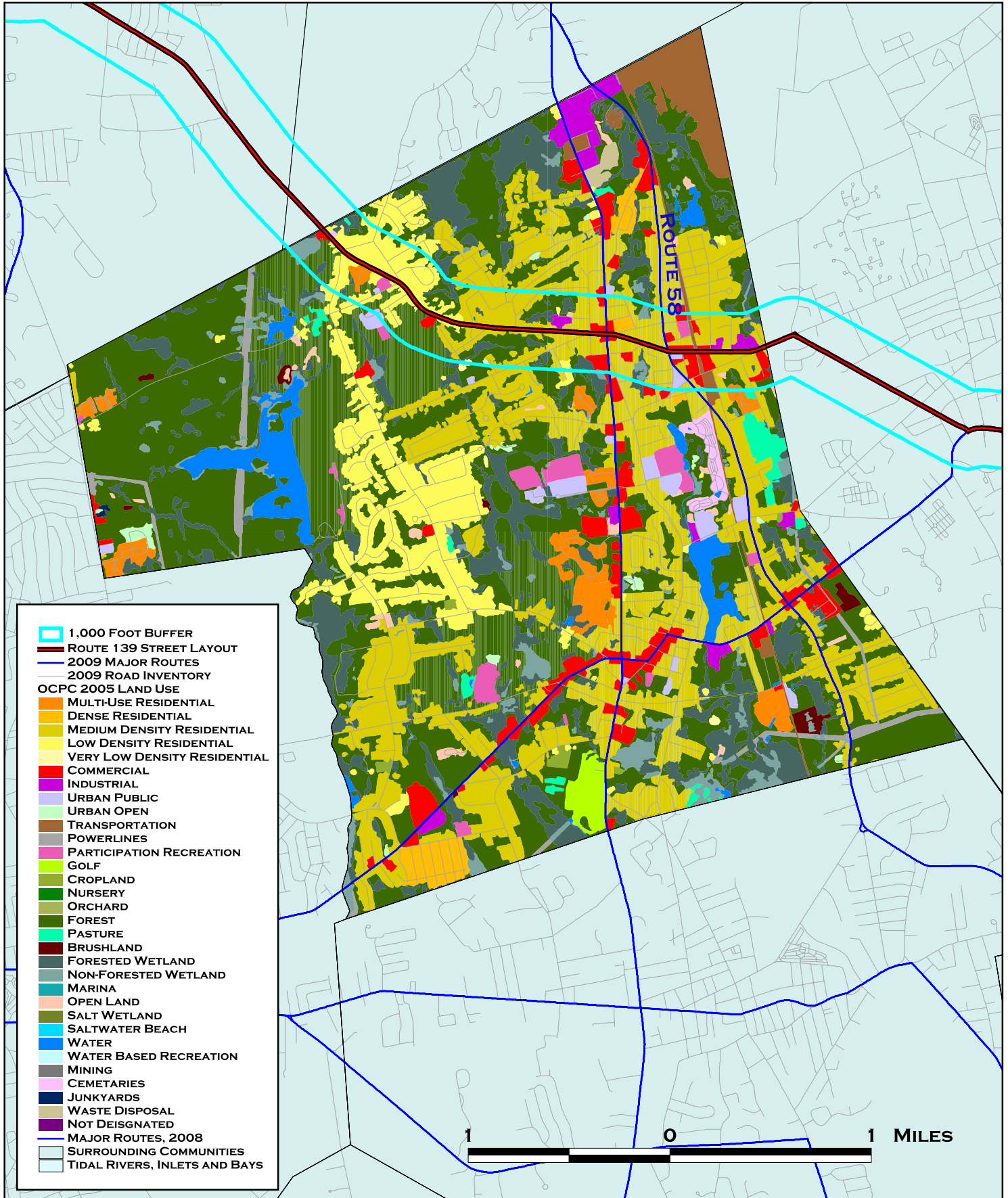


ABINGTON

LAND USE



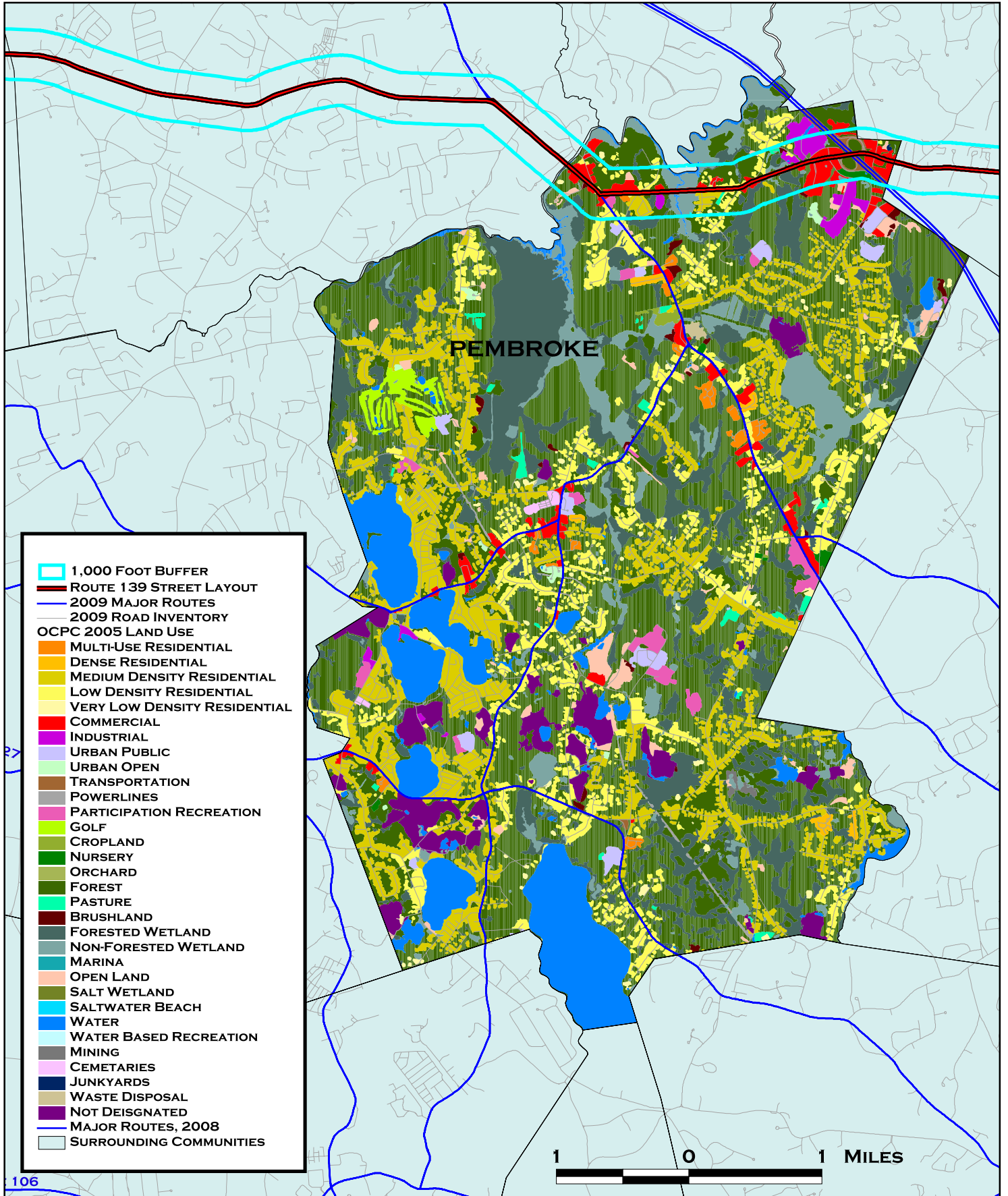
FIGURE 4



PEMBROKE LAND USE



FIGURE 5



- 1,000 FOOT BUFFER
- ROUTE 139 STREET LAYOUT
- 2009 MAJOR ROUTES
- 2009 ROAD INVENTORY
- OCPC 2005 LAND USE
 - MULTI-USE RESIDENTIAL
 - DENSE RESIDENTIAL
 - MEDIUM DENSITY RESIDENTIAL
 - LOW DENSITY RESIDENTIAL
 - VERY LOW DENSITY RESIDENTIAL
 - COMMERCIAL
 - INDUSTRIAL
 - URBAN PUBLIC
 - URBAN OPEN
 - TRANSPORTATION
 - POWERLINES
 - PARTICIPATION RECREATION
 - GOLF
 - CROPLAND
 - NURSERY
 - ORCHARD
 - FOREST
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 - BRUSHLAND
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 - NON-FORESTED WETLAND
 - MARINA
 - OPEN LAND
 - SALT WETLAND
 - SALTWATER BEACH
 - WATER
 - WATER BASED RECREATION
 - MINING
 - CEMETARIES
 - JUNKYARDS
 - WASTE DISPOSAL
 - NOT DESIGNATED
- MAJOR ROUTES, 2008
- SURROUNDING COMMUNITIES

1 0 1 MILES





Route 139 Mainline Traffic

Old Colony Planning Council (OCPC) utilized automatic traffic recorders (ATR) to determine the average daily traffic (ADT) for a 24-hour period at specific locations on Route 139. The automatic recorders are installed on the road for a minimum 48-hour period and record traffic in both directions in one-hour intervals. The automatic recorders also record vehicle speeds and the number of heavy vehicles in the traffic stream. Where ATR data wasn't available, average daily traffic was estimated using peak hour volumes obtained from manual turning movement counts. The automatic recorder count data sets are included in the appendix to this study.

Route 139 traffic volumes within the study area towns are listed in Table 1 and graphically displayed in maps in Figures 6, 7, and 8.

Figure 6 shows the ADT on Route 139 in Stoughton. On Pleasant Street (Route 139) just east of Stoughton Square, the ADT is 5,569 vehicles per day (VPD). East of Prospect Street, the ADT is higher at 8,843 VPD and 9,072 VPD just before Central Street. East of Central Street, the ADT is 14,893 VPD, and east of Turnpike Street the ADT is 19,426 VPD. The average daily traffic east of Page Street is 22,199 VPD and there are 35,210 vehicles per day over Route 24 where Route 139 provides four lanes and access to Route 24.

In Abington, as shown in Figure 7, the ADT on Randolph Street (Route 139) is 16,025 VPD at the Weymouth Town Line; 13,663 VPD west of Chestnut Street; and 16,590 VPD west of Lincoln Street. North Avenue (Route 139) has 13,933 VPD east of Route 18, 14,692 east of Adams Street (Route 58), and 16,608 at the Rockland Town Line.

As shown in Figure 8 the ADT in Pembroke on Columbia Road (Route 139) is 23,791 VPD at the Hanover Town Line, 16,809 VPD on Schoosett Street (Route 139), 21,387 VPD on Church Street (Route 139) east of Water Street, and 21,811 VPD on Church Street (Route 139) west of Oak Street. The ADT is much higher at 45,476 VPD on Church Street (Route 139) in the four lane section beneath Route 3, and 33,959 VPD at the Marshfield Town Line.

Table 1: Route 139 Average Daily Traffic Volumes, Speeds, and Heavy Vehicle Percentages (2009)

Town	Street	Location	Jurisdiction	Functional Classification	Average Daily Traffic			85th Percentile Speed	Speed Limit	% Heavy Vehicle
					NB / WB	SB / EB	Total			
Stoughton	Pleasant Street	South of Union Street	Stoughton	Urban Principal Arterial	3,432	2,137	5,569	n/a	30 MPH	n/a
Stoughton	Pleasant Street	South of Lincoln Street	Stoughton	Urban Principal Arterial	4,731	4,112	8,843	35 MPH	30 MPH	3.7%
Stoughton	Pleasant Street	South of Central Street	Stoughton	Urban Principal Arterial	4,656	4,416	9,072	43 MPH	30 MPH	4.5%
Stoughton	Pleasant Street	South of Pine Street	Stoughton	Urban Principal Arterial	7,223	7,670	14,893	43 MPH	35 MPH	5.3%
Stoughton	Turnpike Street	North of Pleasant Street	Stoughton	Urban Principal Arterial	9,478	9,948	19,426	47 MPH	40 MPH	7.1%
Stoughton	Turnpike Street	North of Page Street	Stoughton	Urban Principal Arterial	12,533	9,666	22,199	n/a	40 MPH	9.1%
Stoughton	Lindelof Avenue	East of Route 24	MassDOT	Urban Principal Arterial	19,744	15,466	35,210	n/a	40 MPH	3.2%
Abington	Randolph Street	At Weymouth Town Line	Abington	Urban Principal Arterial	7,861	8,164	16,025	50 MPH	50 MPH	7.3%
Abington	Randolph Street	West of Chestnut Street	Abington	Urban Principal Arterial	6,842	6,821	13,663	45 MPH	35 MPH	5.4%
Abington	Randolph Street	West of Lincoln Street	Abington	Urban Principal Arterial	8,507	8,085	16,592	45 MPH	40 MPH	7.0%
Abington	North Avenue	West of Adams Street	Abington	Urban Minor Arterial	7,204	6,730	13,934	40 MPH	30 MPH	6.2%
Abington	North Avenue	East of Adams Street	Abington	Urban Minor Arterial	6,596	8,096	14,692	n/a	35 MPH	n/a
Abington	North Avenue	At Rockland Town Line	Abington	Urban Minor Arterial	8,377	8,231	16,608	40 MPH	35 MPH	6.3%
Pembroke	Columbia Road	At Hanover Town Line	MassDOT	Urban Principal Arterial	11,773	12,018	23,791	n/a	35 MPH	n/a
Pembroke	Schoosett Street	East of Washington Street	MassDOT	Urban Principal Arterial	8,927	7,882	16,809	54 MPH	45 MPH	8.7%
Pembroke	Church Street	East of Water Street	MassDOT	Urban Principal Arterial	10,896	10,491	21,387	51 MPH	45 MPH	7.8%
Pembroke	Church Street	West of Oak Street	MassDOT	Urban Principal Arterial	10,633	11,178	21,811	n/a	40 MPH	2.1%
Pembroke	Church Street	Underneath Route 3	MassDOT	Urban Principal Arterial	21,198	24,278	45,476	n/a	40 MPH	2.0%
Pembroke	Church Street	At Marshfield Town Line	MassDOT	Urban Principal Arterial	18,033	15,926	33,959	n/a	40 MPH	n/a



Traffic Speed

Vehicle speeds under prevailing conditions at specific locations within the Route 139 corridor were measured utilizing automatic traffic recorders, which also recorded vehicle classification to identify the percentage of heavy vehicles in the traffic flow. Spot speed data collection occurs over a 24 to 48 hour period during a weekday. The use of automatic recorders allows for non-peak as well as peak hour data collection. Figures 9, 10, and 11 summarize the speed data and the percentage of heavy vehicles in the traffic collected for the Route 139 corridor. The 85th percentile speed is the speed at or below in which 85 percent of all vehicles were traveling at the time of the study. It is used in the MassDOT’s guidelines as one of the criteria to determine the posted speed limit on a road.

Town	Location	85th Percentile Speed	Speed Limit	Heavy Vehicle Percentage
Stoughton	Route 139, South of Lincoln Street	35 MPH	30 MPH	3.7%
Stoughton	Route 139, South of Central Street	43 MPH	30 MPH	4.5%
Stoughton	Route 139, South of Pine Street	43 MPH	35 MPH	5.3%
Stoughton	Route 139, North of Pleasant Street	47 MPH	40 MPH	7.1%
Abington	Route 139, At Weymouth Town Line	50 MPH	50 MPH	7.3%
Abington	Route 139, West of Chestnut Street	45 MPH	35 MPH	5.4%
Abington	Route 139, West of Lincoln Street	45 MPH	40 MPH	7.0%
Abington	Route 139, West of Route 58	40 MPH	30 MPH	6.2%
Abington	Route 139, at Rockland Town Line	40 MPH	35 MPH	6.3%
Pembroke	Route 139, East of Route 53	54 MPH	45 MPH	8.7%
Pembroke	Route 139, East of Water Street	51 MPH	45 MPH	7.8%

Heavy Vehicle Data

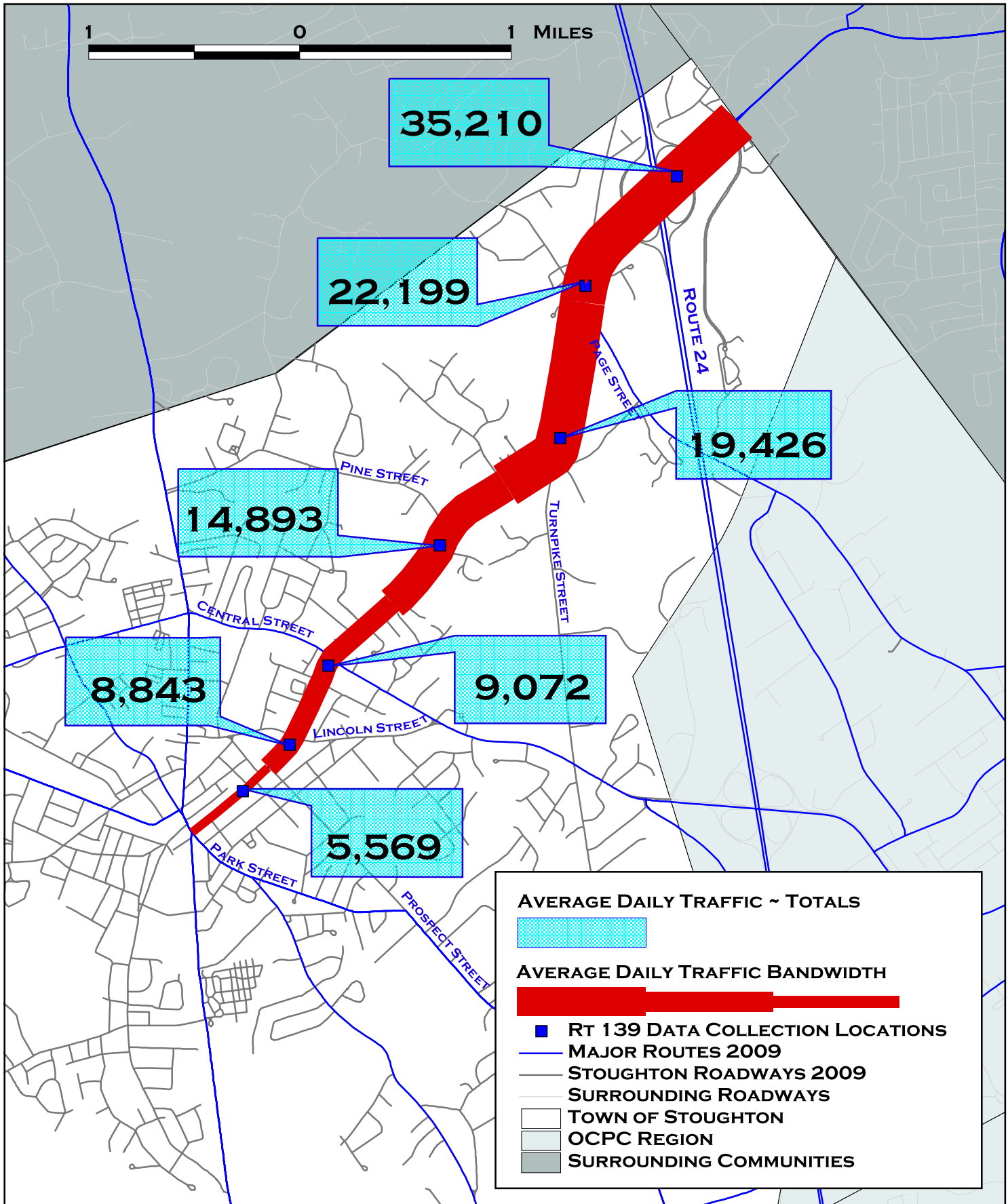
Along with speed of travel, automated traffic recorders are able to determine the classification of the vehicle as well, based on the “Scheme F” algorithm, developed by the Maine Department of Transportation and commonly used by planners and engineers. Vehicles determined to have 2 axles and 6 tires or greater combination thereof are classified as a “heavy vehicle”. The percentage of heavy vehicles recorded by the automated traffic recorders are listed in the above table.

STOUGHTON AVERAGE DAILY TRAFFIC (ADT)



FIGURE 6

1 0 1 MILES



AVERAGE DAILY TRAFFIC ~ TOTALS

AVERAGE DAILY TRAFFIC BANDWIDTH

- RT 139 DATA COLLECTION LOCATIONS
- MAJOR ROUTES 2009
- STOUGHTON ROADWAYS 2009
- SURROUNDING ROADWAYS
- TOWN OF STOUGHTON
- OCPC REGION
- SURROUNDING COMMUNITIES

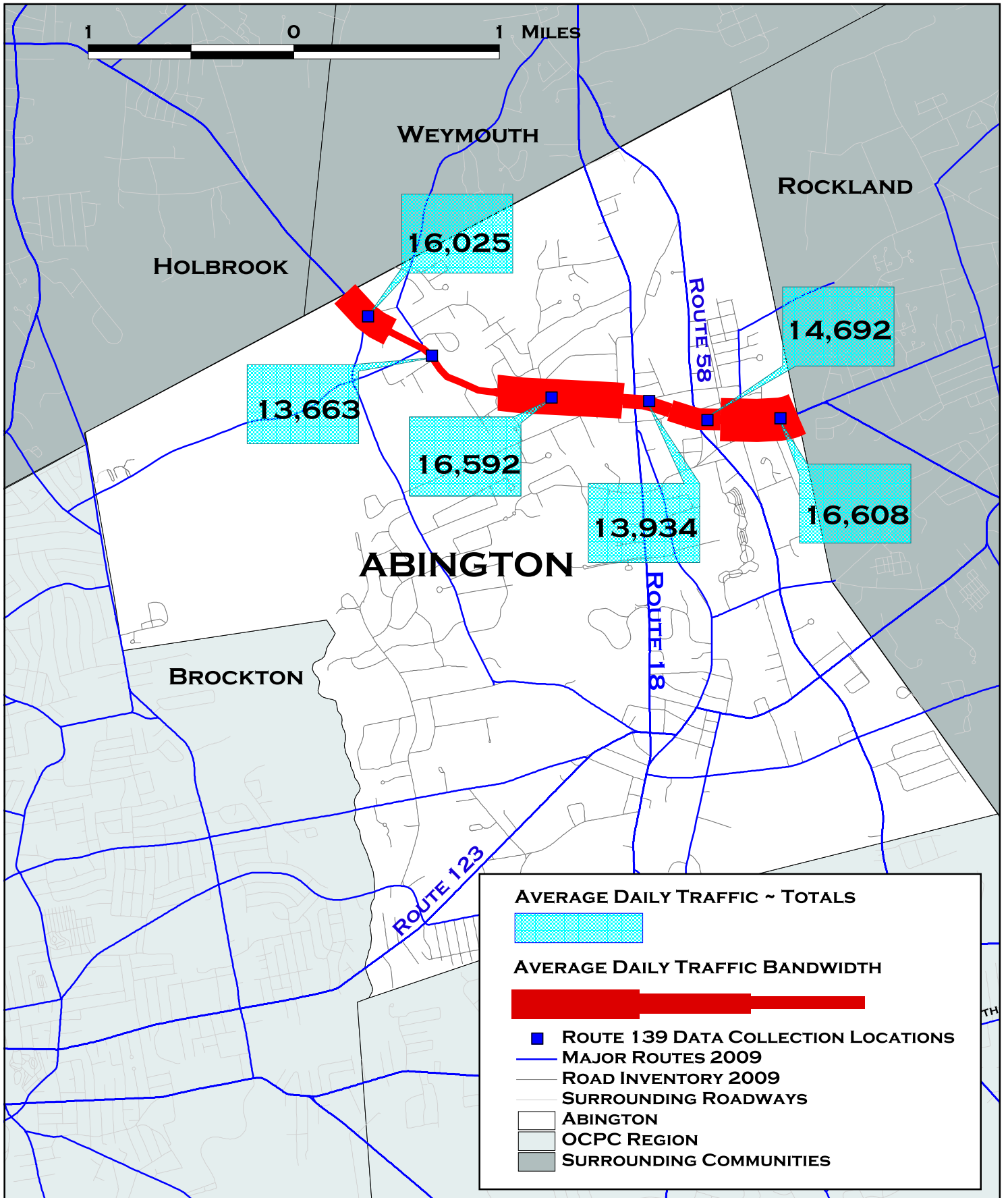


ABINGTON

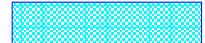
AVERAGE DAILY TRAFFIC (ADT)



FIGURE 7



AVERAGE DAILY TRAFFIC ~ TOTALS



AVERAGE DAILY TRAFFIC BANDWIDTH



- ROUTE 139 DATA COLLECTION LOCATIONS
- MAJOR ROUTES 2009
- ROAD INVENTORY 2009
- SURROUNDING ROADWAYS
- ABINGTON
- OCPC REGION
- SURROUNDING COMMUNITIES

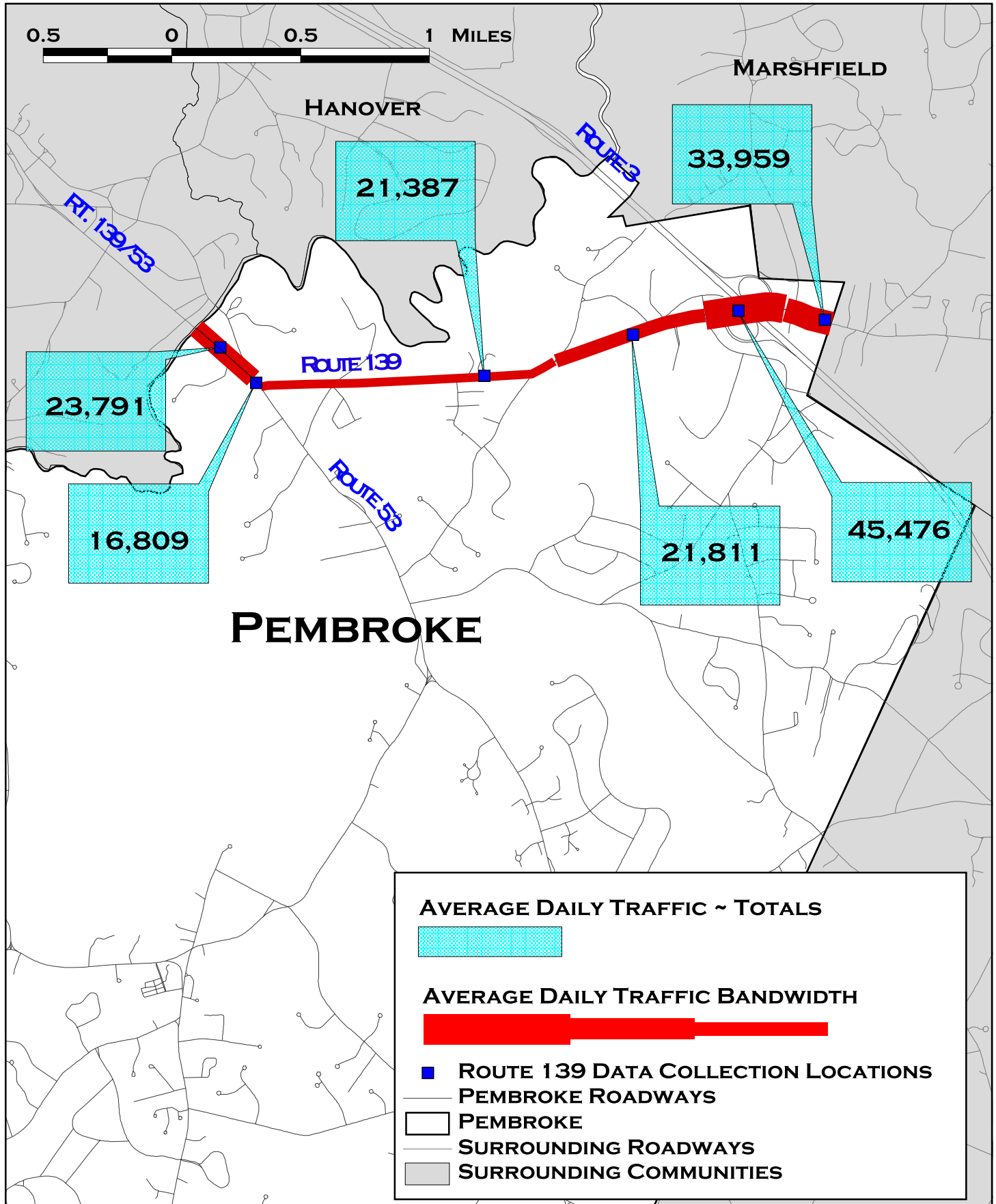


PEMBROKE

AVERAGE DAILY TRAFFIC (ADT)



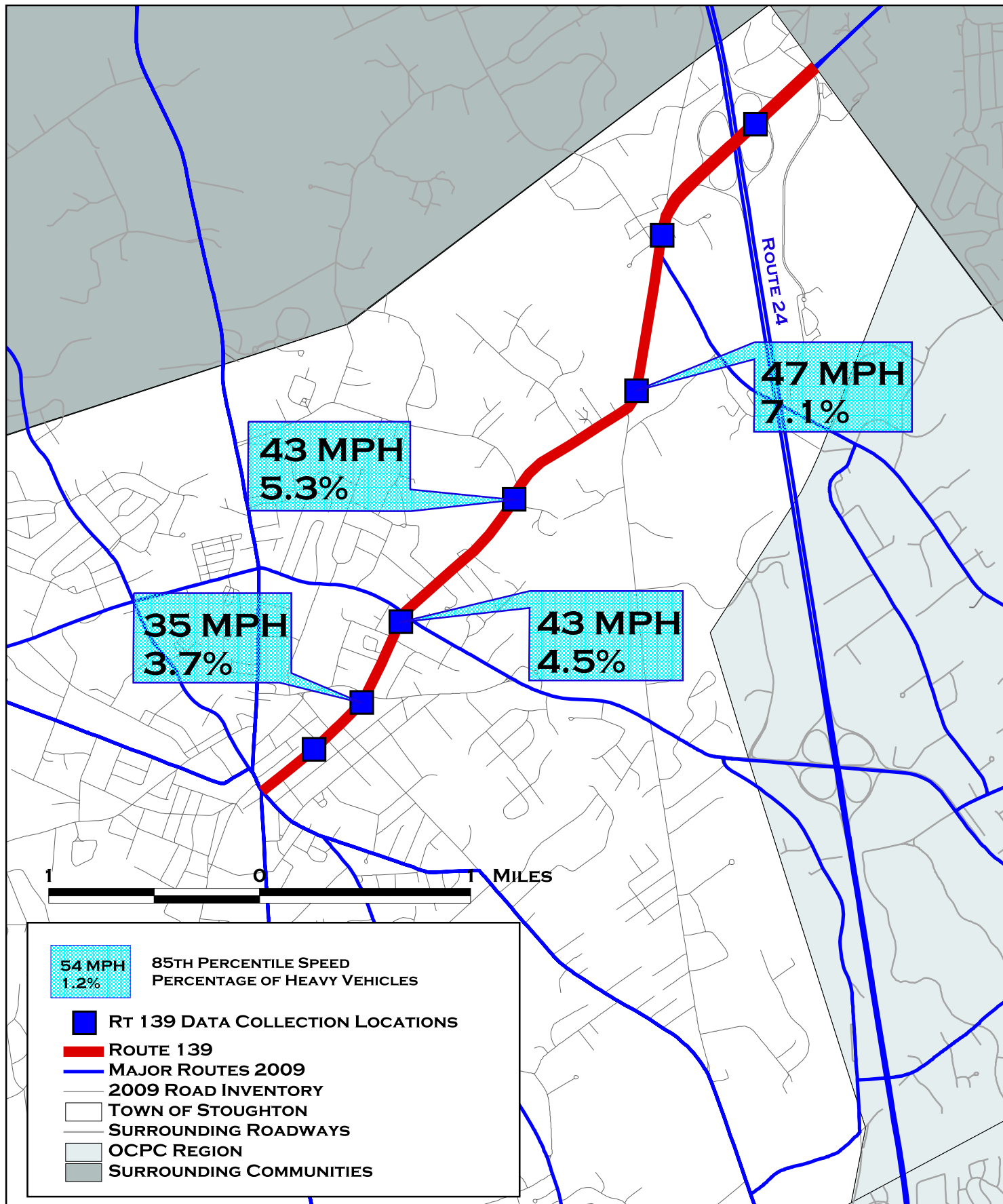
FIGURE 8



STOUGHTON 85TH PERCENTILE & HEAVY VEHICLE



FIGURE 9

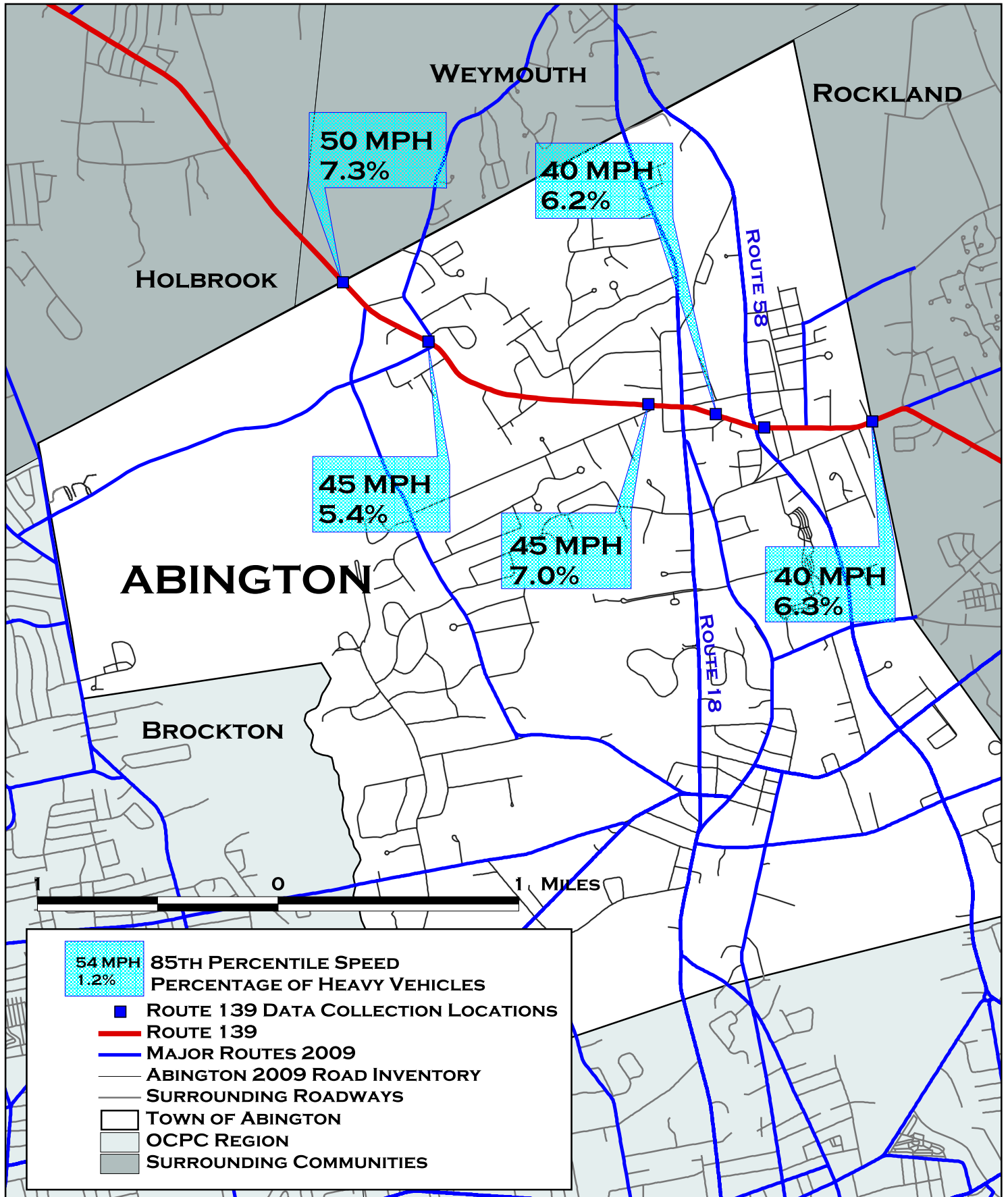


ABINGTON

85TH PERCENTILE & HEAVY VEHICLE



FIGURE 10



54 MPH 85TH PERCENTILE SPEED
1.2%

■ ROUTE 139 DATA COLLECTION LOCATIONS

— ROUTE 139

— MAJOR ROUTES 2009

— ABINGTON 2009 ROAD INVENTORY

— SURROUNDING ROADWAYS

□ TOWN OF ABINGTON

□ OCPC REGION

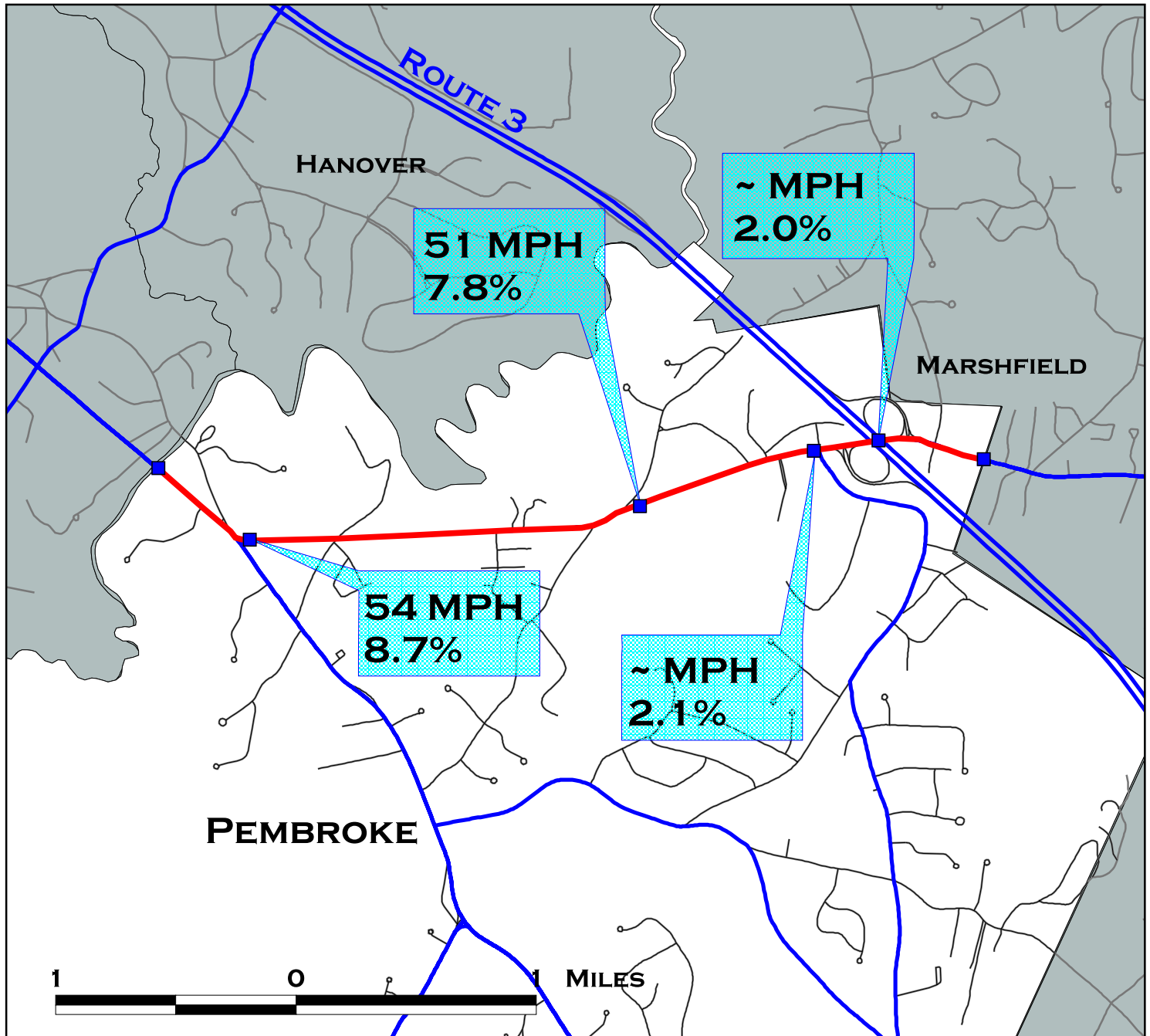
□ SURROUNDING COMMUNITIES



PEMBROKE 85TH PERCENTILE & HEAVY VEHICLE



FIGURE 11



54 MPH 1.2%	85TH PERCENTILE SPEED PERCENTAGE OF HEAVY VEHICLES
■	ROUTE 139 DATA COLLECTION LOCATIONS
—	ROUTE 139
—	MAJOR ROUTES 2009
—	PEMBROKE 2009 ROAD INVENTORY
—	SURROUNDING ROADWAYS
	TOWN OF PEMBROKE
	OCPC REGION
	SURROUNDING COMMUNITIES





Pavement Conditions

OCPC utilizes pavement management software and maintains a region-wide Pavement Management System (PMS) for roads that are eligible for federal aid (including road classifications arterial, urban collector, and major rural collector). The pavement management software includes a pavement deterioration curve that demonstrates the rate of deterioration of pavement and the implications for the cost of maintenance. It calculates Pavement Condition Index (PCI) scores for surveyed road segments. The PCI is derived from an evaluation of pavement distress factors (such as longitudinal and transverse cracking, pot holes, block cracking, alligator cracking, rutting, etc.), average daily traffic, and roadway classification.

The pavement management software detracts points for the severity and extent of the various distresses assigned to a road segment. 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 normally 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.

OCPC conducted windshield surveys of Route 139 in Stoughton, Abington, and Pembroke to determine the condition of the surface pavement. Figures 12, 13, and 14 show the results of the survey and the road conditions as determined by the pavement management software.

Figure 12 shows that Pleasant Street (Route 139) from Washington Street to Union Street in Stoughton is in “Good” condition and not in any immediate need for repair. Pleasant Street (Route 139) from Union Street to Pine Street is in “Fair” condition in need of routine maintenance (crack sealing and/or mill and overlays). Pleasant Street (Route 139) from Pine Street to Turnpike Street (Route 139) is in the “Good” category with no immediate repair. Turnpike Street (Route 139) between Pleasant Street (Route 139) and Page Street is in the “Poor” category with reconstruction or reclamation and resurfacing recommended, and Lindelof Avenue (Route 139) is in the “Good” category with no immediate repair recommended.

In Abington, as shown in Figure 13, Randolph Street (Route 139) from the Weymouth Town Line to Hancock Street is in “Fair” condition and preventative maintenance is recommended. East of Hancock Street to Route 18, Randolph Street (Route 139) is in “Poor” condition and in need of reconstruction or reclamation and resurfacing. Figure – shows that North Avenue (Route 139) is in “Fair” condition and routine maintenance is recommended. East of Adams Street, North Avenue (Route 139) is in “Poor” condition and reconstruction or reclamation and resurfacing is recommended. This section of North Avenue (Route 139) from Adams Street east to the Rockland Town Line is currently being resurfaced under a Public Works Economic Development grant.

As shown in Figure 14, Columbia Road (Route 139) in Pembroke is in “Fair” condition from the Hanover Town Line to Schoosett Street (Route 139). Schoosett Street (Route 139) and Church Street (Route 139) are in “Poor” condition from Washington Street (Route 139) to the Marshfield Town Line. The recommendations for Route 139 in Pembroke include rehabilitation and



repaving of Washington Street (Route 139) from the Hanover Town Line to Schoosett Street (Route 139), and reconstruction or reclamation and resurfacing Schoosett Street (Route 139) and Church Street (Route 139) from Washington Street (Route 139) to the Marshfield Town Line.

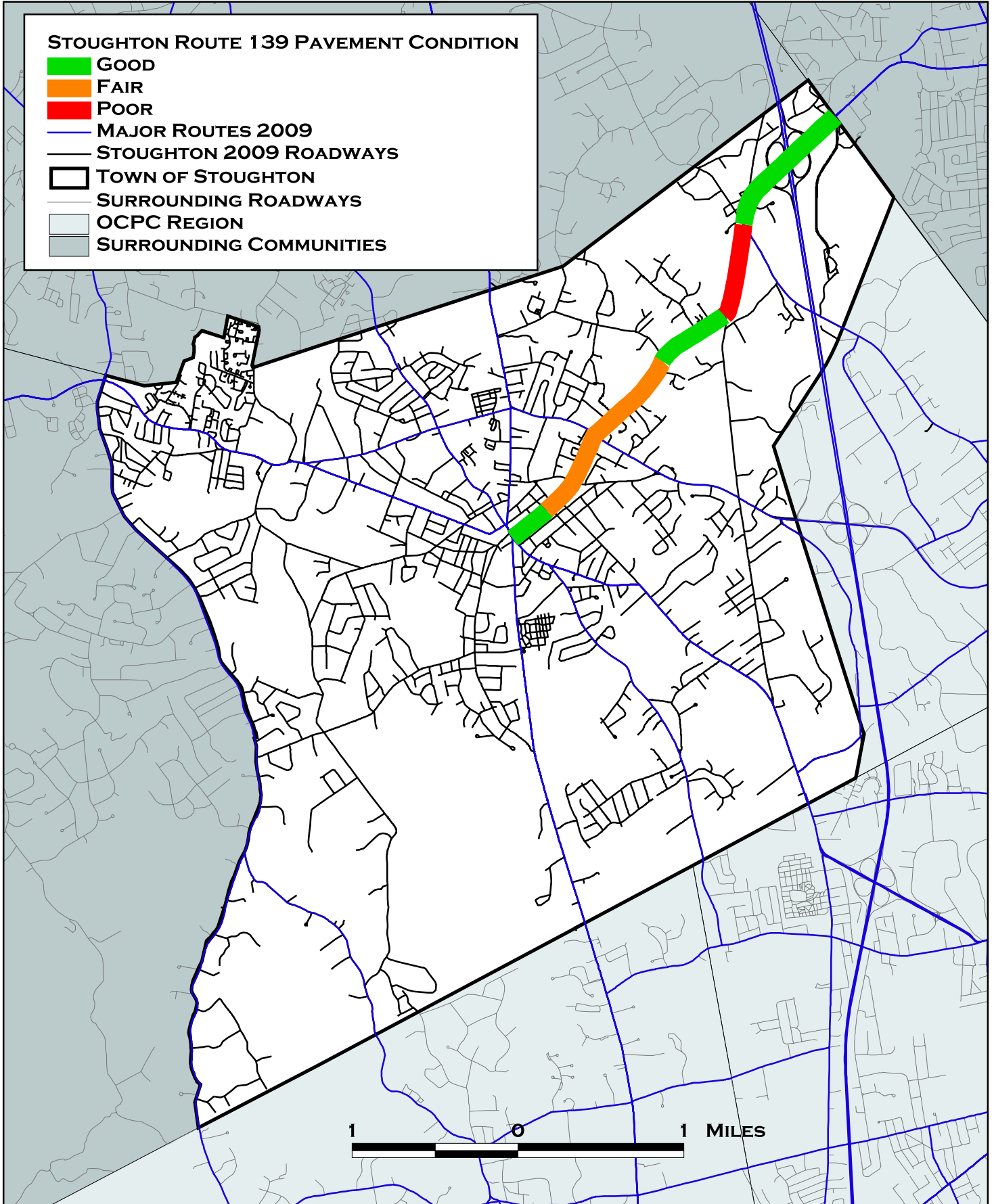
STOUGHTON PAVEMENT CONDITION



FIGURE 12

STOUGHTON ROUTE 139 PAVEMENT CONDITION

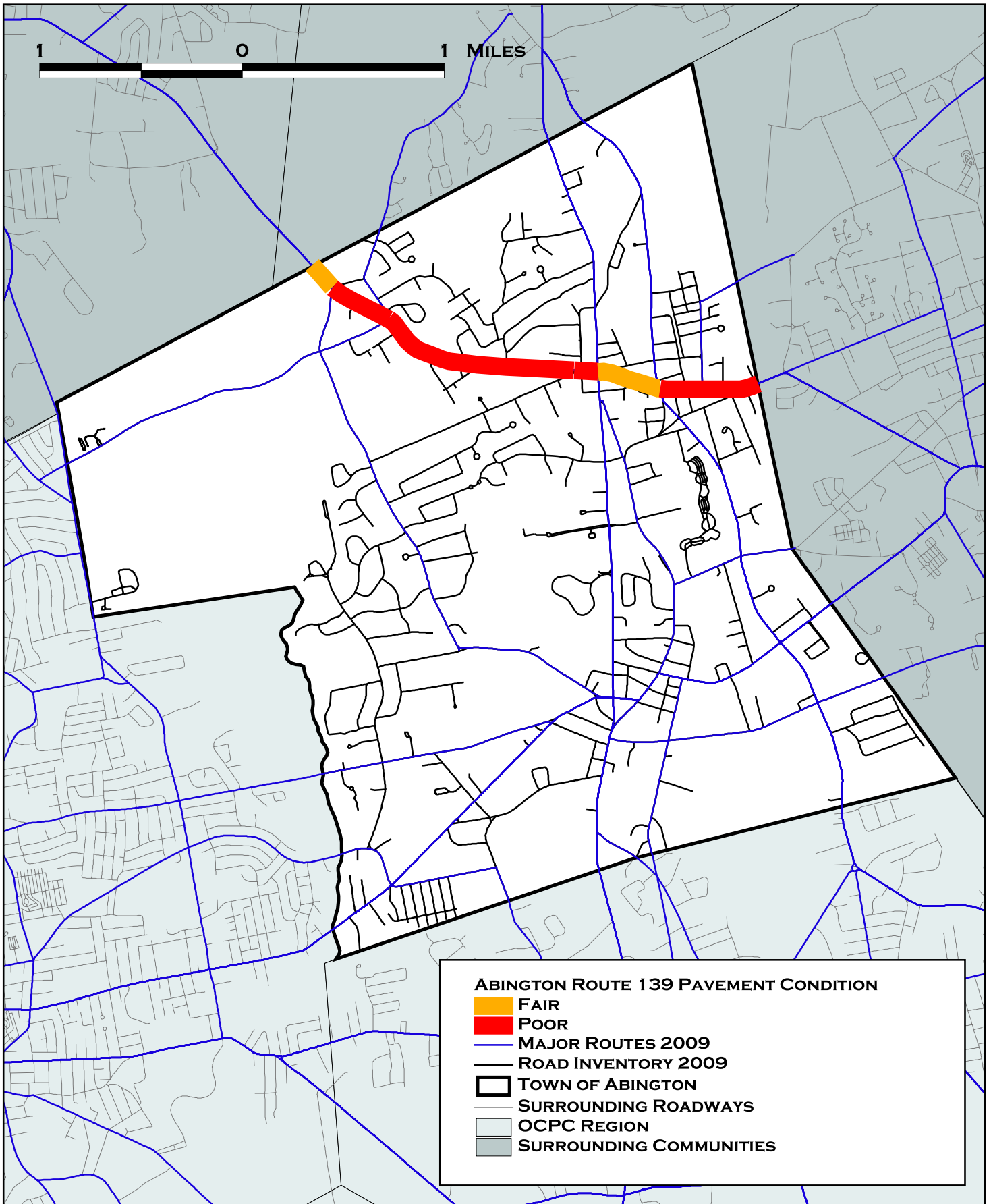
- █ GOOD
- █ FAIR
- █ POOR
- MAJOR ROUTES 2009
- STOUGHTON 2009 ROADWAYS
- TOWN OF STOUGHTON
- SURROUNDING ROADWAYS
- OCPC REGION
- SURROUNDING COMMUNITIES



ABINGTON PAVEMENT CONDITION INDEX (PCI)



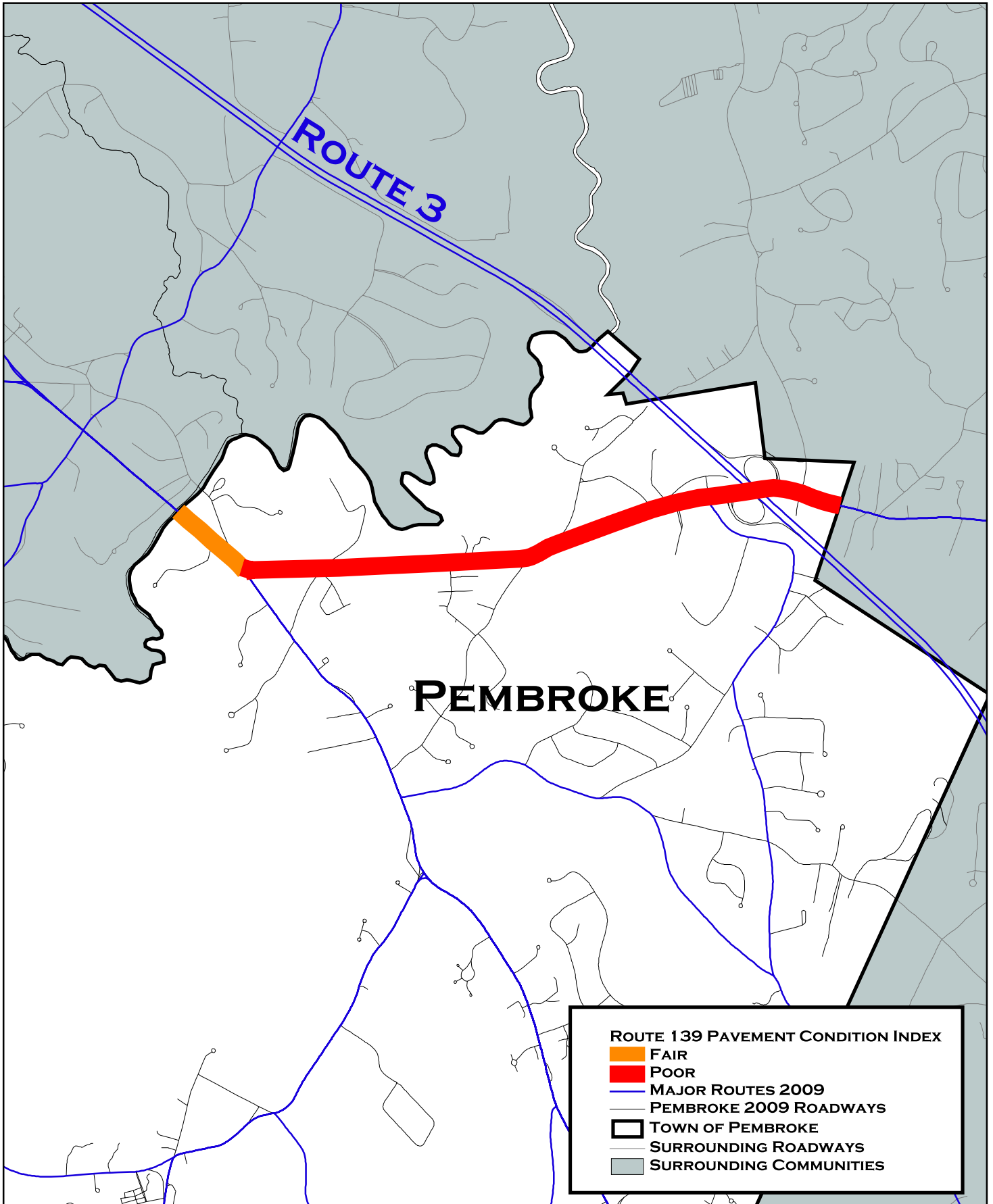
FIGURE 13



PEMBROKE PAVEMENT CONDITION INDEX (PCI)



FIGURE 14





Crash Analysis

Crash data at the Route 139 study area intersections was obtained from the Massachusetts Department of Transportation (MassDOT) for the latest available three-year period (2006, 2007, and 2008). This data, which is made available to MassDOT by the Massachusetts Registry of Motor Vehicles (RMV), 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*. Intersection crash rates were calculated based on the procedures in the *Manual of Traffic Engineering Studies* 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 in a three year period per million entering vehicles (MEV).

The purpose for analyzing crash data includes:

- To define and identify high crash locations;
- To justify actions for 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; and,
- To identify needs in pedestrian and bicycle safety and certain actions causing crashes that can be prevented through driver and/or public education.

Table 2 shows the number of crashes and crash rates for the study area intersections. Those intersections in Table 3 with a crash rate higher than the State Average are shown in shaded blocks. Crash rates for the study area intersections are shown in Figures 15, 16, and 17 with those rates higher than the State's Average shown in red.

Table 2 also shows the ranking for the intersections in the OCPC Region's Top 100 Hazardous Intersection List. The Top 100 list is based upon a weighted average where, for every intersection, ten points is given for every fatal crash, five points for every crash resulting in personal injury, and one point given for every crash that resulted in property damage only. The study area intersections weighted average was also compared to MassDOT's Top 200 Hazardous Intersection List. There are six intersections in the study area on the Top 100 Hazardous Intersection List;

- Pleasant Street (Route 139) at Central Street
- Turnpike Street (Route 139) at Page Street
- Lindelof Avenue (Route 139) at Kay Way and Technology Center Drive
- Randolph Street (Route 139) at Bedford Street (Route 18)
- Schoosett Street (Route 139) at Washington Street (Route 53)
- Church Street (Route 139) at Old Oak Street.



There are two intersections on MassDOT's Top 200 Hazardous Intersection List; Randolph Street (Route 139) at Bedford Street (Route 18) and Schoosett Street (Route 139) at Washington Street (Route 53) (these intersections are on both MassDOT's and OCPC's most hazardous lists).

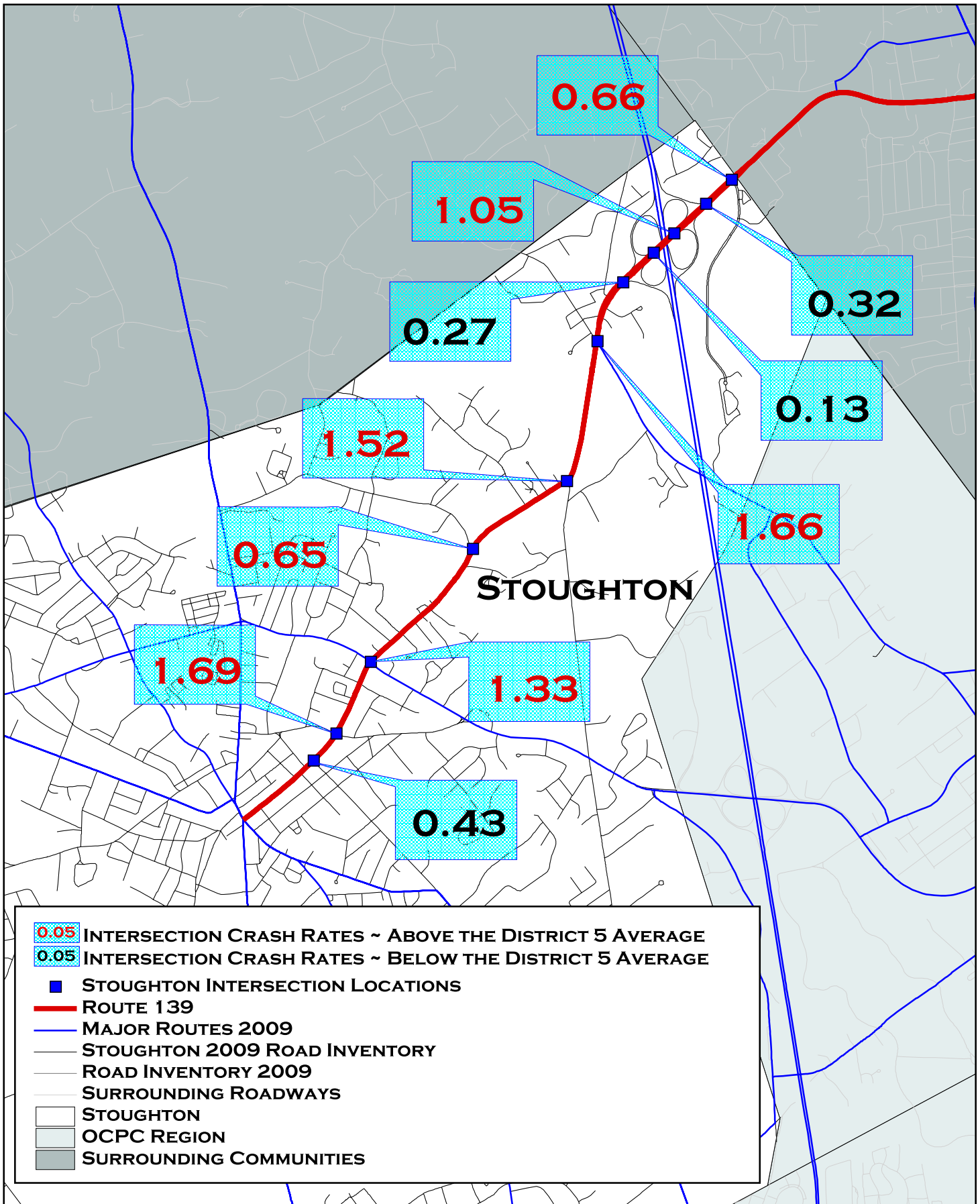
The average crash rate for MassDOT District 5 is 0.77 per MEV for signalized intersections and 0.62 per MEV for un-signalized intersections. A rate higher than the District 5 Average is used as an indicator that safety improvements should be considered to reduce crashes at an intersection location. Other criteria used as indications that improvements are necessary include inclusion on MassDOT's Top 200 Hazardous Intersection List and the OCPC Region's Top 100 Hazardous Intersection List, as well as the percentage of injury crashes and the overall number of crashes.



Table 2 Crashes and Intersection Crash Rates

	Community	Intersection	Traffic Control	Number of Crashes	Crash Rate (Per MEV)	Fatal	OCPC Top 100 (Rank)	MassDOT Top 200 (Rank)
1	Stoughton	Pleasant Street (Route 139) at Prospect Street	Stop	7	0.43	0		
2	Stoughton	Pleasant Street (Route 139) at Lincoln Street	Stop	24	1.69	0		
3	Stoughton	Pleasant Street (Route 139) at Central Street	Signal	46	1.33	0	Yes (76)	
4	Stoughton	Pleasant Street (Route 139) at Pine Street	Stop	14	0.65	0		
5	Stoughton	Pleasant Street (Route 139) at Turnpike Street	Signal	34	1.52	0		
6	Stoughton	Turnpike Street (Route 139) at Page Street	Signal	50	1.66	0	Yes (54)	
7	Stoughton	Lindelof Avenue (Route 139) westbound at Route 24 southbound	Yield	2	0.13	0		
8	Stoughton	Lindelof Avenue (Route 139) westbound at Route 24 northbound	Yield	5	0.32	0		
9	Stoughton	Lindelof Avenue (Route 139) eastbound at Route 24 southbound	Yield	5	0.27	0		
10	Stoughton	Lindelof Avenue (Route 139) eastbound at Route 24 northbound	Yield	19	1.05	0		
11	Stoughton	Lindelof Avenue (Route 139) at Kay Way and Technology Center Drive	Signal	30	0.66	0	Yes (47)	
12	Abington	Randolph Street (Route 139) at Hancock Street/Old Randolph Street	Stop	11	0.58	0		
13	Abington	Randolph Street (Route 139) at Chestnut Street/Old Randolph Street	Stop	18	0.79	0		
14	Abington	Randolph Street (Route 139) at Lincoln Street	Stop	1	0.05	0		
15	Abington	Randolph Street (Route 139) at Bedford Street (Route 18)	Signal	103	2.22	0	Yes (13)	Yes (25)
16	Abington	North Avenue (Route 139) at Adams Street (Route 58)	Signal	26	1.04	0		
17	Abington	North Avenue (Route 139) at Spruce Street	Stop	3	0.22	0		
18	Pembroke	Columbia Road (Route 139/53) at Washington Street	Stop	13	0.47	0		
19	Pembroke	Schoosett Street (Route 139) at Washington Street (Route 53)	Signal	57	1.62	0	Yes (10)	Yes (37)
20	Pembroke	Schoosett Street (Route 139) at Water Street	Stop	13	0.57	0		
21	Pembroke	Church Street (Route 139) at Water Street	Stop	8	0.38	0		
22	Pembroke	Church Street (Route 139) at North River Plaza/Rainbow Square	Signal	7	0.24	0		
23	Pembroke	Church Street (Route 139) at Oak Street Extension/Brigantine Village	Signal	30	0.81	0		
24	Pembroke	Church Street (Route 139) at Route 3 southbound ramps	Signal	7	0.11	0		
25	Pembroke	Church Street (Route 139) at Route 3 northbound ramps	Signal	7	0.14	0		
26	Pembroke	Church Street (Route 139) at Old Oak Street	Signal	56	1.26	0	Yes (92)	

MassDOT District 5 Average Crash Rate for signalized intersections is 0.77. MassDOT District 5 Average Crash Rate for un-signalized intersections is 0.62.



0.05 INTERSECTION CRASH RATES ~ ABOVE THE DISTRICT 5 AVERAGE
0.05 INTERSECTION CRASH RATES ~ BELOW THE DISTRICT 5 AVERAGE

- STOUGHTON INTERSECTION LOCATIONS
- ROUTE 139
- MAJOR ROUTES 2009
- STOUGHTON 2009 ROAD INVENTORY
- ROAD INVENTORY 2009
- SURROUNDING ROADWAYS
- STOUGHTON
- OCPC REGION
- SURROUNDING COMMUNITIES

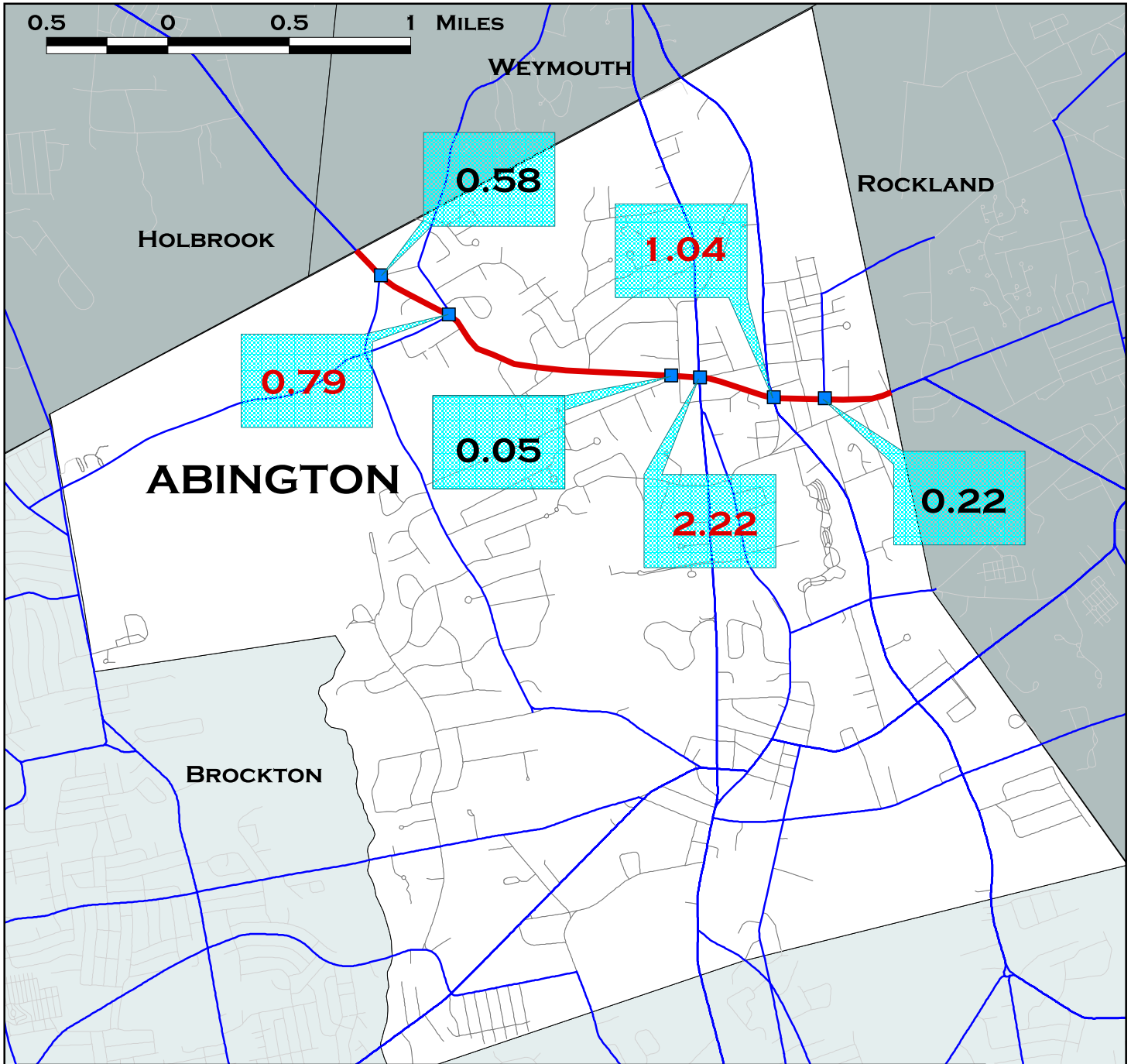


ABINGTON

INTERSECTION CRASH RATES



FIGURE 16



- 1.04** INTERSECTION CRASH RATES ~ ABOVE THE DISTRICT 5 AVERAGE
- 0.05** INTERSECTION CRASH RATES ~ BELOW THE DISTRICT 5 AVERAGE
- ROUTE 139 ABINGTON INTERSECTIONS
- RT 139 ~ ABINGTON
- MAJOR ROUTES 2009
- ROAD INVENTORY 2009
- SURROUNDING ROADWAYS
- ABINGTON
- OCPC REGION
- SURROUNDING COMMUNITIES

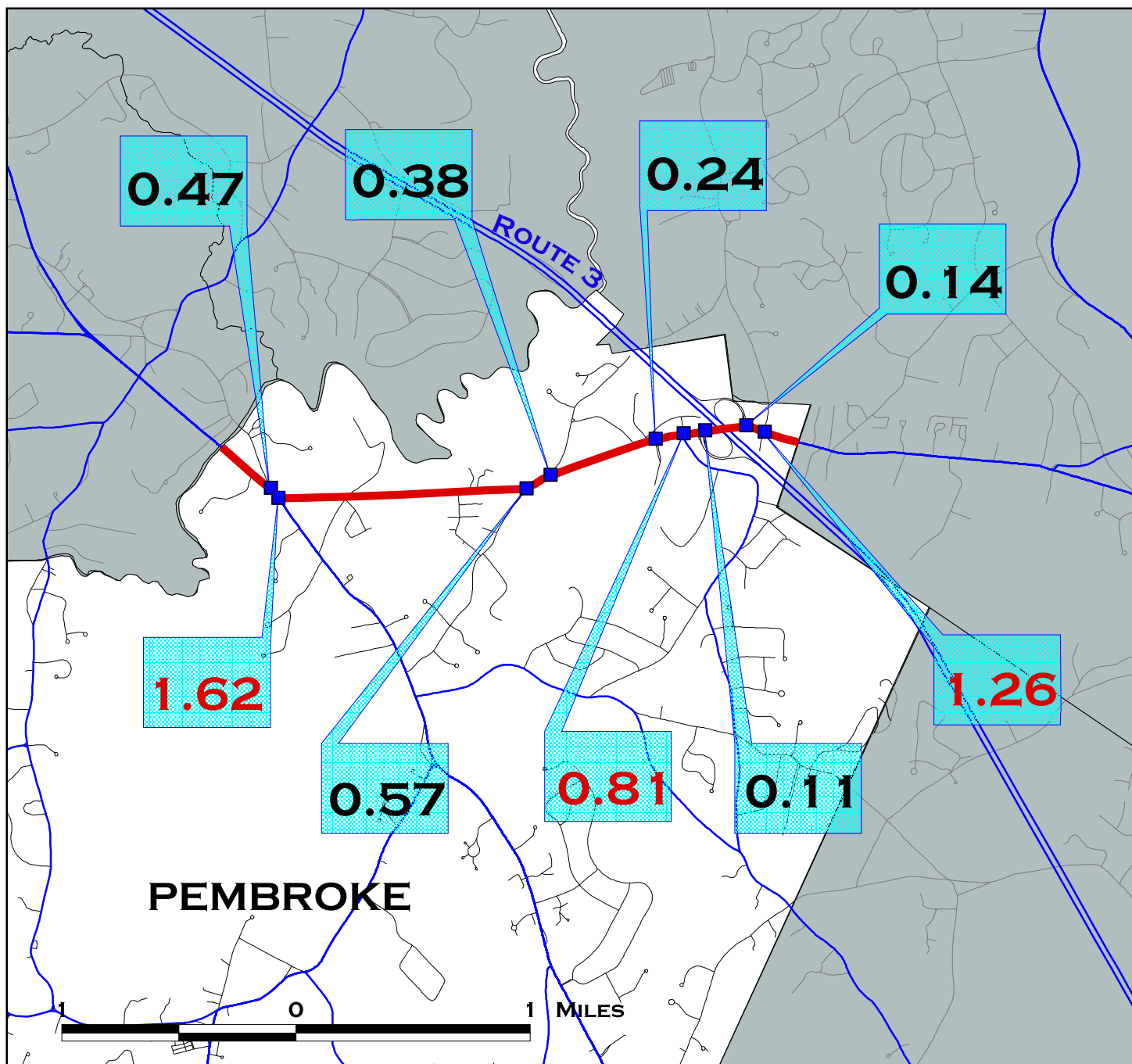


PEMBROKE

INTERSECTION CRASH RATES



FIGURE 17



0.92 INTERSECTION CRASH RATE ~ ABOVE DISTRICT 5 AVERAGE

0.57 INTERSECTION CRASH RATE ~ BELOW DISTRICT 5 AVERAGE

■ PEMBROKE INTERSECTION LOCATIONS

— ROUTE 139

— MAJOR ROUTES 2009

— PEMBROKE 2009 ROAD INVENTORY

□ PEMBROKE

— SURROUNDING ROADWAYS

OCPC REGION

SURROUNDING COMMUNITIES





As shown in Figure 15, there were six intersections in Stoughton that experienced higher than average crash rates, including Pleasant Street (Route 139) at Lincoln Street, Pleasant Street (Route 139) at Central Street, Pleasant Street (Route 139) at Pine Street, Pleasant Street (Route 139) at Turnpike Street, Pleasant Street (Route 139) at Page Street, and Lindelof Avenue (Route 139) eastbound at Route 24 northbound. Although the Pleasant Street (Route 139)/Pine Street intersection exceeded the average rate by only about 5 percent, the remaining five Stoughton high crash rate intersections were roughly double the average rate.

In Abington, three intersections experienced crash rates that exceeded the District 5 average. These included Randolph Street (Route 139) at Chestnut Street/Old Randolph Street, Randolph Street (Route 139) at Bedford Street (Route 18), and North Avenue (Route 139) at Adams Street (Route 58). The Randolph Street (Route 139)/Bedford Street (Route 18) intersection recorded the highest crash rate of the study are intersections with 2.22 crashes per million entering vehicles.

There were three intersections in Pembroke that experienced crash rates above the District 5 average. These included Schoosett Street (Route 139) at Washington Street (Route 53), 1.62 crashes per MEV, Church Street (Route 139) at Oak Street Extension/Brigantine Village, 0.81 crashes per MEV, and Church Street (Route 139) at Old Oak Street, 1.26 crashes per MEV.

Existing Peak Hour Operations – Vehicular Traffic

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, and 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 of a facility. 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. 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 of the intersections, two-lane highways, and arterials, which represent the physical conditions that typify the study area corridor, 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 shows the signalized and un-signalized levels-of-service for the Route 139 study area intersections under existing peak hour conditions. Congestion at intersections in Table 4 (LOS "E" and "F") is shown in shaded blocks.

Table 4 Existing Peak Hour Level-of-Service

	Community	Intersection	Traffic Control	AM LOS	PM LOS
1	Stoughton	Pleasant Street (Route 139) at Prospect Street	Stop	F	F
2	Stoughton	Pleasant Street (Route 139) at Lincoln Street	Stop	C	F
3	Stoughton	Pleasant Street (Route 139) at Central Street	Signal	D	F
4	Stoughton	Pleasant Street (Route 139) at Pine Street	Stop	F	F
5	Stoughton	Pleasant Street (Route 139) at Turnpike Street	Signal	B	B
6	Stoughton	Pleasant Street (Route 139) at Page Street	Signal	C	C
7	Stoughton	Lindelof Avenue (Route 139) westbound at Route 24 southbound	Yield	C	F
8	Stoughton	Lindelof Avenue (Route 139) westbound at Route 24 northbound	Yield	B	C
9	Stoughton	Lindelof Avenue (Route 139) eastbound at Route 24 southbound	Yield	E	F
10	Stoughton	Lindelof Avenue (Route 139) eastbound at Route 24 northbound	Yield	F	F
11	Stoughton	Lindelof Avenue (Route 139) at Kay Way and Technology Center Drive	Signal	D	C
12	Abington	Randolph Street (Route 139) at Hancock Street/Old Randolph Street	Stop	F	F
13	Abington	Randolph Street (Route 139) at Chestnut Street/Old Randolph Street	Stop	F	F



14	Abington	Randolph Street (Route 139) at Lincoln Street	Stop	C	F
15	Abington	Randolph Street (Route 139) at Bedford Street (Route 18)	Signal	D	E
16	Abington	North Avenue (Route 139) at Adams Street (Route 58)	Signal	C	C
17	Abington	North Avenue (Route 139) at Spruce Street	Stop	C	F
18	Pembroke	Columbia Road (Route 139/53) at Washington Street	Stop	F	F
19	Pembroke	Schoosett Street (Route 139) at Washington Street (Route 53)	Signal	C	C
20	Pembroke	Schoosett Street (Route 139) at Water Street	Stop	C	D
21	Pembroke	Church Street (Route 139) at Water Street	Stop	B	C
22	Pembroke	Church Street (Route 139) at North River Plaza/Rainbow Square	Signal	B	B
23	Pembroke	Church Street (Route 139) at Oak Street Extension/Brigantine Village	Signal	B	B
24	Pembroke	Church Street (Route 139) at Route 3 southbound ramps	Signal	C	E
25	Pembroke	Church Street (Route 139) at Route 3 northbound ramps	Signal	D	C
26	Pembroke	Church Street (Route 139) at Old Oak Street	Signal	D	F

Table 4 shows that six un-signalized intersections in Stoughton experience failed level-of-service (LOS “F”) during the morning and/or afternoon peak hour. These intersections include Pleasant Street (Route 139) at Prospect Street, Pleasant Street (Route 139) at Lincoln Street, Pleasant Street (Route 139) at Pine Street, Lindelof Avenue (Route 139) westbound at Route 24 southbound, Lindelof Avenue (Route 139) eastbound at Route 24 southbound, and Lindelof Avenue (Route 139) eastbound at Route 24 northbound. The Pleasant Street (Route 139)/Central Street intersection was the only signalized intersection with failed LOS in Stoughton, with LOS “F” during the afternoon peak hour.

There were five intersections with failed LOS in Abington. These include Randolph Street (Route 139) at Hancock Street/Old Randolph Street (LOS “F” AM peak and PM peak), Randolph Street (Route 139) at Chestnut Street/Old Randolph Street (LOS AM peak and PM peak), Randolph Street (Route 139) at Lincoln Street (LOS “F” PM peak), Randolph Street (Route 139) at Bedford Street (Route 18) (LOS “E” PM peak), and North Avenue (Route 139) at Spruce Street (LOS “F” PM peak).

Pembroke includes three intersections with failed LOS. One of these intersections, Columbia Road (Route 139/53) at Washington Street (LOS “F” AM and PM Peak), is un-signalized, and two are signalized, Church Street (Route 139) at Route 3 southbound ramps (LOS “E” PM peak) and Church Street (Route 139) at Old Oak Street (LOS “F” PM peak).

The intersection levels-of-service are also shown in Figures 18, 19, and 20, with failing levels-of-service shown in red (LOS “E” and “F”).



Pedestrian and Bicycle Accommodations and Level of Service

Pleasant Street (Route 139) in Stoughton has sidewalks along both sides of the road between Downtown Stoughton and Prospect Street. The sidewalk continues along the north side to the vicinity of Old Maple Street. There is a one to two foot shoulder along both sides of the road for bicycle travel; however, there is also parking along the south side for a short 200 foot distance just east of Capen Street. The sidewalk on the north side begins again at Glen Echo Boulevard and continues along Turnpike Street (Route 139) to Lindelof Street (Route 139). The discontinuation of the sidewalks between Old Maple Street and Glen Echo Boulevard leaves a gap of approximately 2,000 feet in the sidewalk system. Turnpike Street Route 139 has sidewalks on both sides of the street, with six to eight foot shoulders for bicycle travel. There are no shoulders on Turnpike Street (Route 139) east of Page Street as Route 139 transitions from two lanes to four lanes. Lindelof Street (Route 139) lacks sidewalks as it crosses over Route 24 with one to two foot shoulders for bicycle travel.

In Abington, Randolph Street (Route 139) has sidewalks on both sides. On the north side, the sidewalks are from the Weymouth Town Line to Route 18 and on the south side from the vicinity of Chestnut Street to Route 18. The sidewalks on both sides of the road extend from Route 18 along North Avenue (Route 139) through the North Abington Business District to the Rockland Town Line. Randolph Street (Route 139) provides 6 to 8 foot shoulders for bicycles on both sides of the road. North Avenue (Route 139) provides two foot shoulders for bicycles on both sides of the road between Route 18 and Route 58. There is parking along both sides of the road within the North Abington Business District; however, the wide shoulders extend again from the business district (just east of the railroad tracks) to the Rockland Town Line.

Columbia Road (Route 139) in Pembroke has no sidewalks except for a short segment on the bridge over the North River at the Hanover Town Line, where there are sidewalks on both sides. There are no shoulders along Columbia Road (Route 139) to accommodate bicycles. Schoosett Street (Route 139) has a sidewalk on the south side of the road as does Church Street (Route 139), although sidewalks along the Church Street commercial area are intermittent. Schoosett Street (Route 139) provides shoulders on both sides of the roads to accommodate bicycles (varying from 3 to 5 feet). Church Street (Route 139) provides four to six foot shoulders for bicycles east of Schoosett Street; however, east of Lowes within the commercial area, where the road widens from two lanes to four and five lanes, there are no shoulders and little room along either side of the road to accommodate bicycle travel to the Marshfield Town Line.

A Level-of-Service (LOS) methodology was developed by the Federal Highway Administration to qualitatively and quantitatively identify pedestrian deficiencies along a highway corridor, and to determine the compatibility of bicycle use. The input criteria used to calculate both the pedestrian and bicycle LOS for a highway segment include; the number of lanes per direction of travel, lane width, width of sidewalk (if present) or paved shoulder, traffic volumes, posted speed limits, the composition of traffic (percent heavy vehicles), pavement conditions, the presence of parking, the percent of sidewalks present, the presence of a sidewalk buffer, and the average tree spacing within the buffer. Similar to levels of service for vehicular traffic, the LOS ranges from “A” to “F”. In this case, a level of service “A” representing the highest level of pedestrian and/or bicycle accommodation and level of service “F” representing the lowest level of accommodation.



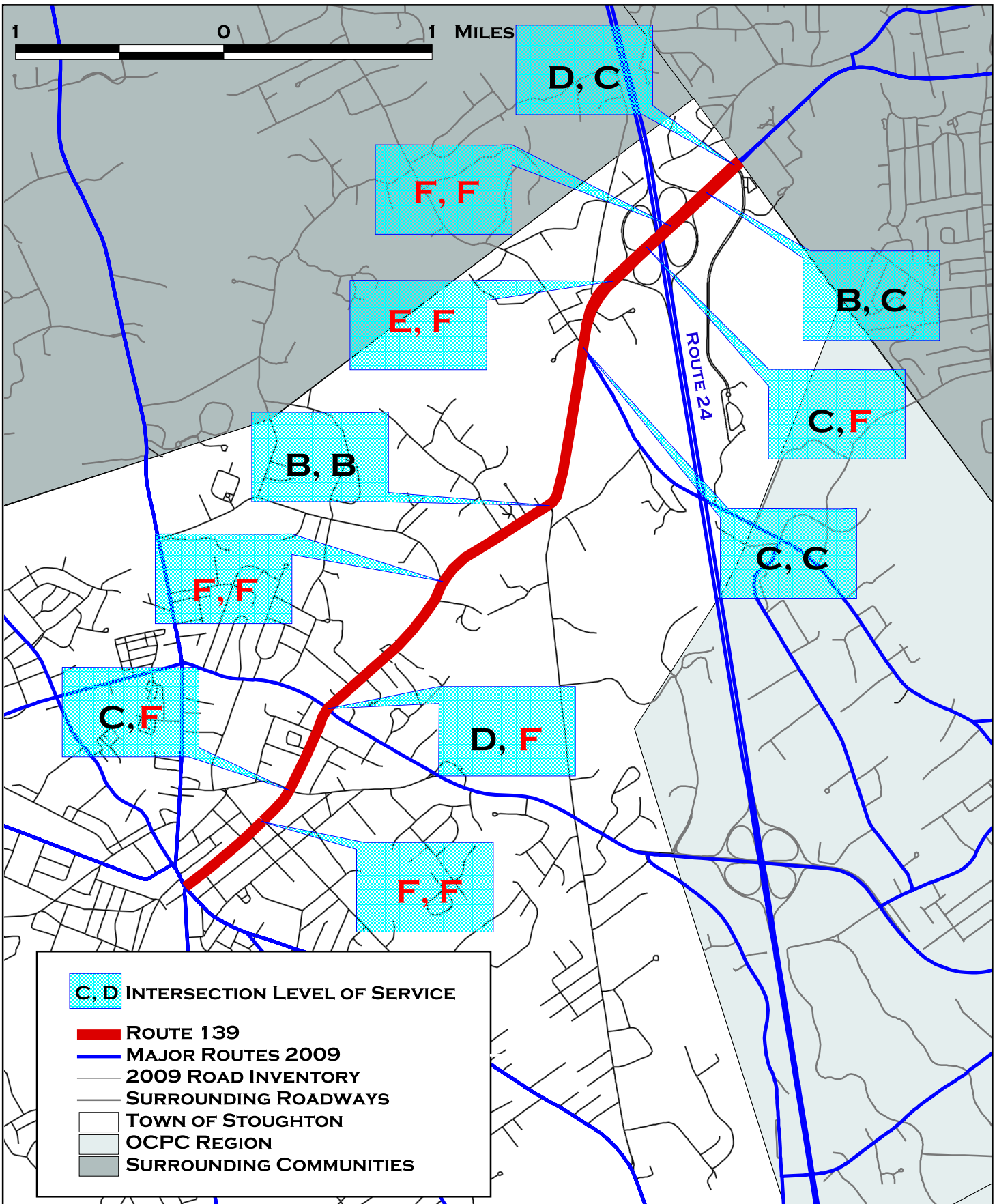
A level of service of “C” or better indicates higher levels of compatibility, and level of service “D” or below indicates lower levels of compatibility.

The data input for determining the pedestrian and bicycle LOS for the Route 139 corridor was collected by OCPC and evaluated according to the LOS model procedures. A summary of the bicycle and pedestrian LOS criteria and evaluations for Route 139 are included in the appendix to this report.

STOUGHTON INTERSECTION LEVEL OF SERVICE



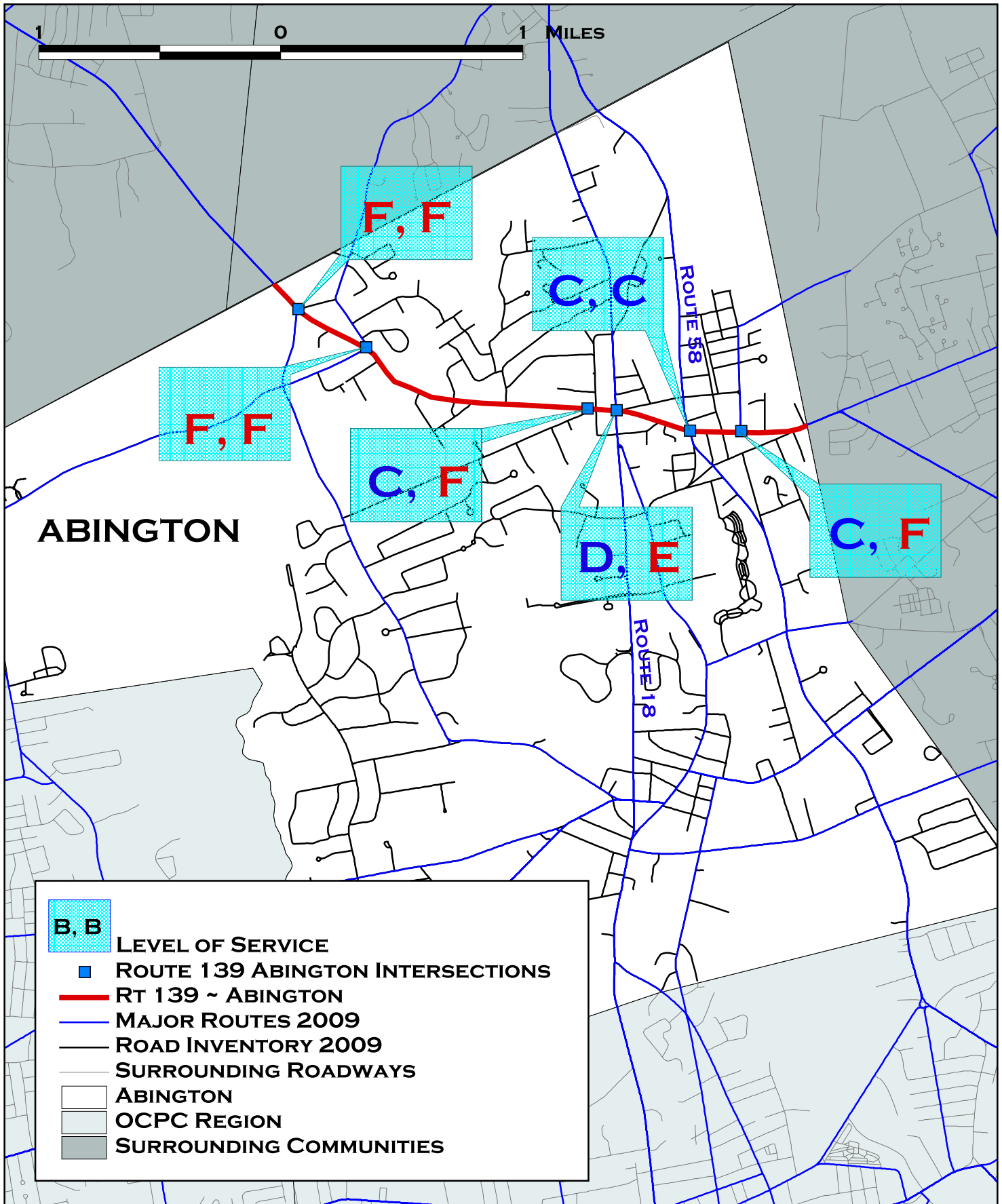
FIGURE 18



ABINGTON INTERSECTION LEVEL OF SERVICE



FIGURE 19



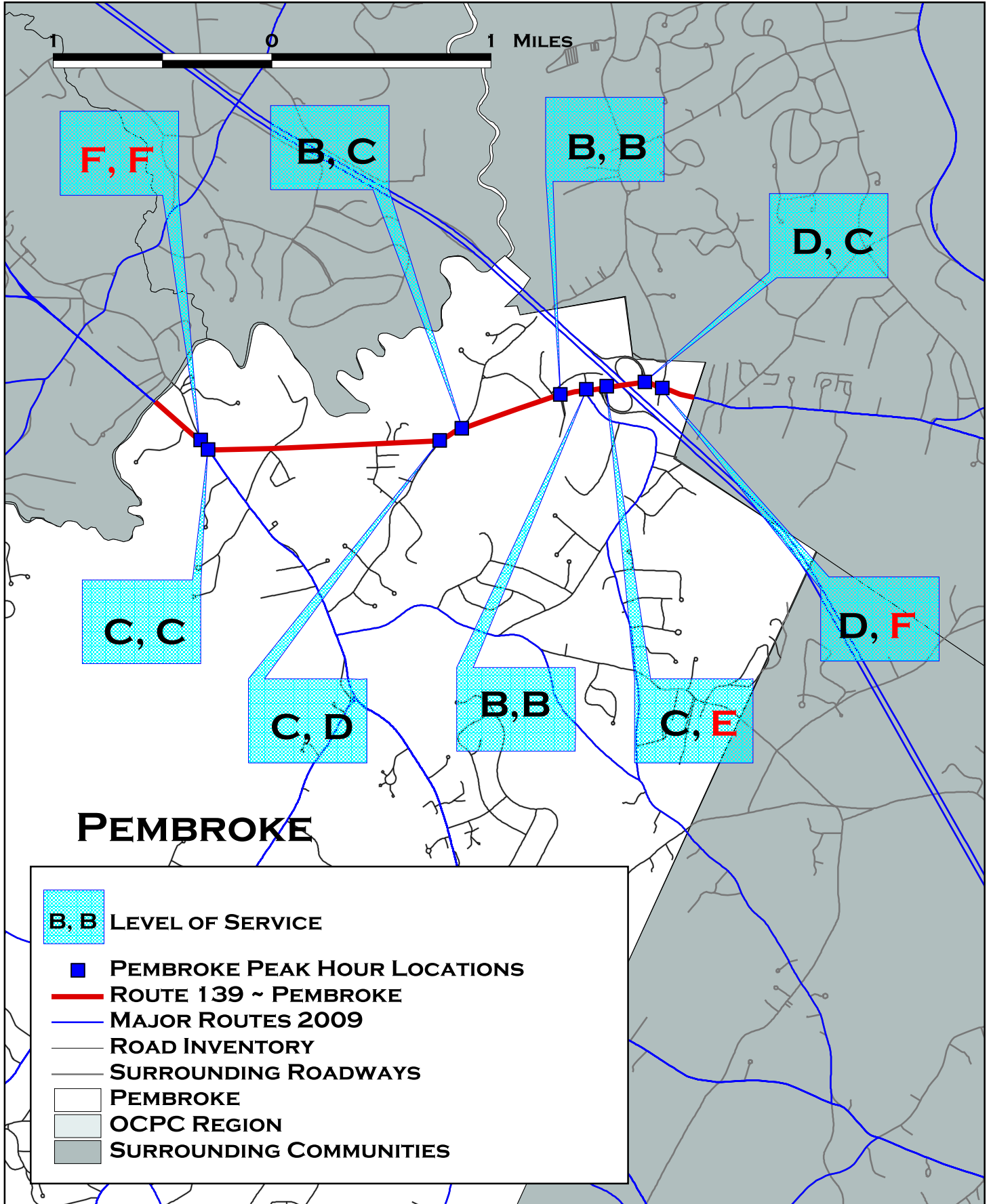
B, B	LEVEL OF SERVICE
	ROUTE 139 ABINGTON INTERSECTIONS
	RT 139 ~ ABINGTON
	MAJOR ROUTES 2009
	ROAD INVENTORY 2009
	SURROUNDING ROADWAYS
	ABINGTON
	OCPC REGION
	SURROUNDING COMMUNITIES



PEMBROKE INTERSECTION LEVEL OF SERVICE



FIGURE 20





In addition to the pedestrian LOS for highway segments, the FHWA has developed a methodology utilizing a Pedestrian Infrastructure Index to determine the pedestrian levels-of-service at a signalized intersection. The input criteria for the Pedestrian Infrastructure Index include: the number of lanes at an intersection (and the type of lanes), presence of crosswalks, presence of pedestrian signal actuation, presence of sidewalks, the approach grade, ADA compliance, turn radii and skewing of the intersection, and lighting. The data input for determining the pedestrian LOS for the Route 139 corridor signalized intersections was collected by OCPC and evaluated according to the pedestrian LOS model procedures. A summary of the criteria and evaluations for these signalized intersections is included in the appendix to this report.

The pedestrian levels-of-service for Route 139 (including pedestrian LOS at signalized intersections) are shown in Figures 21, 22, and 23. In order to identify sidewalk gaps along the corridor, these figures show the northbound and southbound pedestrian levels-of-service in colored bands parallel to the Route 139 corridor (to the north of Route 139 for the westbound and to the south of Route 139 for eastbound). The pedestrian levels-of-service at signalized intersections are also shown (in callouts blocks). As shown in Figure 21, the intersection levels-of-service for pedestrian crossings are at LOS “B” at all signalized intersections in Stoughton, except for the Route 139/Kay Way intersection, which is at LOS “E”. In Abington, the intersection levels-of-service for pedestrian crossings are at LOS “C” for Route 139 at Route 18 and LOS “A” for Route 139 at Route 58. In Pembroke, three of the signalized intersections are at pedestrian LOS “D”, Washington Street at Schoosett Street (Route 139), Church Street (Route 139) at Oak Street, and Church Street (Route 139) at Route 3 Southbound Ramps. Two signalized intersections are at pedestrian LOS “C”, Church Street (Route 139) at North River Plaza, and Church Street (Route 139) at Old Oak Street. There is one intersection at pedestrian LOS “E”, Church Street (Route 139) at Route 3 Northbound Ramps.

The bicycle levels-of-service for the Route 139 corridor are shown in Figures 24, 25, and 26. The bicycle levels-of-service for westbound are indicated along the north side of Route 58 and the eastbound levels-of-service are indicated on the south side of Route 58 in Figures 24, 25, and 26.

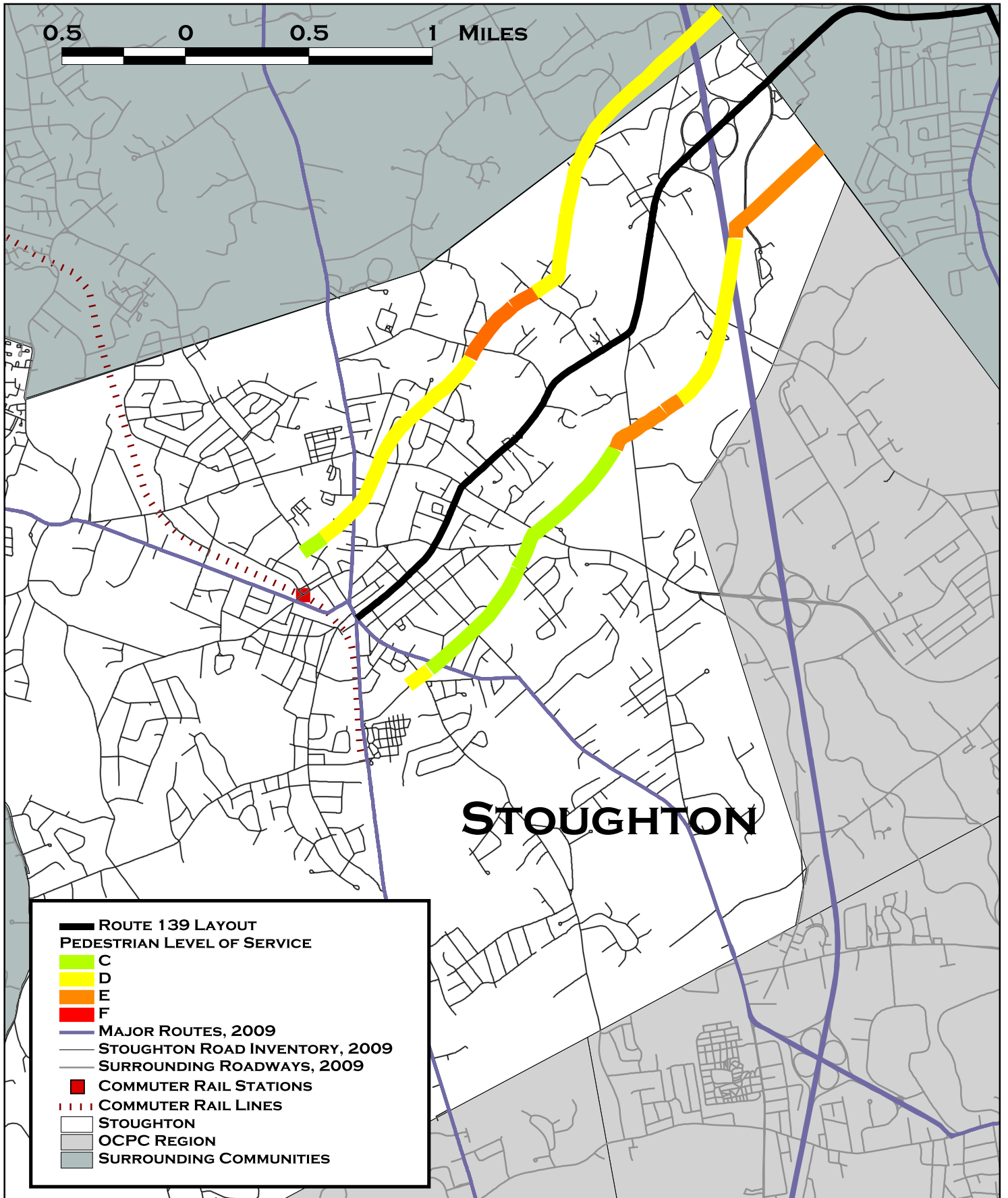
The pedestrian LOS along Route 139 varies in Stoughton from LOS “C” to LOS “E”. The pedestrian LOS between Downtown Stoughton and Capen Street on Route 139 in Stoughton, as shown in Figure 21, is at LOS “D” (Moderately Low compatibility) eastbound and at LOS “C” westbound (Moderately High). Between Capen Street and Old Maple Street, the pedestrian LOS is “D” westbound and “C” eastbound. The pedestrian LOS between Old Maple Street and Turnpike Street is at LOS “E” (Very Low compatibility) for both directions of travel. There are no sidewalks on either side of Route 139 in this section between Old Maple Street and Glen Echo Boulevard. On Route 139 between Turnpike Street and Page Street the pedestrian LOS is at LOS “D” for eastbound and westbound. The pedestrian LOS between Page Street and Kay Way is LOS “E” eastbound and LOS “D” westbound.

STOUGHTON PEDESTRIAN LEVEL OF SERVICE



FIGURE 21

0.5 0 0.5 1 MILES



**ROUTE 139 LAYOUT
PEDESTRIAN LEVEL OF SERVICE**

- C
- D
- E
- F

MAJOR ROUTES, 2009

STOUGHTON ROAD INVENTORY, 2009

SURROUNDING ROADWAYS, 2009

COMMUTER RAIL STATIONS

COMMUTER RAIL LINES

STOUGHTON

OCPC REGION

SURROUNDING COMMUNITIES

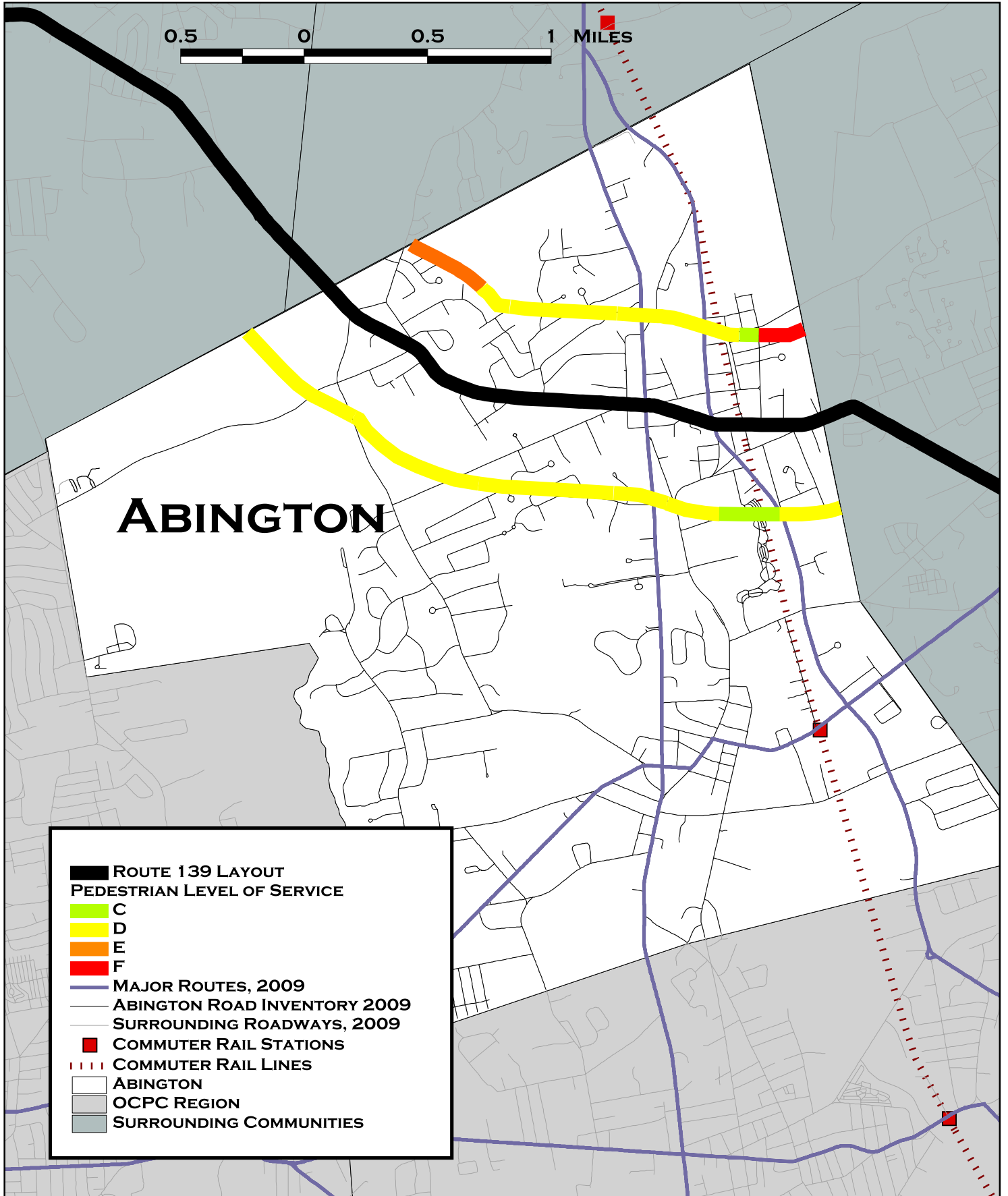


ABINGTON

PEDESTRIAN LEVEL OF SERVICE



FIGURE 22



- Route 139 LAYOUT
- PEDESTRIAN LEVEL OF SERVICE
 - C
 - D
 - E
 - F
- MAJOR ROUTES, 2009
- ABINGTON ROAD INVENTORY 2009
- SURROUNDING ROADWAYS, 2009
- COMMUTER RAIL STATIONS
- COMMUTER RAIL LINES
- ABINGTON
- OCPC REGION
- SURROUNDING COMMUNITIES

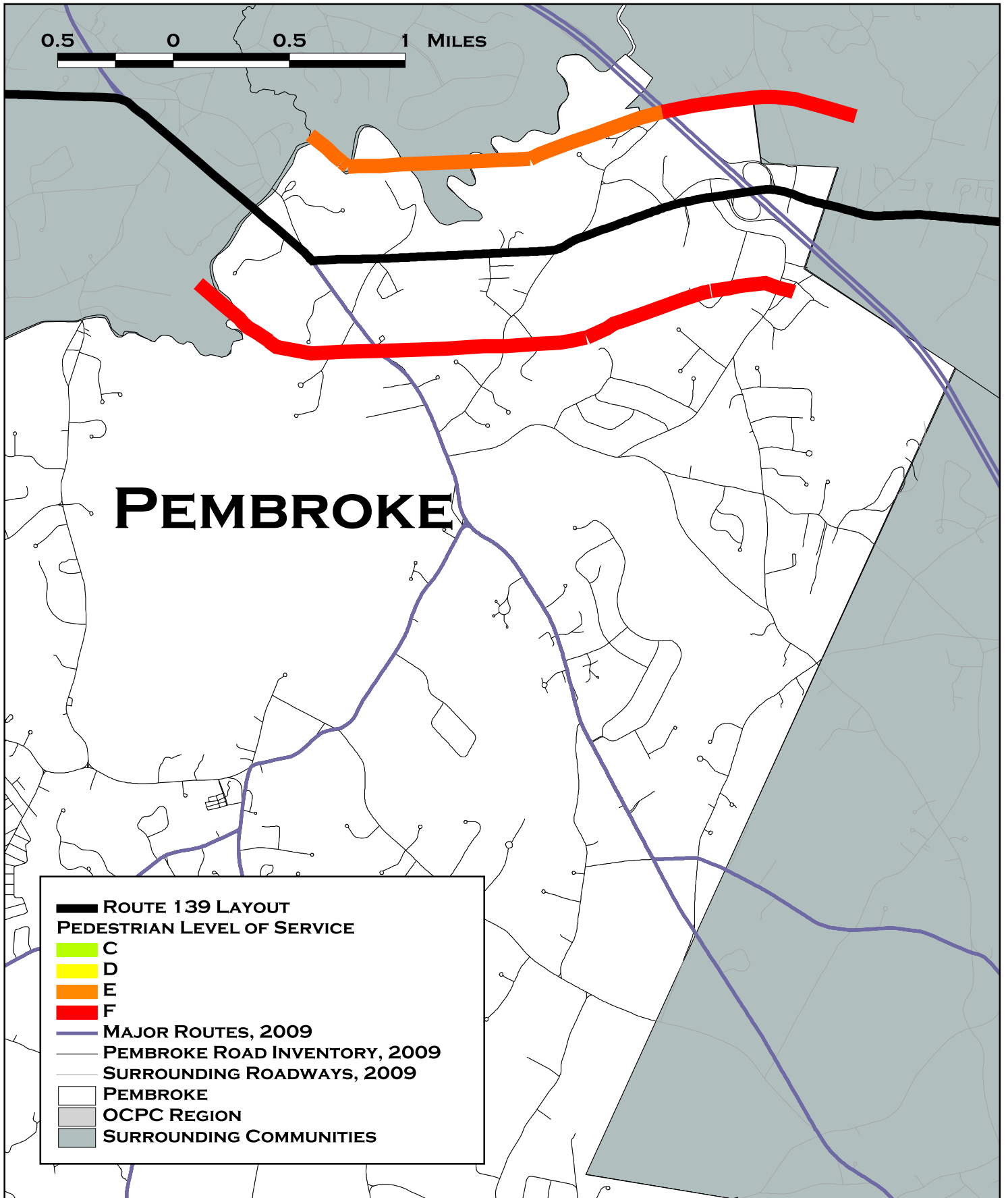


PEMBROKE

PEDESTRIAN LEVEL OF SERVICE



FIGURE 23



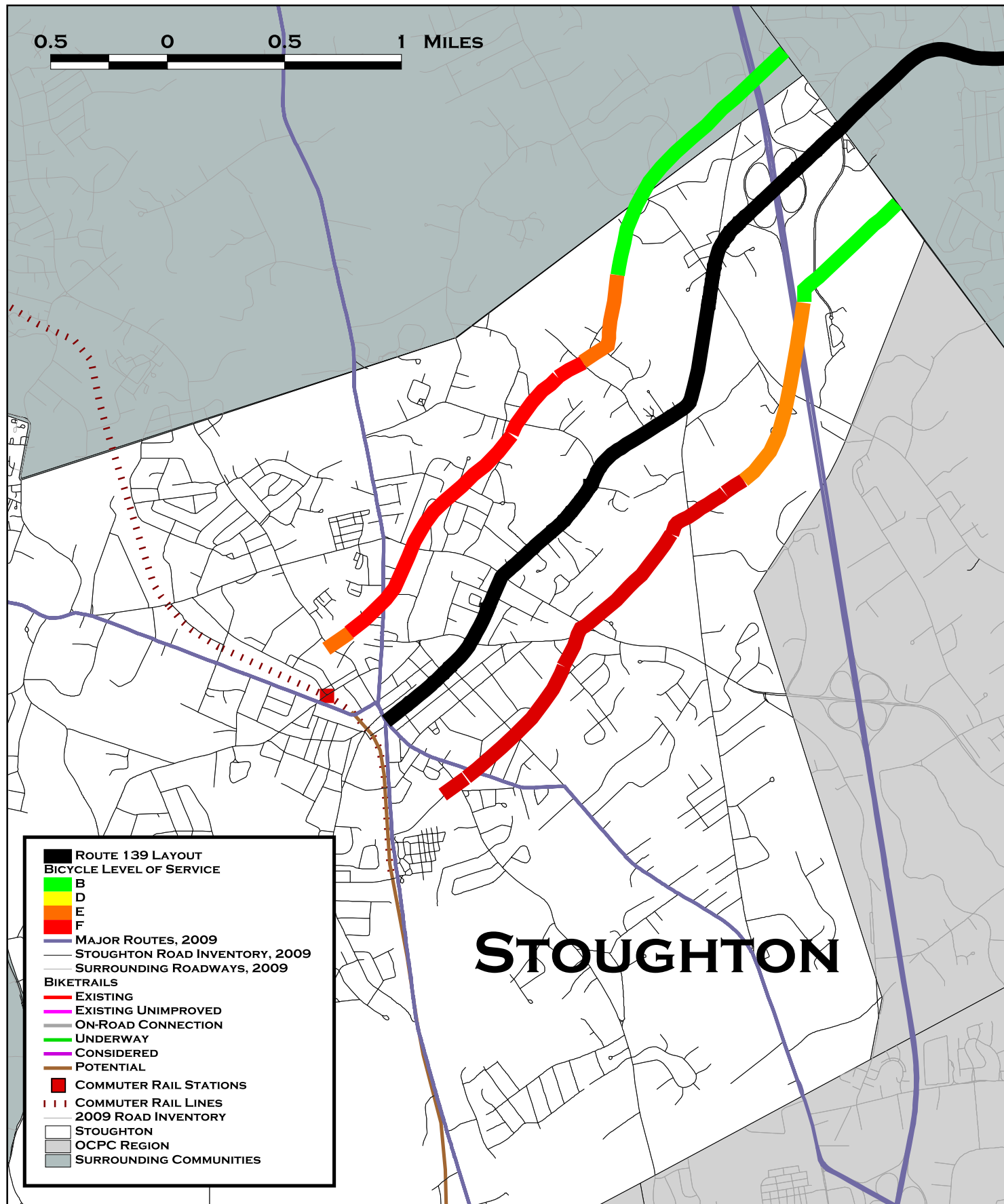
STOUGHTON

BICYCLE LEVEL OF SERVICE



FIGURE 24

0.5 0 0.5 1 MILES



- ROUTE 139 LAYOUT
- BICYCLE LEVEL OF SERVICE
 - B
 - D
 - E
 - F
- MAJOR ROUTES, 2009
- STOUGHTON ROAD INVENTORY, 2009
- SURROUNDING ROADWAYS, 2009
- BIKETRAILS
 - EXISTING
 - EXISTING UNIMPROVED
 - ON-ROAD CONNECTION
 - UNDERWAY
 - CONSIDERED
 - POTENTIAL
- COMMUTER RAIL STATIONS
- COMMUTER RAIL LINES
- 2009 ROAD INVENTORY
- STOUGHTON
- OCPC REGION
- SURROUNDING COMMUNITIES

STOUGHTON

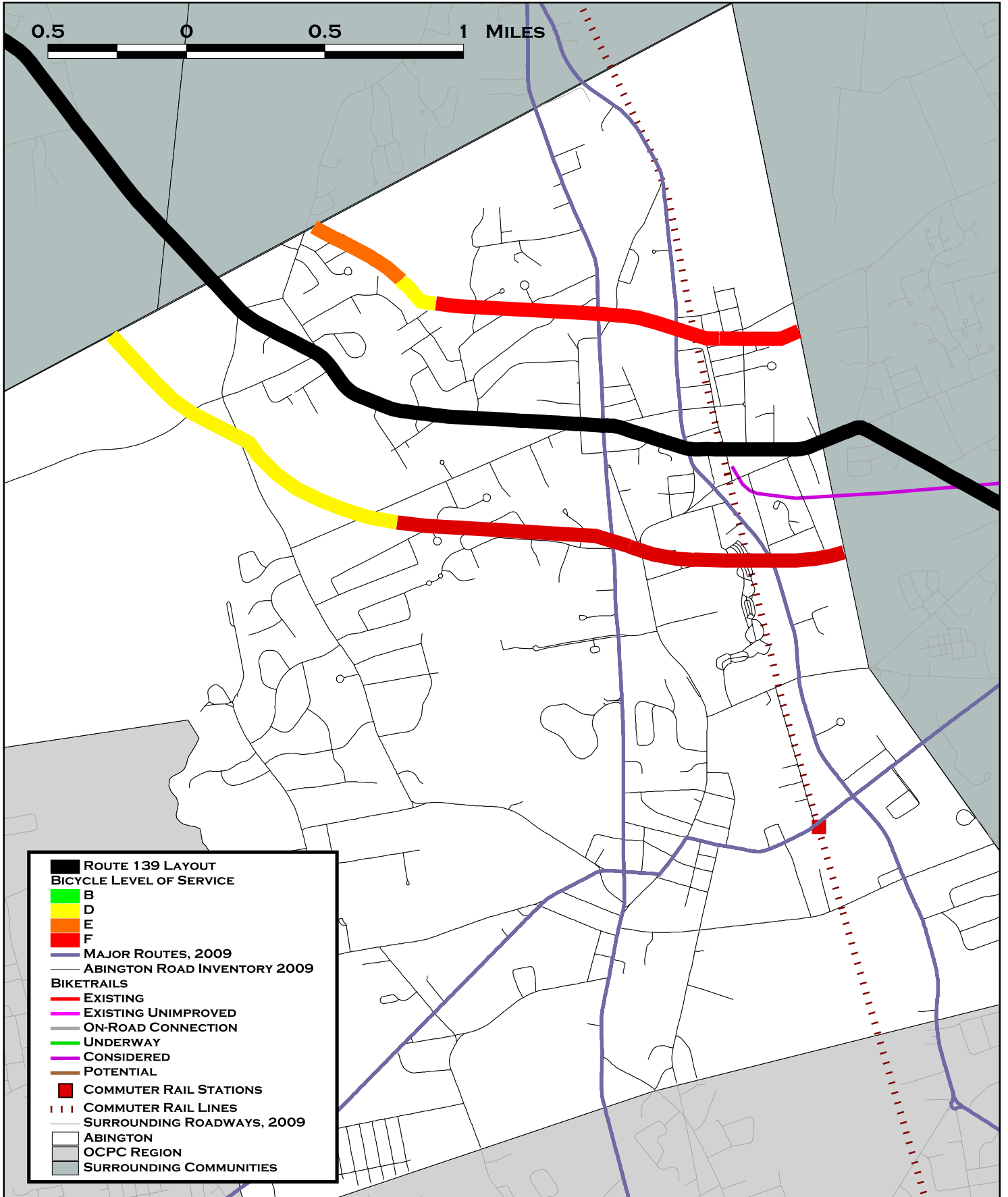


ABINGTON

BICYCLE LEVEL OF SERVICE



FIGURE 25



PEMBROKE

BICYCLE LEVEL OF SERVICE



FIGURE 26

0.5 0 0.5 1 MILES

PEMBROKE

- ROUTE 139 LAYOUT
- BICYCLE LEVEL OF SERVICE
 - B
 - D
 - E
 - F
- MAJOR ROUTES, 2009
- PEMBROKE ROAD INVENTORY, 2009
- SURROUNDING ROADWAYS, 2009
- BIKETRAILS
 - EXISTING
 - EXISTING UNIMPROVED
 - ON-ROAD CONNECTION
 - UNDERWAY
 - CONSIDERED
 - POTENTIAL
- COMMUTER RAIL STATIONS
- COMMUTER RAIL LINES
- PEMBROKE
- OCPC REGION
- SURROUNDING COMMUNITIES





The bicycle LOS in Stoughton is at LOS “F” (Extremely Low Compatibility) between Downtown Stoughton and Turnpike Street for both eastbound and westbound travel. The bicycle LOS is at LOS “E” between Turnpike Street and Page Street for eastbound and westbound travel, and LOS “B” between Page Street and Kay Way for eastbound and westbound.

In Abington, the pedestrian LOS for Route 139 is at LOS “D” (Moderately Low) for eastbound and westbound travel with two exceptions; between Adams Street (Route 58) and Spruce Street (within the North Abington Business District) the LOS is “C” for eastbound and westbound (Moderately High), and in the westbound direction, from Old Randolph Street the Weymouth Town Line, the LOS is “E” (Very Low Compatibility). The Bicycle LOS for most of Route 139 in Abington is at LOS “F” (Extremely Low Compatibility) between Taylor Street to the Rockland Town Line for both directions of travel. Between the Weymouth Town Line and Taylor Street, the LOS is “D” (Moderately Low) for eastbound. In the westbound direction, the bicycle LOS is at LOS “D” (Moderately Low Compatibility) between Taylor Street and Old Randolph Street, and LOS “E” (Very Low Compatibility) between Old Randolph Street and the Weymouth Town Line.

The pedestrian and bicycle levels-of-service for Route 139 in Pembroke are at LOS “E” (Very Low Compatibility) and LOS “F” (Extremely Low Compatibility) for both eastbound and westbound travel. Eastbound on Route 139, the pedestrian LOS is at LOS “F” (Extremely Low Compatibility) from the Hanover Town Line to the Marshfield Town Line. In the westbound direction, the pedestrian LOS is at LOS “F” (Extremely Low Compatibility) from the Marshfield Town Line to the North River Plaza. Between the North River Plaza and the Hanover Town Line, the pedestrian LOS is LOS “E” (Very Low Compatibility).

Eastbound on Route 139, the bicycle LOS is at LOS “F” (Extremely Low Compatibility) from the Hanover Town Line to Water Street. On Route 139, between Water Street and the North River Plaza, the bicycle LOS is at LOS “E” (Very Low Compatibility), and LOS “F” (Extremely Low Compatibility) from the North River Plaza eastbound to the Marshfield Town Line. Westbound, the bicycle LOS is at LOS “F” (Extremely Low Compatibility) from the Marshfield Town Line to the Hanover Town Line except for the section between North River Plaza and Water Street, which is LOS “E” (Very Low Compatibility).



III FUTURE CONDITIONS

Planned Improvements

The following table (Table 5) summarizes planned or recently completed improvements along the Route 139 Corridor in Stoughton, Abington, and Pembroke.

Table 5: Planned Route 139 Improvements

COMMUNITY	PROJECT	STATUS
Stoughton	Intersection Upgrades – Various Intersections	Completed 2008
Stoughton	Bridge deck replacement over Route 24	Completed 2010
Abington	Route 18 @ Route 139 Reconstruction and Signal Improvements	Completed 2005
Abington	Intersection Upgrade – Route 139 @ Route 58	Construction
Abington	Route 18 Widening and Reconstruction	Design - Programmed in 2010 Boston MPO TIP
Pembroke	Route 139 & Route 53 Improvements	Planned

Intersection Improvements, Stoughton: Several intersections along Route 139 were improved as mitigation for the Shoppes at Page Pointe development. Signal upgrades and/or geometric improvements were completed for the following intersections:

- Pleasant Street (Route 139) at Turnpike Street
- Turnpike Street (Route 139) at Page Street
- Lindelof Avenue (Route 139) at Turnpike Street / Shoppes at Page Pointe
- Lindelof Avenue (Route 139) at Kay Way / Technology Center Drive

In addition to these intersection improvements, Route 139 between Page Street and the bridge deck over Route 24 was widened and resurfaced. Construction of these improvements was completed in 2008.

Route 139 over Route 24 Bridge Deck Replacement, Stoughton: The bridge deck on the Route 139 over Route 24 overpass was recently replaced. Included in this project was resurfacing of the ramp entrances and exits, and striping enhancements. This project was completed in 2010.



Route 139 at Route 58 Reconstruction, Abington: This project is being completed as part of a Public Works Economic Development (PWED) Grant for the redevelopment of the North Abington Business District. Intersection-specific improvements include signal equipment, installation of countdown pedestrian signal with audible alerts for visually impaired, and reconstruction of pedestrian crossings for ADA compliancy. The project also includes the cold planing and resurfacing of all four approaches to the intersection. Construction of these improvements began in 2010, and is expected to be completed in 2011.

Route 18 Widening and Reconstruction, Weymouth to Abington: MassDOT Project Number 601630 involves the reconstruction and widening of Route 18 from Highland Place in Weymouth to the Route 139 intersection in Abington. At the time of this report, the project was listed as in the “preliminary design” phase and programmed in the 2010 element of the Metropolitan Area Planning Council’s Transportation Improvement Program.

Route 139 and Route 53 Improvements, Pembroke: MassDOT Project Number 604870 involves the resurfacing and related work at various locations along Routes 139 and Routes 53 in the Towns of Duxbury, Hanover, Marshfield, and Pembroke. At the time of this report, this project was listed as being in the “75% Design” Phase.

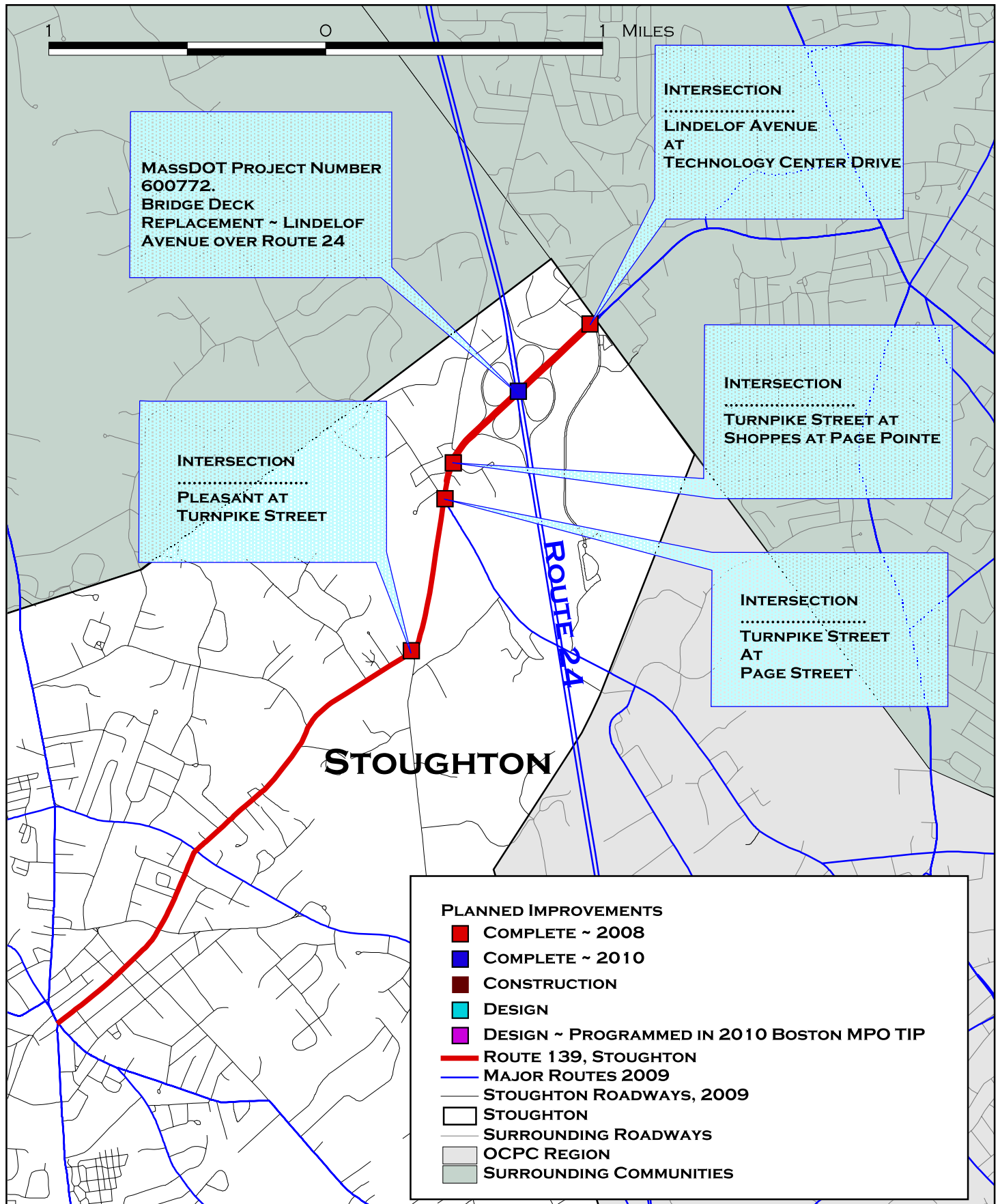
While there are no known planned developments of such scale to have a substantial impact on Route 139 traffic conditions, the Southfield Development (former South Weymouth Naval Air Station), and South Coast Rail developments may contribute to some traffic growth on Route 139 in Abington and Stoughton, respectively. These developments and any subsequent traffic impacts should be closely monitored by the State, municipalities, and regional planning agencies.

Furthermore, the redevelopment of the North Abington Business District may result in increased trip generation.

STOUGHTON PLANNED IMPROVEMENTS



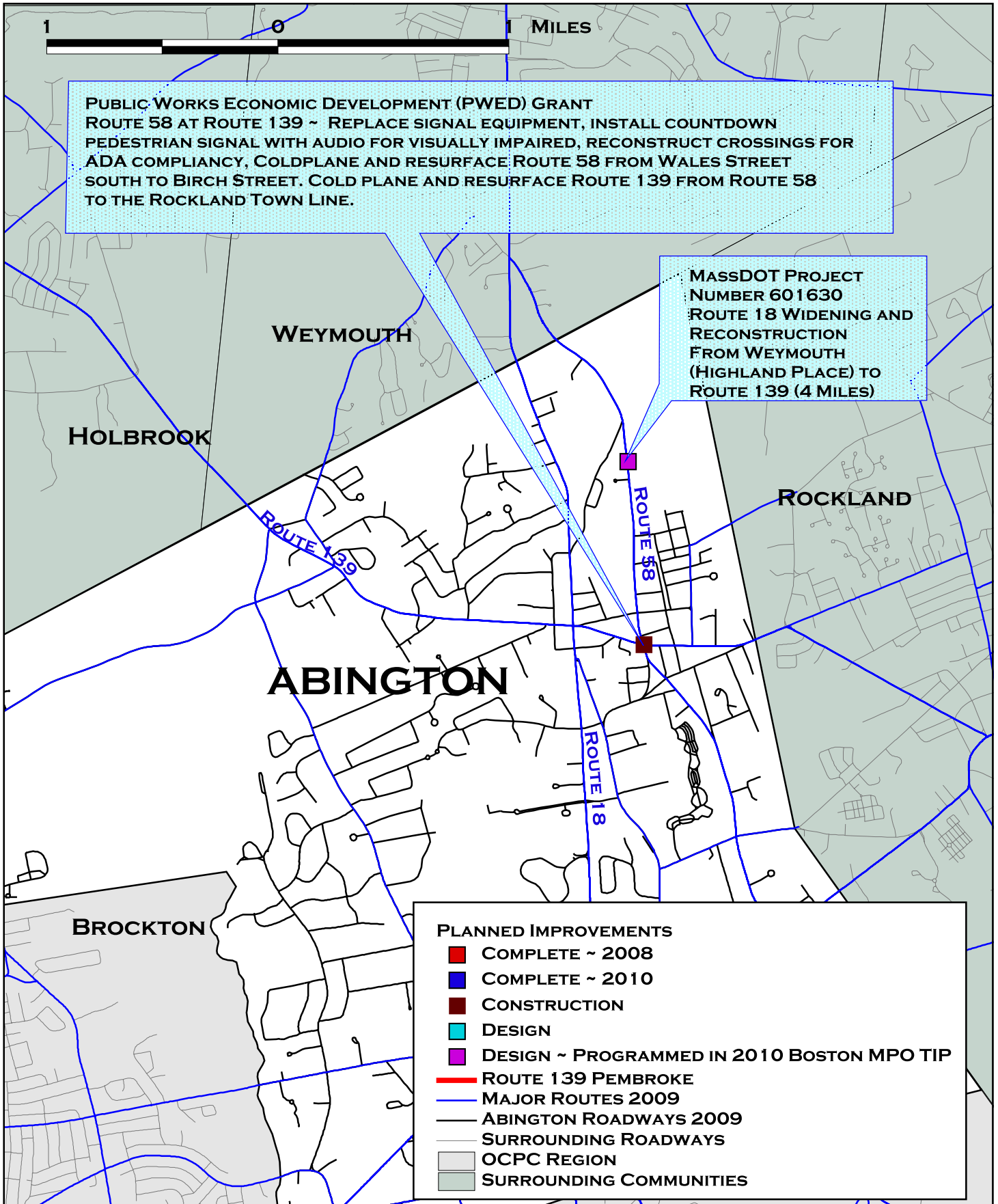
FIGURE 27



ABINGTON PLANNED IMPROVEMENTS



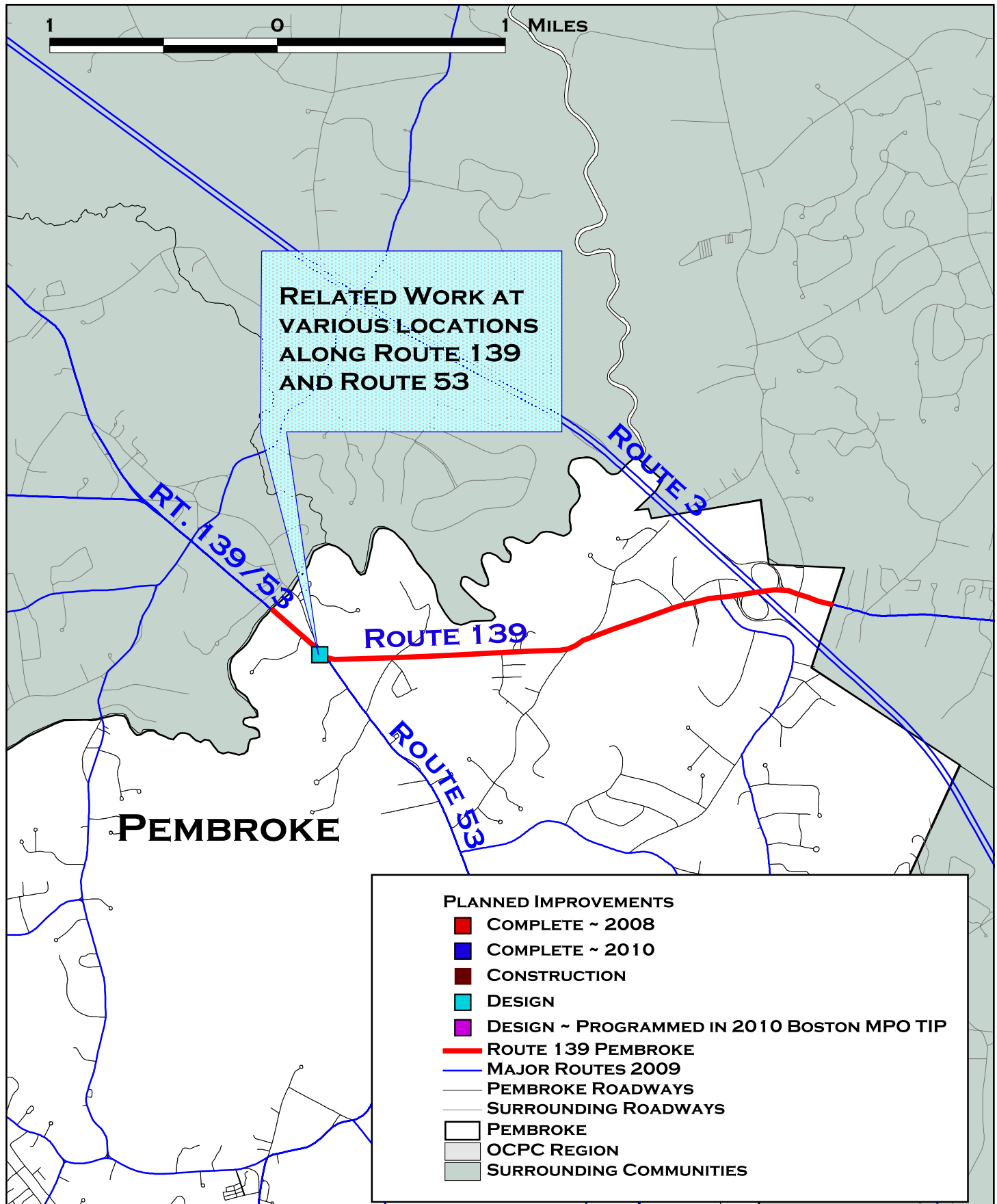
FIGURE 28



PEMBROKE PLANNED IMPROVEMENTS



FIGURE 29





Traffic Forecasts

Traffic volumes are projected for the five-year horizon year 2014 using the 2009 annual average growth rate of 1.0% for the Old Colony Region, based on recorded data collected as part of the Old Colony Traffic Counting Program. Table 6 contains the projected average daily traffic volumes for 2009.

Table 6 – Project Average Daily Traffic: 2014

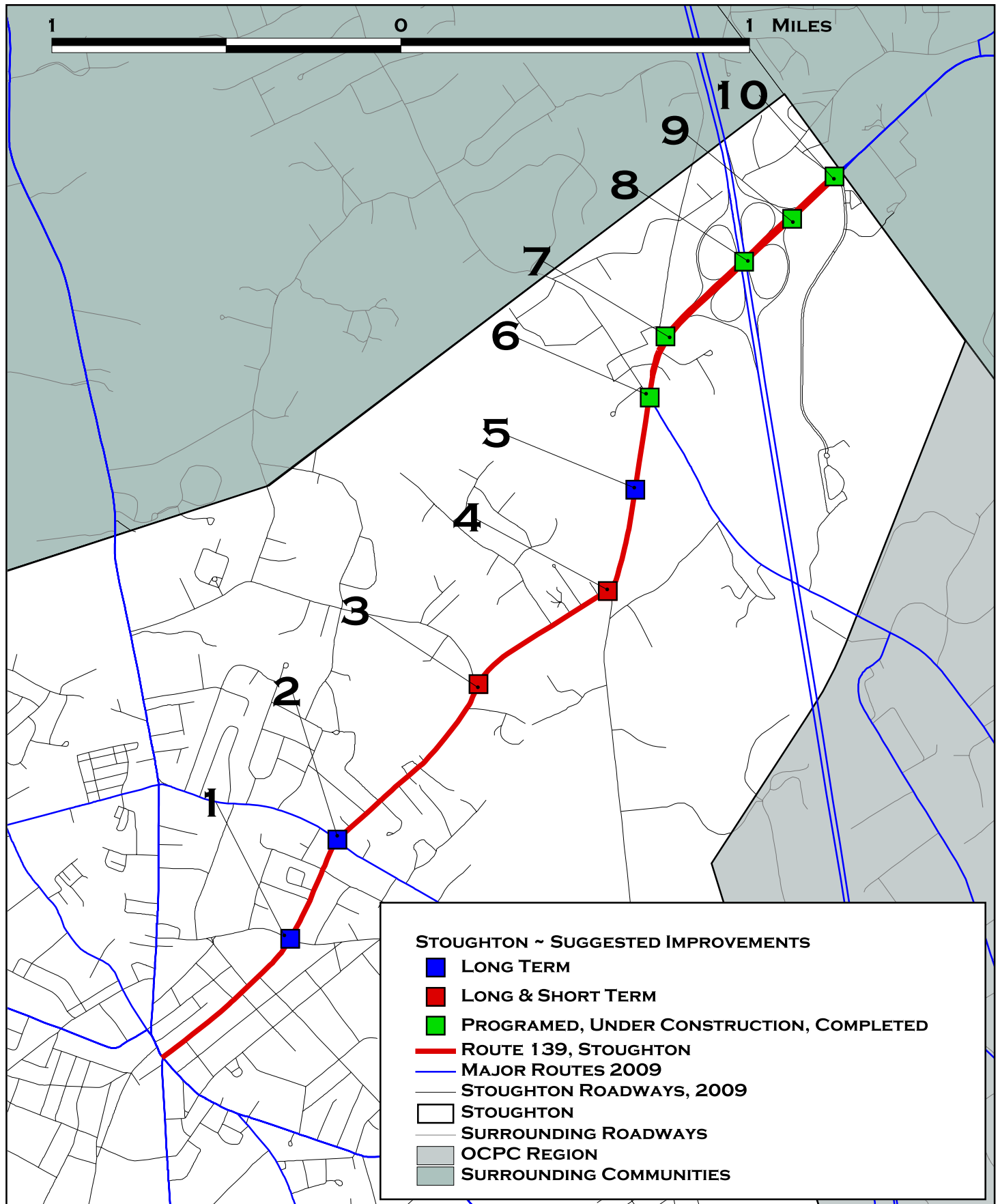
Town	Street	Location	Jurisdiction	Functional Classification	Average Daily Traffic	
					2009	Projected 2014
Stoughton	Pleasant Street	South of Union Street	Stoughton	Urban Principal Arterial	5,569	5,847
Stoughton	Pleasant Street	South of Lincoln Street	Stoughton	Urban Principal Arterial	8,843	9,285
Stoughton	Pleasant Street	South of Central Street	Stoughton	Urban Principal Arterial	9,072	9,526
Stoughton	Pleasant Street	South of Pine Street	Stoughton	Urban Principal Arterial	14,893	15,638
Stoughton	Turnpike Street	North of Pleasant Street	Stoughton	Urban Principal Arterial	19,426	20,397
Stoughton	Turnpike Street	North of Page Street	Stoughton	Urban Principal Arterial	22,199	23,309
Stoughton	Lindelof Avenue	East of Route 24	MassDOT	Urban Principal Arterial	35,210	36,971
Abington	Randolph Street	At Weymouth Town Line	Abington	Urban Principal Arterial	16,025	16,826
Abington	Randolph Street	West of Chestnut Street	Abington	Urban Principal Arterial	13,663	14,346
Abington	Randolph Street	West of Lincoln Street	Abington	Urban Principal Arterial	16,592	17,422
Abington	North Avenue	West of Adams Street	Abington	Urban Minor Arterial	13,934	14,631
Abington	North Avenue	East of Adams Street	Abington	Urban Minor Arterial	14,692	15,427
Abington	North Avenue	At Rockland Town Line	Abington	Urban Minor Arterial	16,608	17,438
Pembroke	Columbia Road	At Hanover Town Line	MassDOT	Urban Principal Arterial	23,791	24,981
Pembroke	Schooset Street	East of Washington Street	MassDOT	Urban Principal Arterial	16,809	17,649
Pembroke	Church Street	East of Water Street	MassDOT	Urban Principal Arterial	21,387	22,456
Pembroke	Church Street	West of Oak Street	MassDOT	Urban Principal Arterial	21,811	22,902
Pembroke	Church Street	Underneath Route 3	MassDOT	Urban Principal Arterial	45,476	47,750
Pembroke	Church Street	At Marshfield Town Line	MassDOT	Urban Principal Arterial	33,959	35,657

These volumes are illustrated in maps in the following figures (Figures 30, 31, and 32).

STOUGHTON SUGGESTED IMPROVEMENTS



FIGURE 30



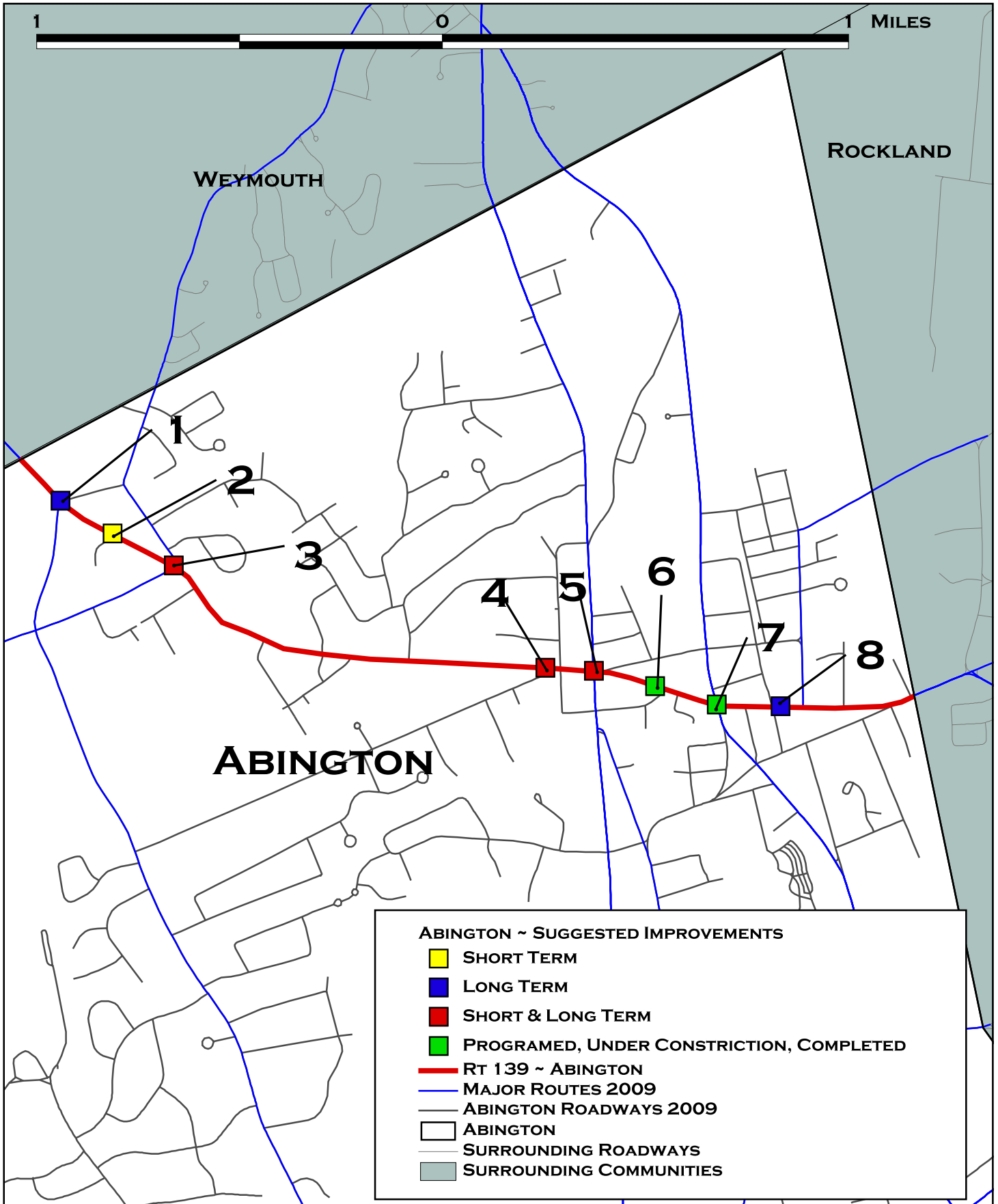
STOUGHTON SUGGESTED IMPROVEMENTS

ID#	Location	Color Code	Short Term	Long Term	Programmed, Construction or Completed
1	Pleasant Street (Route 139) at Lincoln Street, Stoughton			Reconstruct intersection with installation of traffic signals and geometric improvements	
2	Pleasant Street (Route 139) at Central Street, Stoughton			Adjust existing signals, to provide lead/lag left turn protection Provide sidewalks and upgrade existing pedestrian controls	
3	Pleasant Street (Route 139) at Pine Street, Stoughton		Improve sight lines through vegetative clearing Improve delineation of travel lanes through restriping with retroreflective paint	Reconstruct intersection with installation of traffic signals and geometric improvements	
4	Pleasant Street (Route 139) at Turnpike Street, Stoughton		Improve delineation of travel lanes through restriping with retroreflective paint	Reconstruct intersection with geometric improvements as part of larger Turnpike Street Reconstruction Project	
5	Turnpike Street (Route 139), between Page Street and Pleasant Street, Stoughton			Roadway reconstruction including repairing issue of settling earth underneath roadway	
6	Turnpike Street (Route 139) at Page Street, Stoughton				Intersection reconstructed in 2008
7	Lindelof Avenue (Route 139) at Turnpike Street, Stoughton				Intersection reconstructed in 2008
8	Lindelof Avenue (Route 139) between Page Street and Kay Way, Stoughton				Repaved (completed in 2010)
9	Lindelof Avenue (Route 139) at Route 24 Ramps, Stoughton				Ramp improvements completed in 2010 Deck over Route 24 reconstructed (completed in 2010)
10	Lindelof Avenue (Route 139) at Technology Center Drive / Kay Way, Stoughton				Geometric improvements completed in 2009

ABINGTON SUGGESTED IMPROVEMENTS



FIGURE 31



ABINGTON SUGGESTED IMPROVEMENTS

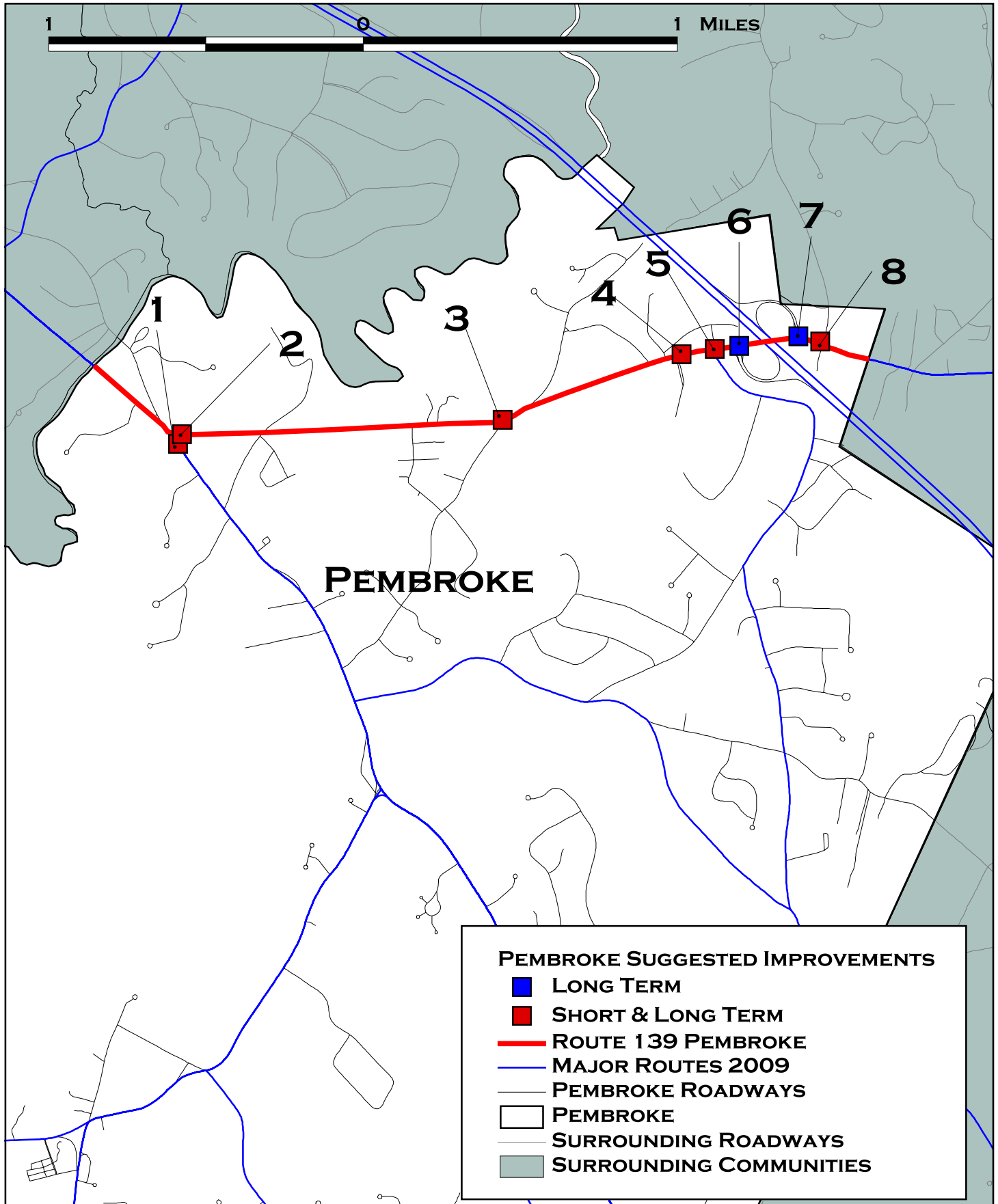
ID#	Location	Color Code	Short Term	Long Term	Programmed, Construction or Completed
1	Randolph Street (Route 139) from Randolph Town Line to Chestnut Street, Abington	Blue		Construct sidewalks	
2	Randolph Street (Route 139) at Hancock Street, Abington	Yellow	Increase visibility of intersection with repainted crosswalks and vegetative clearing		
3	Randolph Street (Route 139) at Chestnut Street, Abington	Red	Increase visibility of intersection with repainted crosswalks and vegetative clearing	Reconstruct intersection with installation of traffic signals and geometric improvements	
4	Randolph Street (Route 139) at Lincoln Street, Abington	Red	Make crosswalks consistent with crosswalks at other adjacent Route 139 intersections	Reconstruct intersection with installation of traffic signals and geometric improvements	
		Red		Coordinate future traffic signal installation with adjacent signals, to allow for efficient flow along Route 139	
5	Randolph Street (Route 139) at Bedford Street (Route 18), Abington	Red	Improvements to existing signal phases, such as Increase clearance (all-red) time and restricting right turns on red	Install left turn protection signals	
		Red	Enhance roadway striping including lane assignments and turning movement guide lines	Implement access management strategies, including consolidation of adjacent curb cuts	
		Red		Coordinate signal systems to improve traffic flow through Abington business districts	
6	North Avenue (Route 139) at Adams Street (Route 58), Abington	Green			Intersection currently being reconstructed with signal and geometric improvements
7	North Avenue (Route 139), Abington	Green			Roadway being resurfaced and landscape improvements as part of North Abington PWED Project
8	North Avenue (Route 139) at Railroad Grade Crossing	Blue		Install quad gates	
		Blue		Enhance announcement of approaching train with train whistles	

PEMBROKE

SUGGESTED IMPROVEMENTS



FIGURE 32



PEMBROKE SUGGESTED IMPROVEMENTS

ID#	Location	Color Code	Short Term	Long Term	Programmed, Construction or Completed
1 & 2	Columbia Road (Route 53/139) at Washington Street and Schoosett Street, Pembroke (2 intersections)		Clear vegetative growth on eastern edge of Columbia Road, to increase sight lines from the south	Signalize intersection of Columbia Road at Washington Street, and coordinate with adjacent signal at Washington Street at Schoosett Street Create a separate left turn storage area on northbound approach into plaza	
			Convert YIELD sign control of Schoosett Street right turn onto Columbia Road to STOP sign control		
			Install "No Turn On Red" controls on eastbound exit out of plaza		
			Install back plates on signal heads to prevent accidental red-light running		
3	Schoosett Street (Route 139) at Water Street, Pembroke		Clear vegetation and roadside fixture on southern edge of Route 139		
			Upgrade STOP sign and painted stop lines with retroreflective materials		
4	Church Street (Route 139) at Oak Street, Pembroke		Use LED bulbs in signal heads to enhance visibility	Widen Brigantine Village driveway exit to 2-lanes Provide pedestrian refuge area on island on Oak Street approach	
			Restripe lane striping where faded – maintain regularly		
5	Church Street (Route 139) at Route 3 Southbound Ramps, Pembroke		Install MUTCD compliant signage at crosswalk crossing On-Ramp from Route 139 Eastbound onto Route 3 SB	Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays Install pedestrian controls for existing crosswalk crossing ramps	
6	Church Street (Route 139) at Route 3 Northbound Ramps, Pembroke			Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays	
7	Church Street (Route 139), from North River Plaza to Marshfield Town Line			Reconstruct roadway with drainage improvements	
8	Church Street (Route 139) at Old Oak Street, Pembroke		Allow left turns from Church Street (both directions) on protected green arrow only	Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays	
			Replace existing bulbs with LED bulbs to prevent signals from blending into background sunlight		
			Restripe lane striping where faded – maintain regularly		



Projected Intersection Operations

Projected levels of service for intersections are calculated by applying the same methodology, used for forecasting mainline traffic volumes, to turning movement counts. Table 6 contains existing and projected levels of service for corridor intersections. The highlighted intersections are those intersections that are either currently congested, or expected to be congested in 2014, based on a calculated peak hour level of service grade of “E” or “F”.

Table 7: Existing 2009 and Projected 2014 Intersection Levels of Service

Community	Intersection	Control	Jurisdiction	NHS?	AM Peak Hour		PM Peak Hour	
					Existing	2014	Existing	2014
Stoughton	Pleasant Street (Route 139) at Prospect Street	Stop Sign	Town	No	F	F	F	F
Stoughton	Pleasant Street (Route 139) at Lincoln Street	Stop Sign	Town	No	C	D	F	F
Stoughton	Pleasant Street (Route 139) at Central Street	Signal	Town	No	D	D	F	F
Stoughton	Pleasant Street (Route 139) at Pine Street	Stop Sign	Town	No	F	F	F	F
Stoughton	Pleasant Street (Route 139) at Turnpike Street	Signal	Town	No	B	B	B	B
Stoughton	Turnpike Street (Route 139) at Page Street	Signal	Town	No	C	C	C	C
Stoughton	Lindelof Avenue (Route 139) Eastbound at AmVets Memorial Highway (Route 24) SB Ramps	Yield	MassDOT	No	E	F	F	F
Stoughton	Lindelof Avenue (Route 139) Westbound at AmVets Memorial Highway (Route 24) SB Ramps	Yield	MassDOT	No	C	C	F	F
Stoughton	Lindelof Avenue (Route 139) Eastbound at AmVets Memorial Highway (Route 24) NB Ramps	Yield	MassDOT	No	F	F	F	F
Stoughton	Lindelof Avenue (Route 139) Westbound at AmVets Memorial Highway (Route 24) NB Ramps	Yield	MassDOT	No	B	B	C	C
Stoughton	Lindelof Avenue (Route 139) at Kay Way/Technology Center Drive	Signal	Town	No	D	D	C	C
Abington	Randolph Street (Route 139) at Hancock Street/Old Randolph Street	Stop Sign	Town	No	F	F	F	F
Abington	Randolph Street (Route 139) at Chestnut Street / Old Randolph Street	Stop Sign	Town	No	F	F	F	F
Abington	Randolph Street (Route 139) at Lincoln Street	Stop Sign	Town	No	C	D	F	F
Abington	North Avenue / Randolph Street (Route 139) at Bedford Street (Route 18)	Signal	MassDOT	No	D	D	E	E
Abington	North Avenue (Route 139) at Adams Street (Route 58)	Signal	Town	No	B	B	C	C
Abington	North Avenue (Route 139) at Spruce Street	Stop Sign	Town	No	C	C	F	F
Pembroke	Columbia Road (Route 53/139) at Old Washington Street	Stop Sign	MassDOT	Yes	F	F	F	F
Pembroke	Washington Street (Route 53) at Schoosett Street (Route 139)	Signal	MassDOT	Yes	C	C	C	D
Pembroke	Schoosett Street (Route 139) at Water Street	Stop Sign	MassDOT	Yes	C	C	D	D
Pembroke	Church Street (Route 139) at Water Street	Stop Sign	MassDOT	Yes	B	B	C	C
Pembroke	Church Street (Route 139) at North River Plaza	Signal	MassDOT	Yes	B	B	B	B
Pembroke	Church Street (Route 139) at Oak Street	Signal	MassDOT	Yes	B	C	B	C
Pembroke	Church Street (Route 139) at Pilgrim Highway (Route 3) SB Ramps	Signal	MassDOT	Yes	C	C	E	F
Pembroke	Church Street (Route 139) at Pilgrim Highway (Route 3) NB Ramps	Signal	MassDOT	Yes	D	D	C	C
Pembroke	Church Street (Route 139) at Old Oak Street	Signal	MassDOT	Yes	D	E	F	F

Shading indicates intersection with LOS of 'E' of 'F'

NHS = National Highway System



IV IDENTIFIED PROBLEM AREAS AND RECOMMENDATIONS

Pleasant Street (Route 139) at Prospect Street, Stoughton

The intersection of Pleasant Street (Route 139) and Prospect Street is a three-way intersection with a STOP sign, STOP pavement letting and a “stop line” controlling the Prospect Street approach. Based on a calculated level of service, delays occur at the intersection in both the morning and afternoon peak demand hours, resulting in a level of service grade of “F”. The following table summarizes volumes and delays at this location:

Table 8: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Pleasant Street Eastbound	AM Peak Hour	492	n/a	517	n/a
	PM Peak Hour	559	n/a	587	n/a
Pleasant Street Westbound	AM Peak Hour	335	A	352	A
	PM Peak Hour	548	A	576	A
Prospect Street Northbound	AM Peak Hour	591	F	621	F
	PM Peak Hour	375	F	393	F

T - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Despite the delays to vehicles entering the intersection during the morning and afternoon peak demand hours, total daily traffic volume traveling through this intersection is relatively light, and none of the traffic signal warrants from the 2009 MUTCD are satisfied at this location. Furthermore, the calculated crash rate (0.43) is below the MassDOT District 5 regional average crash rate for un-signalized intersections.

Table 9: Suggested Improvements for Pleasant Street (Route 139) at Prospect Street

Objective	Short Term / Low Cost
Increase sight lines to and from the intersection	<ul style="list-style-type: none"> Clear roadside and overhanging vegetation
Manage peak hour delays	<ul style="list-style-type: none"> Monitor volumes and delays for worsening of conditions and/or satisfying of traffic signal warrants



Pleasant Street (Route 139) at Lincoln Street, Stoughton

The intersection of Pleasant Street and Lincoln Street in Stoughton has a crash rate of 1.69 crashes per million entering vehicles (MEV), substantially above the MassDOT District 5 regional average of 0.62/MEV for un-signalized intersections. Delays are also common at the intersection during the peak demand hours, with a level of service of “C” in the morning and “F” in the afternoon.

Table 10: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Pleasant Street Northbound	AM Peak Hour	392	n/a	412	n/a
	PM Peak Hour	355	n/a	373	n/a
Pleasant Street Southbound	AM Peak Hour	262	n/a	275	n/a
	PM Peak Hour	994	n/a	1043	n/a
Lincoln Street Eastbound	AM Peak Hour	119	C	125	C
	PM Peak Hour	202	F	212	F
Lincoln Street Westbound	AM Peak Hour	175	C	184	D
	PM Peak Hour	221	F	232	F

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 11: Crash Summary for Pleasant Street at Lincoln Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	24			Average Per Year:	8.00
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	16	66.67%	12:00-6:00 AM	0	0.00%
Rear-End	3	12.50%	6:00 AM-12:00 PM	5	20.83%
Not Reported / Unknown	2	8.33%	12:00-6:00 PM	13	54.17%
Head-On	1	4.17%	6:00 PM-12:00 AM	6	25.00%
Single Vehicle Crash	1	4.17%	Total	24	100.00%
Sideswipe, Same Direction	1	4.17%			
Total	24	100.00%	Morning Peak (7:00-9:00)	3	12.50%
			Afternoon Peak (4:00-6:00)	4	16.67%
Crashes With Injury:	8	33.33%			

The two most common types of collisions at this intersection are between vehicles approaching on the Pleasant Street southbound and Lincoln Street westbound approaches; and vehicles arriving on the opposing northbound and southbound approaches of Pleasant Street, presumably while one vehicle attempts a left turn in front of another oncoming vehicle.

Conditions at the intersection satisfy three of the 2009 MUTCD Traffic Signal Warrants: Warrant 2 – Four Hour Volumes; Warrant 7 – Crash Experience; and Warrant 8 – Roadway Network.



Table 12: Suggested Improvements for Pleasant Street (Route 139) at Lincoln Street

Objective	Short Term / Low Cost	Long Term / Higher Cost
Reduce collisions between oncoming northbound and southbound vehicles	<ul style="list-style-type: none"> • Speed Enforcement 	<ul style="list-style-type: none"> • Install traffic signals with turn protection
Reduce angled collisions between southbound and westbound vehicles		<ul style="list-style-type: none"> • Reconstruct intersection with geometric improvements and installation of traffic signals
Reduce driver confusion	<ul style="list-style-type: none"> • Enhance delineation of travel lanes with improved roadway striping 	<ul style="list-style-type: none"> • Implement access management strategies, including consolidation of adjacent curb cuts



Pleasant Street (Route 139) at Central Street, Stoughton

The intersection of Pleasant Street and Central Street in Stoughton has a crash rate of 1.33 crashes per million entering vehicles (MEV), substantially above the MassDOT District 5 regional average of 0.77/MEV for signalized intersections. Delays are common during the morning and afternoon peak demand hours at this busy intersection, resulting in an intersection level of service of “D” in the morning and “F” in the afternoon.

Table 13: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Pleasant Street Northbound	AM Peak Hour	828	E	869	E
	PM Peak Hour	392	B	412	B
Pleasant Street Southbound	AM Peak Hour	513	C	539	C
	PM Peak Hour	754	D	794	E
Central Street Eastbound (LT Lane)	AM Peak Hour	223	F	234	F
	PM Peak Hour	40	B	42	B
Central Street Eastbound (RT and Throughs)	AM Peak Hour	363	B	381	B
	PM Peak Hour	601	C	632	C
Central Street Westbound	AM Peak Hour	724	D	761	D
	PM Peak Hour	752	F	791	F
Intersection Level of Service	AM Peak Hour		D		D
	PM Peak Hour		F		F

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 14: Crash Summary for Pleasant Street at Central Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	46			Average Per Year:	15.33
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	21	45.65%	12:00-6:00 AM	7	15.22%
Rear-End	13	28.26%	6:00 AM-12:00 PM	16	34.78%
Head-On	5	10.87%	12:00-6:00 PM	12	26.09%
Not Reported/ Unknown	3	6.52%	6:00 PM-12:00 AM	11	23.91%
Sideswipe, Same Direction	2	4.35%	Total	46	100.00%
Single Vehicle Crash	1	2.17%			
Sideswipe, Opposite Direction	1	2.17%	Morning Peak (7:00-9:00)	11	23.91%
Total	46	100.00%	Afternoon Peak (4:00-6:00)	19	41.30%
Crashes With Injury:	7	15.22%			



About 46 percent of the crashes at this location are categorized as angled collisions, and of those 21 angled collisions, 6 (29%) were reported as between vehicles arriving in opposing eastbound and westbound approaches on Central Street, presumably with one vehicle turning left in front of an oncoming vehicle. The second most common type of angled collision was between vehicles arriving on the Pleasant Street northbound and Central Street westbound approaches.

Table 15: Recommendations for Improving Pleasant Street (Route 139) at Central Street

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce collisions between oncoming eastbound and westbound vehicles	<ul style="list-style-type: none"> • Speed Enforcement 	<ul style="list-style-type: none"> • Reconstruct intersection with dedicated left turn lanes, and left turn signal protection • Modify signals for lead/lag to allow for some turn protection
Reduce angled collisions between northbound and westbound vehicles	<ul style="list-style-type: none"> • Increase clearance (all-red) time • Restrict Right Turns on Red • Install back plates on signal heads to increase visibility of signals and prevent red-light running • Replace bulbs with brighter, LED bulbs to increase visibility of signals 	
Reduce driver confusion	<ul style="list-style-type: none"> • Enhance roadway striping including lane assignments and turning movement guide lines • Improve sight lines through clearing of roadside and overhanging vegetation 	<ul style="list-style-type: none"> • Implement access management strategies, including consolidation of adjacent curb cuts



Pleasant Street (Route 139) at Pine Street, Stoughton

The intersection of Pleasant Street and Pine Street in Stoughton has a crash rate of 0.65 crashes per million entering vehicles (MEV), above the MassDOT District 5 regional average of 0.62/MEV for un-signalized intersections. Due to a wide intersection layout and obstructed sight lines, entering from Pine Street onto Pleasant Street can be difficult and delays are common during the morning and afternoon peak demand hours, both of which have a level of service grade of “F”.

Table 16: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Pleasant Street Eastbound	AM Peak Hour	709	A	744	A
	PM Peak Hour	631	A	663	A
Pleasant Street Westbound	AM Peak Hour	642	n/a	674	n/a
	PM Peak Hour	866	n/a	909	n/a
Pine Street Southbound (Right Turns)	AM Peak Hour	327	C	343	C
	PM Peak Hour	97	C	102	C
Pine Street Southbound (Left Turns)	AM Peak Hour	327	F	343	F
	PM Peak Hour	489	F	514	F

T - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 17: Crash Summary for Pleasant Street at Pine Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	14			Average Per Year:	4.67
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	5	35.71%	12:00-6:00 AM	1	7.14%
Single Vehicle Crash	5	35.71%	6:00 AM-12:00 PM	4	28.57%
Sideswipe, Same Direction	1	7.14%	12:00-6:00 PM	7	50.00%
Head-On	1	7.14%	6:00 PM-12:00 AM	2	14.29%
Rear-End	1	7.14%	Total	14	100.00%
Sideswipe, Opposite Direction	1	7.14%			
Total	14	100.00%	Morning Peak (7:00-9:00)	3	21.43%
			Afternoon Peak (4:00-6:00)	1	7.14%
Crashes With Injury:	5	35.71%			

Of the five angled collisions on record from 2006 through 2008, 3 of them were between vehicles arriving on opposing eastbound and westbound approaches on Pleasant Street, presumably from a vehicle turning left onto Pine Street cutting in front of an oncoming westbound vehicle.

Existing conditions at this intersection satisfy four of the eight MUTCD Warrants for Traffic Signals, including: Warrant 1 – Eight Hour Vehicular Volumes Warrant 2 – Four Hour Volumes; Warrant 3 – Peak Hour Warrant; and Warrant 8 – Roadway Network Warrant.



Table 18: Comparison of 2014 No-Build and Traffic Signal Build Scenarios

		Projected 2014			
		No-Build		With Signals	
		HFR ¹	LOS	HFR ¹	LOS
Pleasant Street Eastbound	AM Peak Hour	744	A	744	B
	PM Peak Hour	663	A	663	B
Pleasant Street Westbound	AM Peak Hour	674	n/a	674	B
	PM Peak Hour	909	n/a	909	C
Pine Street Southbound (Right Turns)	AM Peak Hour	343	C	343	B
	PM Peak Hour	102	C	102	B
Pine Street Southbound (Left Turns)	AM Peak Hour	343	F	343	C
	PM Peak Hour	514	F	514	C
Intersection LOS	AM Peak Hour		n/a		B
	PM Peak Hour		n/a		C

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Conceptual analysis of this intersection with traffic signal installation indicates that signals could substantially improve the level of service on the Pine Street approach, while the entire intersection system would operate efficiently as well.

Table 19: Recommendations for Improving Pleasant Street (Route 139) at Pine Street

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce collisions between oncoming eastbound and westbound vehicles	<ul style="list-style-type: none"> • Speed Enforcement 	<ul style="list-style-type: none"> • Reconstruct intersection with geometric improvements and installation of traffic signals
Reduce run-off the road collisions	<ul style="list-style-type: none"> • Install guardrails with reflectors 	<ul style="list-style-type: none"> • Improve intersection and roadway lighting
Reduce driver confusion	<ul style="list-style-type: none"> • Enhance roadway striping with retroreflective street paint • Improve sight lines through clearing of roadside and overhanging vegetation 	



Pleasant Street (Route 139) at Turnpike Street, Stoughton

The intersection of Pleasant Street and Turnpike Street in Stoughton has a crash rate of 1.52 crashes per million entering vehicles (MEV), substantially above the MassDOT District 5 regional average of 0.77/MEV for signalized intersections. The intersection operates efficiently, with a level of service grade of “B” during both the morning and afternoon peak demand hours. Table 20 summarizes the crash history at this location/

Table 20: Crash Summary for Pleasant Street at Turnpike Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	34			Average Per Year:	11.33
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Rear-End	20	58.82%	12:00-6:00 AM	4	11.76%
Sideswipe, Same Direction	6	17.65%	6:00 AM-12:00 PM	14	41.18%
Angled	3	8.82%	12:00-6:00 PM	10	29.41%
Not Reported/ Unknown	2	5.88%	6:00 PM-12:00 AM	6	17.65%
Single Vehicle Crash	2	5.88%	Total	34	100.00%
Head-On	1	2.94%			
Total	34	100.00%	Morning Peak (7:00-9:00)	7	20.59%
			Afternoon Peak (4:00-6:00)	4	11.76%
Crashes With Injury:	6	17.65%			

Over half of the recorded crashes at this location from 2006 through 2008 were rear-end collisions, with also a significant number of sideswipe collisions between vehicles traveling in the same direction.

Pavement markings at this location are faded, and barely visible in spots. Additionally, pavement around the intersection is exhibiting significant distress, particularly on the westbound approach of Turnpike Street (Route 139). The distress includes cracking, polished aggregate, and distortion.

Table 21: Recommendations for Improving Pleasant Street (Route 139) at Turnpike Street

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce rear-end and sideswipe collisions	<ul style="list-style-type: none"> Resurface and restripe intersection, with clear lane delineation and stop lines 	<ul style="list-style-type: none"> Widen approaches of Turnpike Street (westbound, northbound) to include left turn storage lanes)
Evaluate recent intersection improvements	<ul style="list-style-type: none"> Tri-annual level of service and crash rate analysis to monitor intersection 	



Turnpike Street (Route 139) between Page Street and Pleasant Street Stoughton

This section of roadway is experiencing major distortion, reportedly from settling earth underneath the roadway. Reconstruction, with permanent repair of the base and settling earth, is recommended for this section of roadway. The Town, which owns the roadway, desires to transfer ownership of this roadway to the Massachusetts Department of Transportation.



Turnpike Street (Route 139) at Page Street, Stoughton

The intersection of Turnpike Street and Page Street in Stoughton has a crash rate of 1.66 crashes per million entering vehicles (MEV), substantially above the MassDOT District 5 regional average of 0.77/MEV for signalized intersections. The traffic signals at this location are operating with an acceptable level of service rating of “C” during both the morning and afternoon peak demand hours.

Table 22: Crash Summary for Turnpike Street at Page Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	50			Average Per Year:	16.67
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	17	34.00%	12:00-6:00 AM	5	10.00%
Rear-End	12	24.00%	6:00 AM-12:00 PM	18	36.00%
Sideswipe, Same Direction	9	18.00%	12:00-6:00 PM	19	38.00%
Single Vehicle Crash	7	14.00%	6:00 PM-12:00 AM	8	16.00%
Not Reported / Unknown	2	4.00%	Total	50	100.00%
Sideswipe, Opposite Direction	2	4.00%			
Head-On	1	2.00%	Morning Peak (7:00-9:00)	7	14.00%
Total	50	100.00%	Afternoon Peak (4:00-6:00)	4	8.00%
Crashes With Injury:	14	28.00%			

Of the fifty collisions occurring at the intersection from 2006 through 2008, the two most common types of collisions were angled collisions (accounting for 34% of the crashes) and rear-end collisions (accounting for 24% of crashes). The geometric layout of the intersection is heavily skewed, resulting in a wide cross section through the intersection as well as restricted sight lines.

The intersection was recently improved as part of mitigation for the Shoppes at Page Pointe development on the northeastern parcel abutting the location. These improvements, completed in 2008, included new signal equipment, repaving of the surface, geometric improvements, and reflective thermoplastic road striping.

Improvements at the intersection were recently completed in 2008. Furthermore, construction corresponding to the time frame of data analysis (2006-2008) may have contributed to a temporary increase in the number of crashes due to changing road conditions and driver distraction.

Table 23: Recommendations for Turnpike Street (Route 139) at Page Street

Objective	Short Term / Low Cost
Evaluate recent intersection improvements	<ul style="list-style-type: none"> Tri-annual level of service and crash rate analysis to monitor intersection



Lindelof Avenue (Route 139) at Route 24, Stoughton

The junction of Route 139 and Route 24 is a full cloverleaf design with a designated ramp for each entering and exiting movement. Each off-ramp is controlled by YIELD signs as it merges with Lindelof Avenue. For the duration of recent reconstruction of the Lindelof Avenue bridge over Route 24, the YIELD controls had been temporarily converted to STOP sign controls. Construction was completed in 2010, and the YIELD sign controls were reinstalled.

Table 24: Existing and Five Year Projected Level of Service for Route 24 Ramps

	Existing 2009 LOS		Projected 2014 LOS	
	AM Peak Hour	PM Peak Hour	AM Peak Hour	PM Peak Hour
Route 24 SB to Route 139 EB	E	F	F	F
Route 24 SB to Route 139 WB	C	F	C	F
Route 24 NB to Route 139 EB	F	F	F	F
Route 24 NB to Route 139 WB	B	C	B	C

Recommendation: It is recommended that roadway striping continue to be maintained in order to clearly delineate travel lanes, and “shark teeth” painted on the ramps to emphasize the YIELD

Table 25: Recommendations for Turnpike Street (Route 139) at Route 24

Objective	Short Term / Low Cost
Enhance safety at merging between off-ramp and roadway	<ul style="list-style-type: none"> Continued to maintain roadway striping in order to clearly delineate travel lanes, and “shark teeth” painted on the ramps to emphasize the YIELD



Lindelof Avenue (Route 139) at Technology Center Drive / Kay Way, Stoughton

Lindelof Avenue at Technology Center Drive and Kay Way is a very busy four-way signalized intersection with a calculated level of service that indicates the intersection is experiencing near-congested conditions during the morning and afternoon peak demand hours. Table 26 summarizes existing and five-year projected levels of service for this intersection.

Table 26: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Lindelof Avenue Eastbound	AM Peak Hour	1670	C	1753	D
	PM Peak Hour	1442	C	1515	C
Lindelof Avenue Westbound	AM Peak Hour	1034	D	1085	E
	PM Peak Hour	1317	C	1383	C
Technology Center Drive Northbound	AM Peak Hour	170	C	179	C
	PM Peak Hour	504	C	530	C
Kay Way Southbound	AM Peak Hour	990	E	1039	E
	PM Peak Hour	614	C	645	C
Kay Way Southbound	AM Peak Hour		D		D
	PM Peak Hour		C		C

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 27: Recommendations for Lindelof Avenue (Route 139) at Technology Center Drive / Kay Way

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Evaluate recent intersection improvements	<ul style="list-style-type: none"> • Tri-annual level of service and crash rate analysis to monitor intersection 	
Improve safety and mobility for pedestrians		<ul style="list-style-type: none"> • Upgrade traffic signal system to include pedestrian controls • Construction of sidewalks on Technology Center Drive and Route 139 in Stoughton and Randolph



Randolph Street / Richard Fitts Drive (Route 139) at Hancock Street, Abington

The intersection of Randolph Street / Richard Fitts Drive (Route 139) at Hancock Street is a four-way un-signalized intersection with single lane approaches on Route 139 and Hancock Street. A one-way roadway exits away from the intersection opposite Hancock Street.

Table 28: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Randolph Street Eastbound	AM Peak Hour	367	A	386	A
	PM Peak Hour	1098	A	1153	A
Randolph Street Westbound	AM Peak Hour	1033	A	1085	A
	PM Peak Hour	415	A	436	A
Hancock Street Northbound	AM Peak Hour	324	F	340	F
	PM Peak Hour	172	F	181	F

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 29: Recommendations for Richard Fitts Drive (Route 139) at Hancock Street, Abington

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Improve safety and mobility for pedestrians	<ul style="list-style-type: none"> Enhance visibility and enforcement of crosswalks with MUTCD compliant signage 	<ul style="list-style-type: none"> Construction of sidewalks along eastbound side of Route 139 (to correspond with existing crosswalks)
Improve sight to and from intersection	<ul style="list-style-type: none"> Improve sight lines through clearing of roadside and overhanging vegetation Remove/relocate signage and other roadside objects obscuring sight lines 	



Randolph Street / Richard Fitts Drive (Route 139) at Chestnut Street, Abington

The intersection of Route 139 and Chestnut Street has a level of service of “F” from the stop sign controlled Chestnut Street approach during both the morning and afternoon peak demand hours, as well as a crash rate that is above the MassDOT District Five regional crash rate for un-signalized intersections.

Table 30: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Richard Fitts Drive Eastbound	AM Peak Hour	261	A	274	A
	PM Peak Hour	710	A	745	A
Randolph Street Westbound	AM Peak Hour	1260	A	1323	A
	PM Peak Hour	780	A	819	A
Chestnut Street Northbound	AM Peak Hour	301	F	316	F
	PM Peak Hour	268	F	281	F
Old Randolph Street Southbound	AM Peak Hour	235	F	246	F
	PM Peak Hour	251	F	264	F

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 31: Crash Summary for Randolph Street (Route 139) at Chestnut Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	18			Average Per Year:	6.00
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	12	66.67%	12:00-6:00 AM	5	27.78%
Rear-End	3	16.67%	6:00 AM-12:00 PM	5	27.78%
Single Vehicle Crash	2	11.11%	12:00-6:00 PM	7	38.89%
Sideswipe	1	5.56%	6:00 PM-12:00 AM	1	5.56%
Total	18	100.00%	Total	18	100.00%
			Morning Peak (7:00-9:00)	4	22.22%
			Afternoon Peak (4:00-6:00)	3	16.67%
Crashes With Injury:	4	22.22%			



Table 32: Recommendations for Randolph Street (Route 139) at Chestnut Street, Abington

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce frequency and severity of angled collisions	<ul style="list-style-type: none"> • Speed Enforcement 	<ul style="list-style-type: none"> • Reconstruct intersection with geometric improvements and installation of traffic signals
Improve safety and mobility for pedestrians	<ul style="list-style-type: none"> • Re-stripe crosswalks and stop lines with reflecting street paint • Enhance visibility of crosswalk with improved signage 	
Improve sight to and from intersection	<ul style="list-style-type: none"> • Improve sight lines through clearing of roadside and overhanging vegetation 	



Randolph Street (Route 139) at Lincoln Street, Abington

Synopsis: Randolph Street and Lincoln Street form a 3-way intersection, with a STOP sign control on the Lincoln Street approach. Queues and subsequent delays result in a level of service rating of “F” during the afternoon peak demand hour.

Table 33: Existing and Five Year Projected Level of Service

		2009		Projected 2014			
				No-Build		Conceptual Signal	
		HFR ¹	LOS	HFR ¹	LOS	HFR ¹	LOS
Randolph Street Eastbound	AM Peak Hour	457	n/a	481	n/a	481	A
	PM Peak Hour	915	n/a	961	n/a	961	D
Randolph Street Westbound	AM Peak Hour	1036	n/a	1089	n/a	1089	A
	PM Peak Hour	745	n/a	782	n/a	782	D
Lincoln Street Northbound	AM Peak Hour	273	C	287	D	287	D
	PM Peak Hour	218	F	229	F	229	D
Intersection LOS	AM Peak Hour						B
	PM Peak Hour						D

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 34: Crash Summary for Randolph Street (Route 139) at Lincoln Street

Analysis of Three Year Crash History (2006-2008)						
Total # Crashes:	1			Average Per Year:		0.33
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total	
Rear-End	1	100.00%	12:00-6:00 AM	0	0.00%	
Total	1	100.00%	6:00 AM-12:00 PM	0	0.00%	
			12:00-6:00 PM	1	100.00%	
			6:00 PM-12:00 AM	0	0.00%	
			Total	1	100.00%	
			Morning Peak (7:00-9:00)	0	0.00%	
			Afternoon Peak (4:00-6:00)	0	0.00%	
Crashes With Injury:	0	0.00%				

The following deficiencies were identified through data analysis, consultation with community officials, and site visit observations:

- Platoons of accelerating vehicles proceeding westbound from the nearby signalized intersection of Randolph Street (Route 139) and Bedford Street (Route 18) contribute to delays for left turning vehicles from Lincoln Street
- Eastbound queues from Randolph Street (Route 139) and Bedford Street (Route 18) traffic signals obstruct intersection
- Vegetation and utility poles on eastbound side of Route 139 obstruct sight lines from Lincoln Street of vehicles approaching intersection from the west
- Crosswalk type (parallel bars) are not consistent with crosswalks (Zebra Striped) at adjacent Temple Street intersection



Table 35: Recommendations for Randolph Street (Route 139) at Lincoln Street, Abington

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce Delays		<ul style="list-style-type: none"> • Reconstruct intersection, with widened Lincoln Street approach and fully actuated traffic signal controls, coordinated with traffic signals at Route 18 and Route 58
Improve safety and mobility for pedestrians	<ul style="list-style-type: none"> • Re-stripe crosswalks to be consistent with crosswalks at adjacent intersections • Enhance visibility of crosswalk with improved signage 	
Improve sight to and from intersection	<ul style="list-style-type: none"> • Improve sight lines through clearing of roadside and overhanging vegetation 	<ul style="list-style-type: none"> • Relocate utility pole of eastbound Route 139 approach



Randolph Street (Route 139) at Bedford Street (Route 18), Abington

Table 36: Existing and Five Year Projected Level of Service

		2009		Projected 2014			
				No-Build		Conceptual Signal	
		HFR ¹	LOS	HFR ¹	LOS	HFR ¹	LOS
Randolph Street Eastbound	AM Peak Hour	845	D	886	D	886	D
	PM Peak Hour	1,207	E	1,266	E	1,266	E
North Avenue Westbound	AM Peak Hour	822	D	863	D	863	E
	PM Peak Hour	738	D	773	D	773	D
Bedford Street Northbound	AM Peak Hour	1,446	C	1,517	D	1,517	E
	PM Peak Hour	873	D	1,020	E	1,020	E
Bedford Street Southbound	AM Peak Hour	689	D	722	D	722	E
	PM Peak Hour	1,346	E	1,412	F	1,412	F
Intersection LOS	AM Peak Hour		D		D		E
	PM Peak Hour		E		E		E

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 37: Crash Summary for Randolph Street (Route 139) at Bedford Street (Route 18)

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	103			Average Per Year:	34.33
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	44	42.72%	12:00-6:00 AM	12	11.65%
Rear-End	30	29.13%	6:00 AM-12:00 PM	38	36.89%
Sideswipe, Same Direction	16	15.53%	12:00-6:00 PM	38	36.89%
Not Reported/ Unknown	9	8.74%	6:00 PM-12:00 AM	15	14.56%
Single Vehicle Crash	3	2.91%	Total	103	100.00%
Sideswipe, Opposite Direction	1	0.97%			
Total	103	100.00%	Morning Peak (7:00-9:00)	11	10.68%
			Afternoon Peak (4:00-6:00)	19	18.45%
Crashes With Injury:	25	24.27%			



Table 38: Suggested Strategies for Improving Safety and Efficiency

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce collisions between oncoming eastbound and westbound vehicles		<ul style="list-style-type: none"> • Install left turn protection signals
Reduce angled collisions between northbound and westbound vehicles	<ul style="list-style-type: none"> • Increase clearance (all-red) time • Restrict Right Turns on Red 	
Reduce congestion along Route 139		<ul style="list-style-type: none"> • Coordinate signal systems to improve traffic flow through Abington business districts
Reduce driver confusion	<ul style="list-style-type: none"> • Enhance roadway striping including lane assignments and turning movement guide lines 	<ul style="list-style-type: none"> • Implement access management strategies, including consolidation of adjacent curb cuts



North Avenue (Route 139) at Adams Street (Route 58), Abington

Table 39: Existing and Five Year Projected Level of Service

		2009 HFR ¹ LOS		Projected 2014			
				No-Build HFR ¹ LOS		Conceptual Signal HFR ¹ LOS	
North Avenue Eastbound	AM Peak Hour	555	B	583	C	886	C
	PM Peak Hour	705	D	740	D	1,266	D
North Avenue Westbound	AM Peak Hour	632	B	665	B	863	E
	PM Peak Hour	514	B	620	B	773	B
Plymouth Street Northbound	AM Peak Hour	684	B	717	B	1,517	D
	PM Peak Hour	389	B	409	B	1,020	C
Adams Street Southbound	AM Peak Hour	345	B	362	B	722	B
	PM Peak Hour	667	C	701	D	1,412	D
Intersection LOS	AM Peak Hour		B		D		D
	PM Peak Hour		C		C		C

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 40: Crash Summary for North Avenue (Route 139) at Adams Street (Route 58)

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	26			Average Per Year:	8.67
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	12	46.15%	12:00-6:00 AM	1	3.85%
Rear-End	11	42.31%	6:00 AM-12:00 PM	10	38.46%
Sideswipe, Opposite Direction	2	7.69%	12:00-6:00 PM	8	30.77%
Head-On	1	3.85%	6:00 PM-12:00 AM	7	26.92%
Total	26	100.00%	Total	26	100.00%
			Morning Peak (7:00-9:00)	4	15.38%
			Afternoon Peak (4:00-6:00)	2	7.69%
Crashes With Injury:	5	19.23%			

Of the twelve angled collisions reported at the intersection, five were collisions between opposing oncoming directions (3 northbound vs. southbound; 2 eastbound vs. westbound). These types of collisions may be prevented with left turn protection signal phasing and dedicated left turn lanes. Rear-end collisions also comprise a significant portion of the crashes at this location. Suggested improvement measures are outlined in Table 41. Intersection improvements were initiated in 2010 as part of a Public Works and Economic Development grant for North Abington Business District improvements. To evaluate the effectiveness of these improvements, Old Colony Planning Council will monitor this intersection in the coming years.



Table 41 – Suggested improvement Measures for North Avenue (Route 139) at Adams Street (Route 58)

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce collisions between opposing oncoming vehicles (northbound/southbound; eastbound/westbound)		<ul style="list-style-type: none"> • Configure phasing with lead/lag phases • Reconstruct intersection with left turn lanes and left turn signal protection
Reduce angled collisions between northbound vs. eastbound perpendicular movements	<ul style="list-style-type: none"> • Increase clearance (all-red) time • Restrict Right Turns on Red 	<ul style="list-style-type: none"> • Reconstruct intersection with shared through / right turn lanes
Ease congestion along Route 139		<ul style="list-style-type: none"> • Coordinate signal systems to improve traffic flow through Abington business districts
Reduce Rear-End Collisions	<ul style="list-style-type: none"> • Replace existing signal bulbs with LED bulbs • Enhance advanced warning of signals with signage 	



North Avenue (Route 139) at Railroad Crossing, Abington

Three sets of railroad tracks cross North Avenue (Route 139) just east of Railroad Street and west of Spruce Street. A dual gate system blocks approach lanes as trains approach and cross, along with flashing red lights and an audible warning (bells). Shorter arm gates block sidewalks on each side; however the receiving lane on either side of the grade crossing is un-gated. With the triple track layout, there is ample room for vehicles to maneuver around downed gates blocking the approach lanes. The grade crossing has been the site of two collisions between passenger vehicles and trains from 2006 through 2008. In addition to the gate system, on street painting alerts drivers to the grade crossing, along with advance signage.



Photo: Crossing gates in down position at North Avenue MBTA crossing.



Table 42 - Suggested improvement Measures for North Avenue (Route 139) at Railroad Crossing

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce collisions between vehicles and trains	<ul style="list-style-type: none">• Use train horns well in advance of crossing	<ul style="list-style-type: none">• Install quad gates at grade crossing that blocs entire roadway on each side of crossing



Columbia Road (Route 53/139) at Washington Street, Pembroke

The intersection of Columbia Road (Route 139/53) at Washington Street is an un-signalized, three-legged intersection with STOP sign controls on the Washington Street approach. The intersection is approximate 150 feet north of the signalized intersection of Columbia Road and Schoosett Street.

While the crash rate (0.47/MEV) is below the MassDOT District Five regional crash rate of 0.62/MEV for un-signalized intersections, nearly half of the reported collisions from 2006 through 2008 at this location resulted in personal injury. Vehicles arriving from the south approach at often high and accelerating travel speeds and drivers turning right from Schoosett Street onto Columbia Road proceed so often at a high rate of speed and have a short sight line of the intersection.

Table 43 summarizes the crash history at this location, while Table 44 summarizes the results of existing and projected level of service analysis of the location. The 2014 “Conceptual Signal” scenario in Table 44 considers potential level of service with coordinated traffic signals and geometric improvements at the intersection.

Table 43: Crash Summary for Columbia Road (Route 53/139) at Washington Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	13			Average Per Year:	4.33
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Rear-End	7	53.85%	12:00-6:00 AM	1	7.69%
Angle	2	15.38%	6:00 AM-12:00 PM	2	15.38%
Head-On	1	7.69%	12:00-6:00 PM	6	46.15%
Sideswipe, Same Direction	1	7.69%	6:00 PM-12:00 AM	4	30.77%
Not Reported	2	15.38%	Total	13	100.00%
Total	13	100.00%	Morning Peak (7:00-9:00)	1	7.69%
			Afternoon Peak (4:00-6:00)	1	7.69%
Crashes With Injury:	6	46.15%			



Table 44: Existing and Five Year Projected Level of Service

		2009 HFR ¹ LOS		Projected 2014			
				No-Build HFR ¹ LOS		Conceptual Signal HFR ¹ LOS	
Columbia Road Northbound	AM Peak Hour	1,334	n/a	1,400	n/a	1,400	A
	PM Peak Hour	1,136	n/a	1,192	n/a	1,192	D
Columbia Road Southbound	AM Peak Hour	659	n/a	692	n/a	692	A
	PM Peak Hour	1,313	n/a	1,379	n/a	1,379	A
Washington Street Southwestbound	AM Peak Hour	72	F	76	F	76	D
	PM Peak Hour	64	F	67	F	67	D
Intersection LOS	AM Peak Hour						A
	PM Peak Hour						A

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Table 45 – Suggested improvement Measures for Columbia Road (Route 53/139) at Washington Street

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce rear-end collisions	<ul style="list-style-type: none"> • Clear vegetative growth on eastern edge of Columbia Road, to increase sight lines from the south • Convert YIELD sign control of Schoosett Street right turn onto Columbia Road to STOP sign control 	<ul style="list-style-type: none"> • Reduce wide turning radius of Schoosett Street right turn onto Columbia Road, to forcibly reduce travel speeds
Reduce number of crashes resulting in personal injury	<ul style="list-style-type: none"> • Same improvements as above 	<ul style="list-style-type: none"> • Reconstruct intersection with traffic signal installation and coordination with signals at Route 139 and Route 53
Reduce congestion and delays		<ul style="list-style-type: none"> • Reconstruct intersection with traffic signal installation and coordination with signals at Route 139 and Route 53



Washington Street (Route 53/139) at Schoosett Street (Route 139), Pembroke

Table 46: Crash Summary for Washington Street (Route 53/139) at Schoosett Street (Route 139)

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	57			Average Per Year:	19.00
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Read-End	33	57.89%	12:00-6:00 AM	4	7.02%
Angled	12	21.05%	6:00 AM-12:00 PM	21	36.84%
Not Reported/ Unknown	6	10.53%	12:00-6:00 PM	20	35.09%
Sideswipe, Same Direction	2	3.51%	6:00 PM-12:00 AM	12	21.05%
Sideswipe, Opposite Direction	2	3.51%	Total	57	100.00%
Single Vehicle Crash	2	3.51%			
Total	57	100.00%	Morning Peak (7:00-9:00)	12	21.05%
			Afternoon Peak (4:00-6:00)	9	15.79%
Crashes With Injury:	22	38.60%			

Over half of the crashes that occur at this intersection are rear-end collisions, and half of those rear-end collisions were reported to have occurred on the Schoosett Street (Route 139) westbound approach. The approach includes a flared right turn with “Yield” sign control onto Washington Street northbound, and drivers familiar with this intersection proceed through the turn at relatively high speeds. Speed may be a significant factor in rear-end collisions occurring on this approach.

The second most common type of collision at this location is angled collisions, accounting for 21 percent of all crashes. Of these angled collisions, nearly half were between vehicles arriving on the southbound and eastbound (plaza exit) approaches. Restricted sight lines from the driveway exit and permitted right turns on red may be a factor contributing to these collisions.

Table 47: Existing and Five Year Projected Level of Service

		2009		Projected 2014			
		HFR ¹	LOS	No-Build		Conceptual Signal	
		HFR ¹	LOS	HFR ¹	LOS	HFR ¹	LOS
Washington Street Northbound	AM Peak Hour	725	C	761	C	761	C
	PM Peak Hour	533	D	559	E	559	D
Washington Street Southbound	AM Peak Hour	994	C	1,043	C	1,043	C
	PM Peak Hour	1,842	C	1,932	D	1,932	C
Schoosett Street Westbound	AM Peak Hour	707	C	742	C	742	C
	PM Peak Hour	779	D	817	D	817	D
Plaza Driveway Eastbound	AM Peak Hour	9	C	9	C	9	C
	PM Peak Hour	29	C	30	C	30	C
Intersection LOS	AM Peak Hour		C		C		C
	PM Peak Hour		C		D		D

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate.

LOS based on HFR



Table 48 – Suggested improvement Measures for Washington Street (Route 53/139) at Schoosett Street (Route 139)

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce rear-end collisions	<ul style="list-style-type: none"> • Remove “free right turn” from Schoosett Street westbound approach, forcing all vehicles to stop (overall objective to reduce approach speeds on Schoosett Street) • Install back plates on signal heads to prevent accidental red-light running 	<ul style="list-style-type: none"> • Geometric improvements on northeastern corner to reduce turn radius, and remove “free right” to reduce travel speeds and force complete stop by drivers • Create a separate left turn storage area on northbound approach
Reduce angled collisions	<ul style="list-style-type: none"> • Install “No Turn On Red” controls on eastbound exit out of plaza • Install back plates on signal heads to prevent accidental red-light running 	



Schoosett Street (Route 139) at Water Street, Pembroke

The intersection of Schoosett Street (Route 139) and Water Street is a three-legged intersection with Water Street entering Route 139 from the south and controlled by a STOP sign. Level of Service analysis indicates the Water Street approach may be experiencing congestion during the afternoon peak demand hour. Table 49 summarizes the results of the level of service analysis.

Table 49: Existing and Five Year Projected Level of Service

		2009		Projected 2014	
		HFR ¹	LOS	HFR ¹	LOS
Schoosett Street Eastbound	AM Peak Hour	517	n/a	542	n/a
	PM Peak Hour	859	n/a	903	n/a
Schoosett Street Westbound	AM Peak Hour	751	n/a	788	n/a
	PM Peak Hour	1,004	n/a	1,054	n/a
Water Street Northbound	AM Peak Hour	216	C	227	C
	PM Peak Hour	144	F	151	D

1 - Hourly Flow Rate (HFR) calculated from volume, peak hour factor, and (if applicable) growth rate. LOS based on HFR

Roadway curvature, a skewed geometric layout, and roadside vegetation and fencing significantly obstruct sight lines at this intersection, particularly to between the eastbound and northbound approaches. Efforts should be made to maximize sight lines. Increasing sight line distances may allow for easier navigation by drivers, as well as prevent crashes. Suggestions for improving the intersection are outlined in the following table (Table 50),

Table 50 – Suggested improvement Measures for Schoosett Street (Route 139) at Water Street

Objective	Short Term / Low Cost
Reduce angled collisions	<ul style="list-style-type: none"> • Clear vegetation and roadside fixture on southern edge of Route 139 • Upgrade STOP sign and painted stop lines with retroreflective materials
Reduce Delays	<ul style="list-style-type: none"> • Monitor intersection for any future warranted improvements



Church Street (Route 139) at Oak Street, Pembroke

Of the 30 reported crashes at the intersection of Church Street at Oak Street between 2006 and 2008, 43% were angled rear-end and 23% were angled collisions. The intersection’s crash rate (0.81/MEV) is above the MassDOT District 5 regional average of 0.77/MEV for signalized intersections. Table 52 contains suggested measures for improving safety and mobility at the intersection.

Table 51 - Crash Summary for Church Street (Route 139) at Oak Street

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	30			Average Per Year:	10.00
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Rear-End	13	43.33%	12:00-6:00 AM	5	16.67%
Angled	7	23.33%	6:00 AM-12:00 PM	7	23.33%
Single Vehicle Crash	4	13.33%	12:00-6:00 PM	10	33.33%
Sideswipe	3	10.00%	6:00 PM-12:00 AM	8	26.67%
Not Reported	2	6.67%	Total	30	100.00%
Head-On	1	3.33%			
Total	30	100.00%	Morning Peak (7:00-9:00)	3	10.00%
			Afternoon Peak (4:00-6:00)	3	10.00%
Crashes With Injury:	6	20.00%			

Table 52 – Suggested improvement Measures for Church Street (Route 139) at Oak Street

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Reduce rear-end collisions	<ul style="list-style-type: none"> Use LED bulbs in signal heads to enhance visibility 	
Reduce sideswipe collisions		<ul style="list-style-type: none"> Widen Brigantine Village driveway exit to 2-lanes
Improve navigation / Reduce driver confusion	<ul style="list-style-type: none"> Restripe lane striping where faded – maintain regularly 	
Improve pedestrian access	<ul style="list-style-type: none"> Provide pedestrian refuge area on island on Oak Street approach 	

Church Street (Route 139) at Route 3 Ramps, Pembroke

The junction of Route 139 with Route 3 forms two busy signalized intersections with multiple lane approaches from all directions. The coordinated signal system between this intersection and adjacent signalized intersections works well, although high travel demand does result in some delays in the peak hours. Left turn queue storage is limited at both the southbound and northbound ramp systems for Route 3, however physical constraints (Route 3 overpass; large embankments; commercial development) present a major obstacle to any future roadway widening.

Crash rates at both intersections are below MassDOT regional average crash rates for signalized intersections.

Table 53- Suggest Improvement Measures for Church Street (Route 139) at Route 3 Southbound Ramps

Objective	Short Term / Low Cost	Longer Term / Higher Cost
Congestion Management		<ul style="list-style-type: none"> Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays
Improve pedestrian access	<ul style="list-style-type: none"> Install MUTCD compliant signage at crosswalk crossing On-Ramp from Route 139 Eastbound onto Route 3 SB 	<ul style="list-style-type: none"> Install pedestrian controls for existing crosswalk crossing ramps

Table 54- Suggest Improvement Measures for Church Street (Route 139) at Route 3 Northbound Ramps

Objective	Longer Term / Higher Cost
Congestion Management	<ul style="list-style-type: none"> Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays



Church Street (Route 139) at Old Oak Street (Union Street), Pembroke

The intersection has a crash rate of 1.26/MEV, which is well above the MassDOT District 5 regional average crash rate of 0.77/MEV for signalized intersections. Table 55 summarizes the crash history at this location.

Table 55 - Crash Summary for Church Street (Route 139) at Old Oak Street (Union Street)

Analysis of Three Year Crash History (2006-2008)					
Total # Crashes:	56			Average Per Year:	18.67
Type of Collision	3-Year Total	% of Total	Time Of Crash	3-Year Total	% of Total
Angled	25	44.64%	12:00-6:00 AM	6	10.71%
Rear-End	14	25.00%	6:00 AM-12:00 PM	12	21.43%
Sideswipe, Opposite Direction	6	10.71%	12:00-6:00 PM	31	55.36%
Sideswipe, Same Direction	5	8.93%	6:00 PM-12:00 AM	7	12.50%
Head-On	4	7.14%	Total	56	100.00%
Single Vehicle Crash	2	3.57%			
Total	56	100.00%	Morning Peak (7:00-9:00)	1	1.79%
			Afternoon Peak (4:00-6:00)	12	21.43%
Crashes With Injury:	9	16.07%			

About 45% of the reported crashes at this intersection were angled collisions, and 25% were rear-end collisions. Of the 25 angled collisions, 36% were between vehicles coming from opposite eastbound and westbound directions, presumably as the result of one vehicle turning left in front of another oncoming vehicle. A quarter of the reported angled collisions were between vehicles arriving on the westbound and northbound directions.

Table 5.49 contains suggested measures for improving safety and mobility at the intersection of Route 139 at Old Oak Street (Union Street).



Table 56- Suggest Improvement Measures for Church Street (Route 139) at Old Oak Street (Union Street)

Objective	Short Term / Low Cost	Long Term / Higher Cost
Congestion Management		<ul style="list-style-type: none"> • Maintain optimal signal coordination with existing adjacent signals to maximize efficiency and minimize delays
Reduce angled collisions	<ul style="list-style-type: none"> • Replace existing bulbs with LED bulbs to prevent signals from blending into background sunlight 	<ul style="list-style-type: none"> • Allow left turns from Church Street (both directions) on protected green arrow only
Reduce rear-end collisions		<ul style="list-style-type: none"> • Same as above
Improve navigation / Reduce driver confusion	<ul style="list-style-type: none"> • Restripe lane striping where faded – maintain regularly 	



V PROJECT DEVELOPMENT AND FUNDING

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, PNF, is submitted to MassDOT)
- II. Planning (A project planning report is completed)
- III. Project Initiation (A Project Initiation Form, PIF, 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 municipality typically initiates a project by completing and submitting the Project Need Form (available in the Appendix), as well as providing for project planning, design, and right-of-way (if necessary). 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** 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 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.
- **Small Town Road Assistance Program (STRAP)** provides funds grants to municipalities with a population of not more than 7,000 persons for new road projects. Priority will be given to those projects which promote public safety, which encourage the retention of the applicant's economic base and where the urgency of the project can be demonstrated.
- **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.
- **Public Works Economic Development (PWED)** grants are designed to assist municipalities seeking infrastructure improvements that support economic development goals.



- **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.



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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (4)
 Staff: KW

File Name : 285_Pleasant(139)&Prospect_AM
 Site Code : 285
 Start Date : 9/29/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

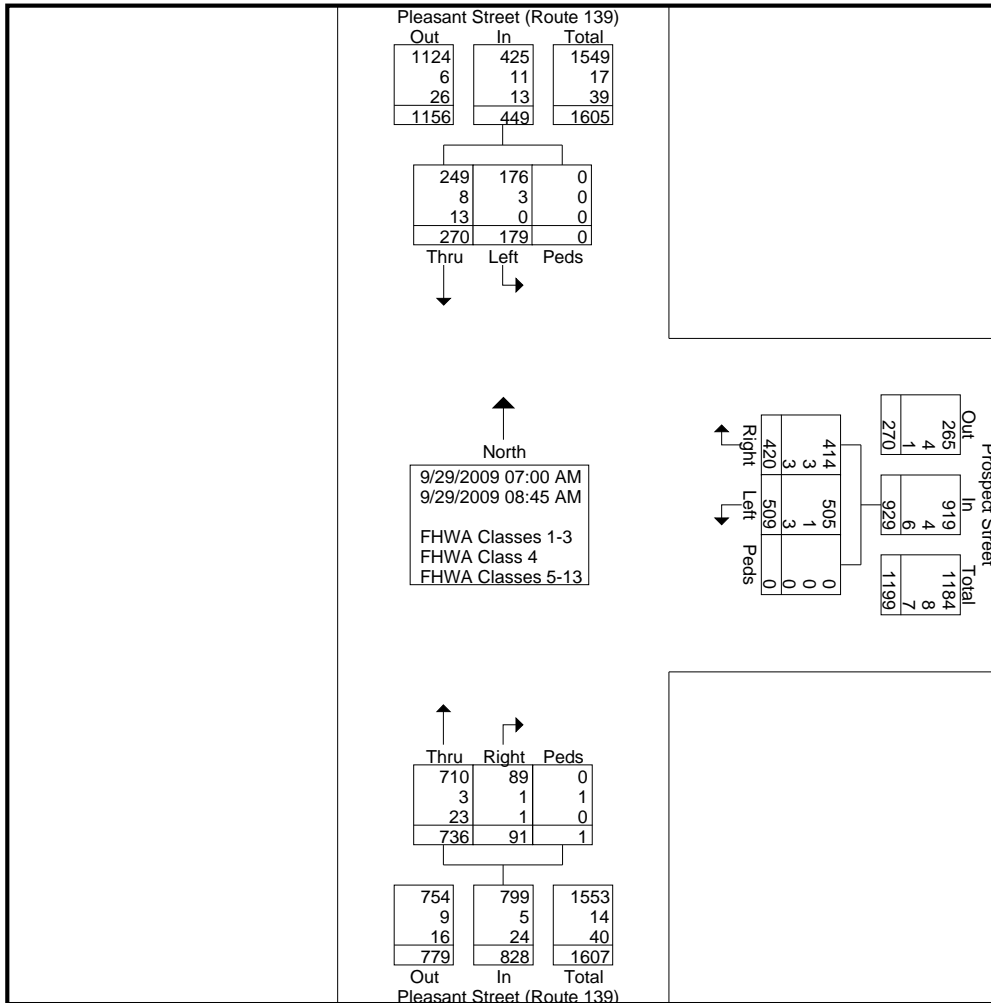
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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	18	27	0	45	54	53	0	107	88	7	0	95	247
07:15 AM	15	25	0	40	58	54	0	112	92	15	1	108	260
07:30 AM	22	33	0	55	98	50	0	148	105	10	0	115	318
07:45 AM	22	19	0	41	77	53	0	130	89	11	0	100	271
Total	77	104	0	181	287	210	0	497	374	43	1	418	1096
08:00 AM	44	40	0	84	64	73	0	137	104	11	0	115	336
08:15 AM	28	40	0	68	72	51	0	123	106	17	0	123	314
08:30 AM	19	45	0	64	46	62	0	108	81	7	0	88	260
08:45 AM	11	41	0	52	40	24	0	64	71	13	0	84	200
Total	102	166	0	268	222	210	0	432	362	48	0	410	1110
Grand Total	179	270	0	449	509	420	0	929	736	91	1	828	2206
Apprch %	39.9	60.1	0		54.8	45.2	0		88.9	11	0.1		
Total %	8.1	12.2	0	20.4	23.1	19	0	42.1	33.4	4.1	0	37.5	
FHWA Classes 1-3	176	249	0	425	505	414	0	919	710	89	0	799	2143
% FHWA Classes 1-3	98.3	92.2	0	94.7	99.2	98.6	0	98.9	96.5	97.8	0	96.5	97.1
FHWA Class 4	3	8	0	11	1	3	0	4	3	1	1	5	20
% FHWA Class 4	1.7	3	0	2.4	0.2	0.7	0	0.4	0.4	1.1	100	0.6	0.9
FHWA Classes 5-13	0	13	0	13	3	3	0	6	23	1	0	24	43
% FHWA Classes 5-13	0	4.8	0	2.9	0.6	0.7	0	0.6	3.1	1.1	0	2.9	1.9



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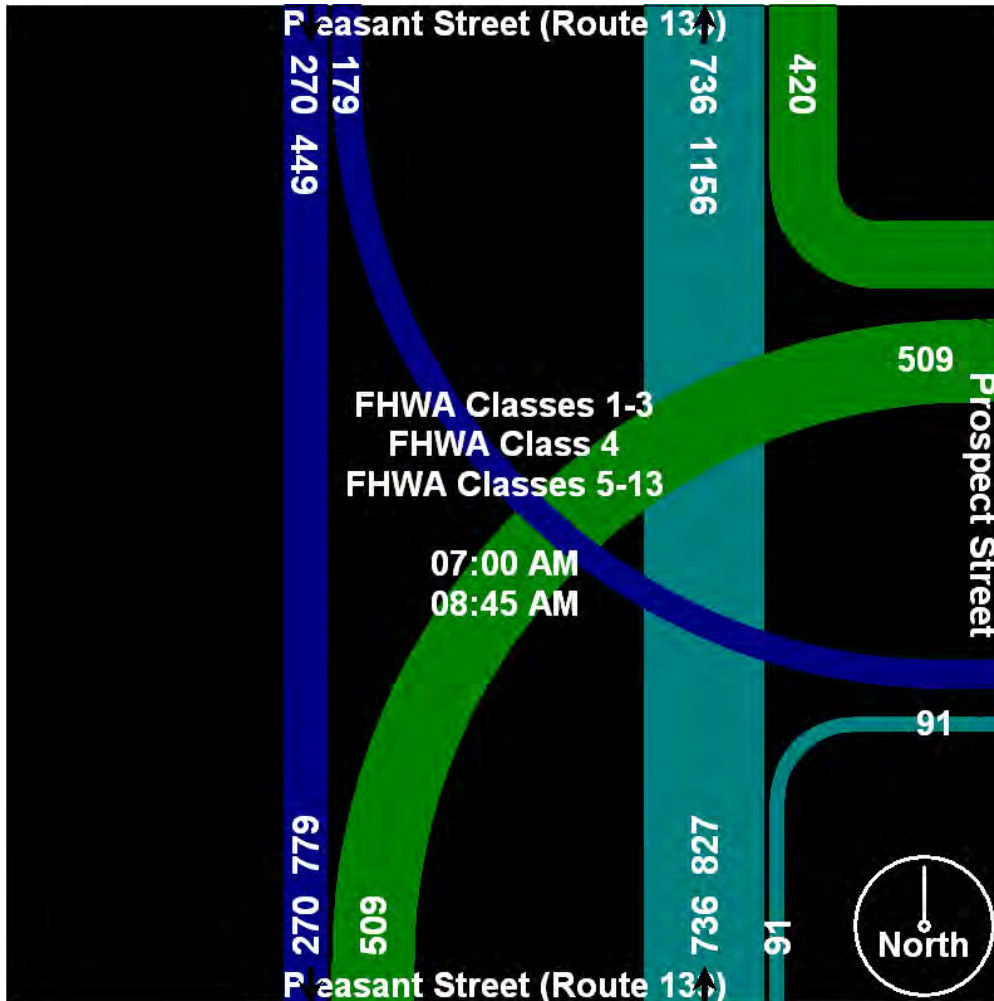




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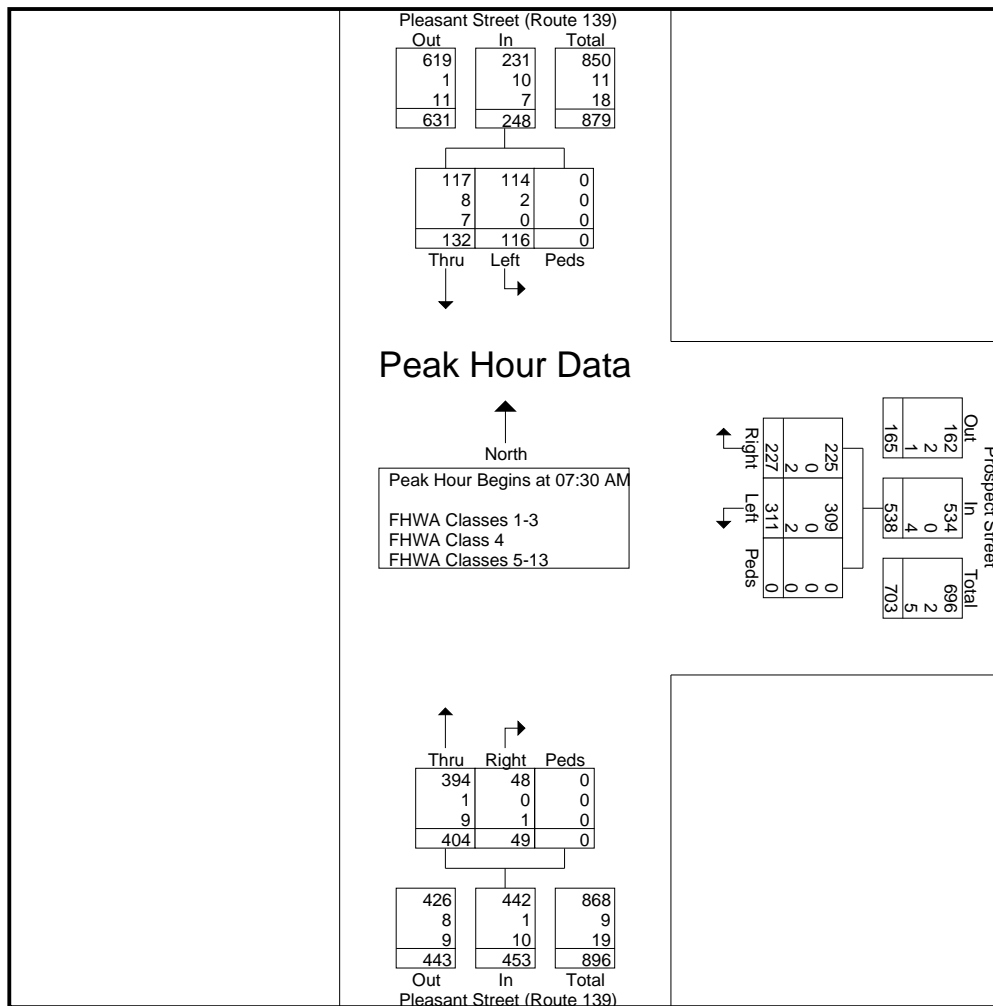


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (4)
 Staff: KW

File Name : 285_Pleasant(139)&Prospect_AM
 Site Code : 285
 Start Date : 9/29/2009
 Page No : 4

Start Time	Pleasant Street (Route 139) Southbound				Prospect Street Westbound				Pleasant Street (Route 139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	22	33	0	55	98	50	0	148	105	10	0	115	318
07:45 AM	22	19	0	41	77	53	0	130	89	11	0	100	271
08:00 AM	44	40	0	84	64	73	0	137	104	11	0	115	336
08:15 AM	28	40	0	68	72	51	0	123	106	17	0	123	314
Total Volume	116	132	0	248	311	227	0	538	404	49	0	453	1239
% App. Total	46.8	53.2	0		57.8	42.2	0		89.2	10.8	0		
PHF	.659	.825	.000	.738	.793	.777	.000	.909	.953	.721	.000	.921	.922
FHWA Classes 1-3	114	117	0	231	309	225	0	534	394	48	0	442	1207
% FHWA Classes 1-3	98.3	88.6	0	93.1	99.4	99.1	0	99.3	97.5	98.0	0	97.6	97.4
FHWA Class 4	2	8	0	10	0	0	0	0	1	0	0	1	11
% FHWA Class 4	1.7	6.1	0	4.0	0	0	0	0	0.2	0	0	0.2	0.9
FHWA Classes 5-13	0	7	0	7	2	2	0	4	9	1	0	10	21
% FHWA Classes 5-13	0	5.3	0	2.8	0.6	0.9	0	0.7	2.2	2.0	0	2.2	1.7

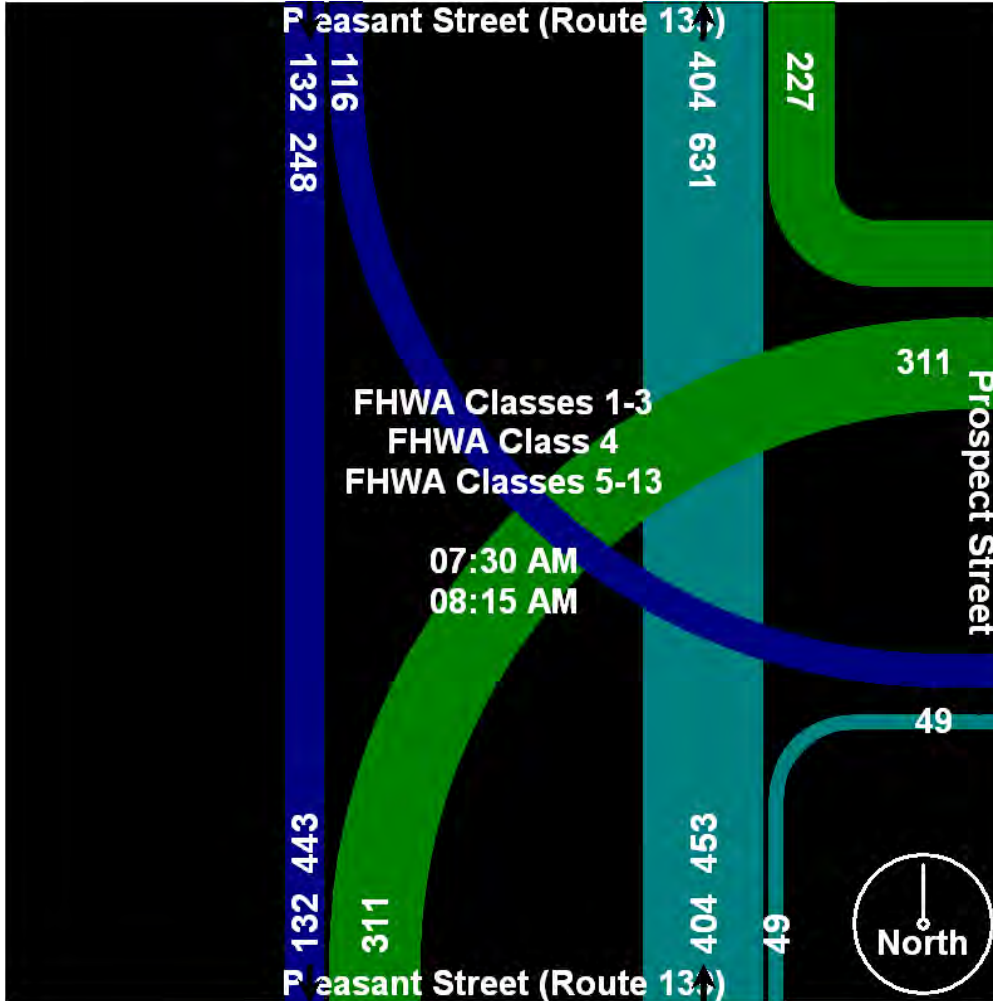




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 Start Date : 9/30/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

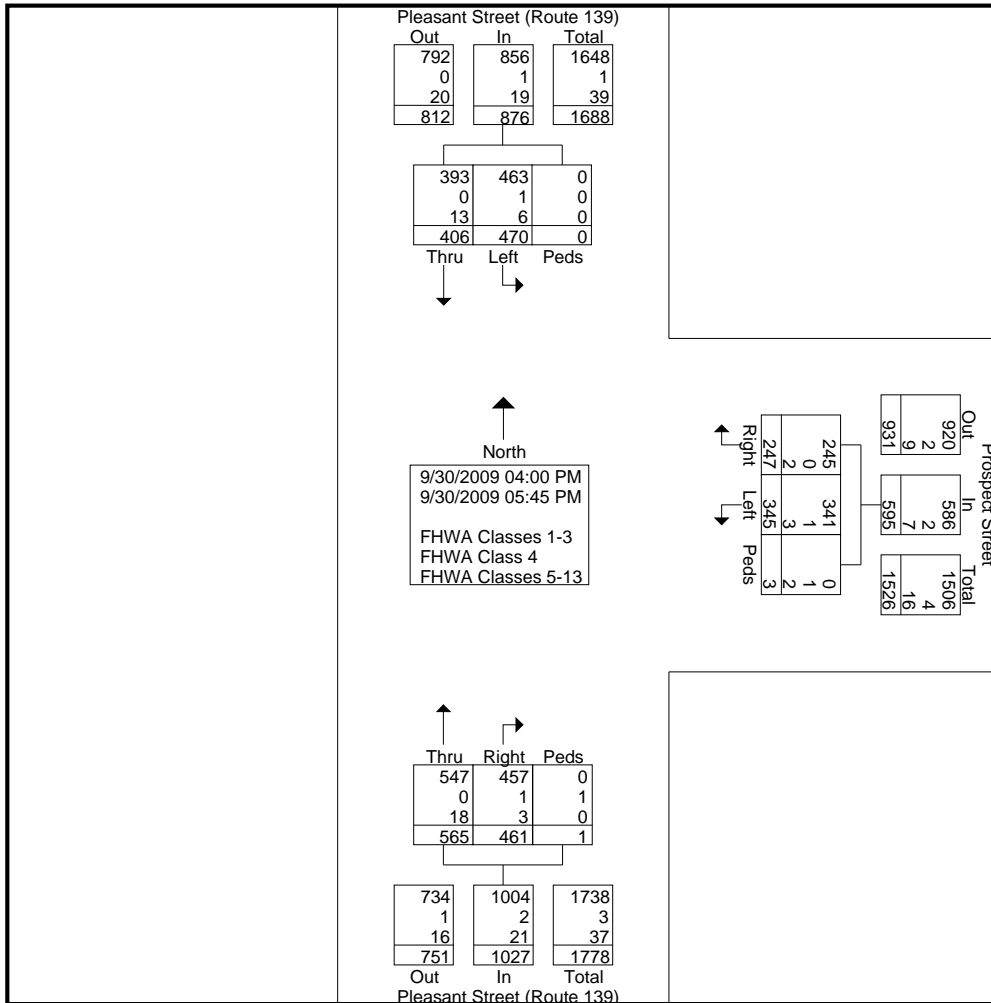
Start Time	Pleasant Street (Route 139) Southbound				Prospect Street Westbound				Pleasant Street (Route 139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	32	46	0	78	29	25	1	55	77	44	0	121	254
04:15 PM	60	48	0	108	38	19	0	57	61	47	0	108	273
04:30 PM	58	38	0	96	56	39	1	96	66	69	0	135	327
04:45 PM	67	50	0	117	38	32	0	70	69	62	0	131	318
Total	217	182	0	399	161	115	2	278	273	222	0	495	1172
05:00 PM	61	58	0	119	56	35	0	91	73	67	0	140	350
05:15 PM	58	48	0	106	44	29	1	74	75	60	0	135	315
05:30 PM	63	52	0	115	38	48	0	86	73	56	1	130	331
05:45 PM	71	66	0	137	46	20	0	66	71	56	0	127	330
Total	253	224	0	477	184	132	1	317	292	239	1	532	1326
Grand Total	470	406	0	876	345	247	3	595	565	461	1	1027	2498
Apprch %	53.7	46.3	0		58	41.5	0.5		55	44.9	0.1		
Total %	18.8	16.3	0	35.1	13.8	9.9	0.1	23.8	22.6	18.5	0	41.1	
FHWA Classes 1-3	463	393	0	856	341	245	0	586	547	457	0	1004	2446
% FHWA Classes 1-3	98.5	96.8	0	97.7	98.8	99.2	0	98.5	96.8	99.1	0	97.8	97.9
FHWA Class 4	1	0	0	1	1	0	1	2	0	1	1	2	5
% FHWA Class 4	0.2	0	0	0.1	0.3	0	33.3	0.3	0	0.2	100	0.2	0.2
FHWA Classes 5-13	6	13	0	19	3	2	2	7	18	3	0	21	47
% FHWA Classes 5-13	1.3	3.2	0	2.2	0.9	0.8	66.7	1.2	3.2	0.7	0	2	1.9



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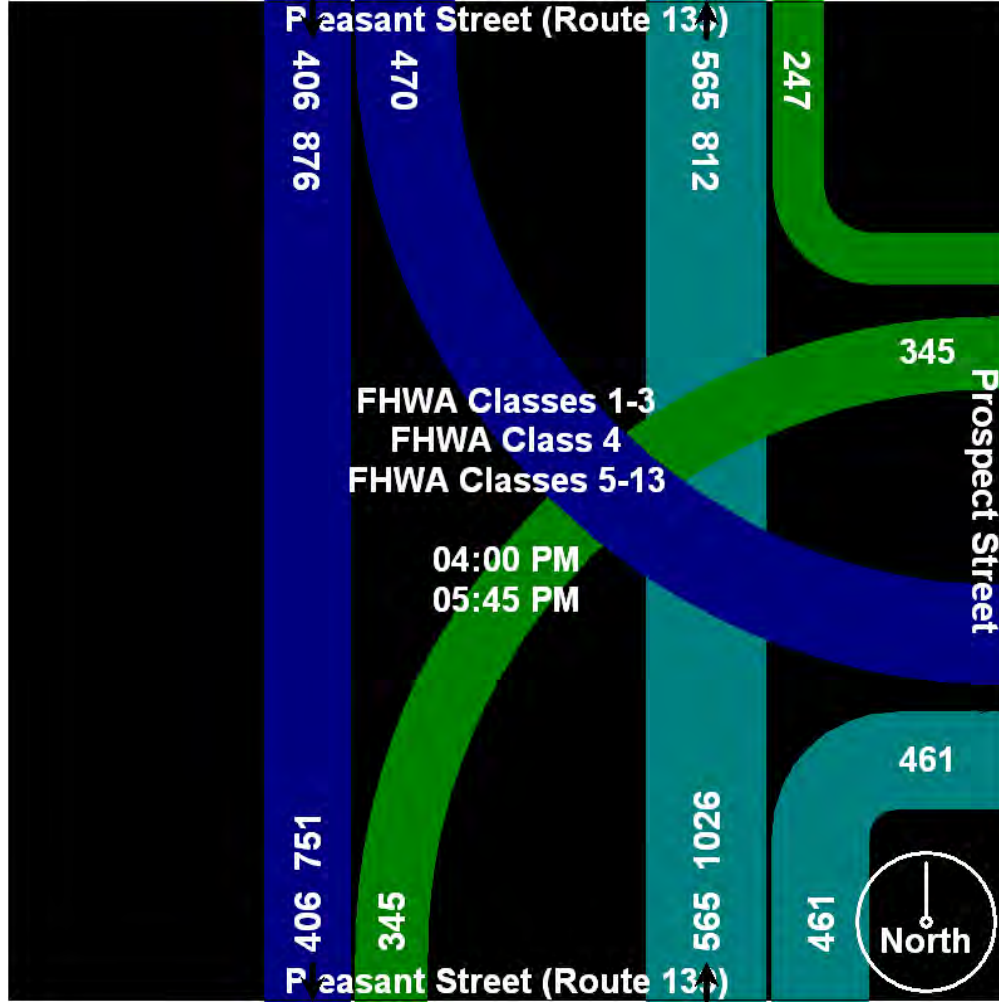




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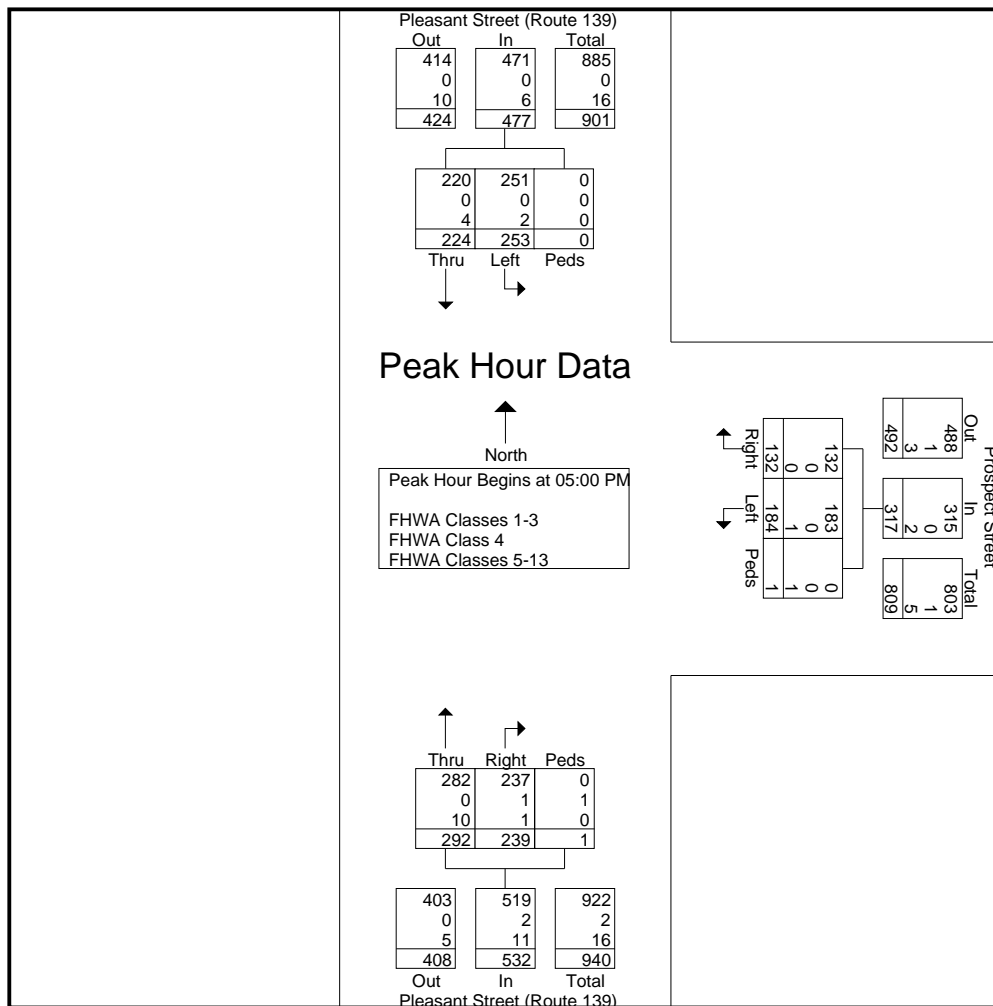


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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 05:00 PM													
05:00 PM	61	58	0	119	56	35	0	91	73	67	0	140	350
05:15 PM	58	48	0	106	44	29	1	74	75	60	0	135	315
05:30 PM	63	52	0	115	38	48	0	86	73	56	1	130	331
05:45 PM	71	66	0	137	46	20	0	66	71	56	0	127	330
Total Volume	253	224	0	477	184	132	1	317	292	239	1	532	1326
% App. Total	53	47	0		58	41.6	0.3		54.9	44.9	0.2		
PHF	.891	.848	.000	.870	.821	.688	.250	.871	.973	.892	.250	.950	.947
FHWA Classes 1-3	251	220	0	471	183	132	0	315	282	237	0	519	1305
% FHWA Classes 1-3	99.2	98.2	0	98.7	99.5	100	0	99.4	96.6	99.2	0	97.6	98.4
FHWA Class 4	0	0	0	0	0	0	0	0	0	1	1	2	2
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0.4	100	0.4	0.2
FHWA Classes 5-13	2	4	0	6	1	0	1	2	10	1	0	11	19
% FHWA Classes 5-13	0.8	1.8	0	1.3	0.5	0	100	0.6	3.4	0.4	0	2.1	1.4

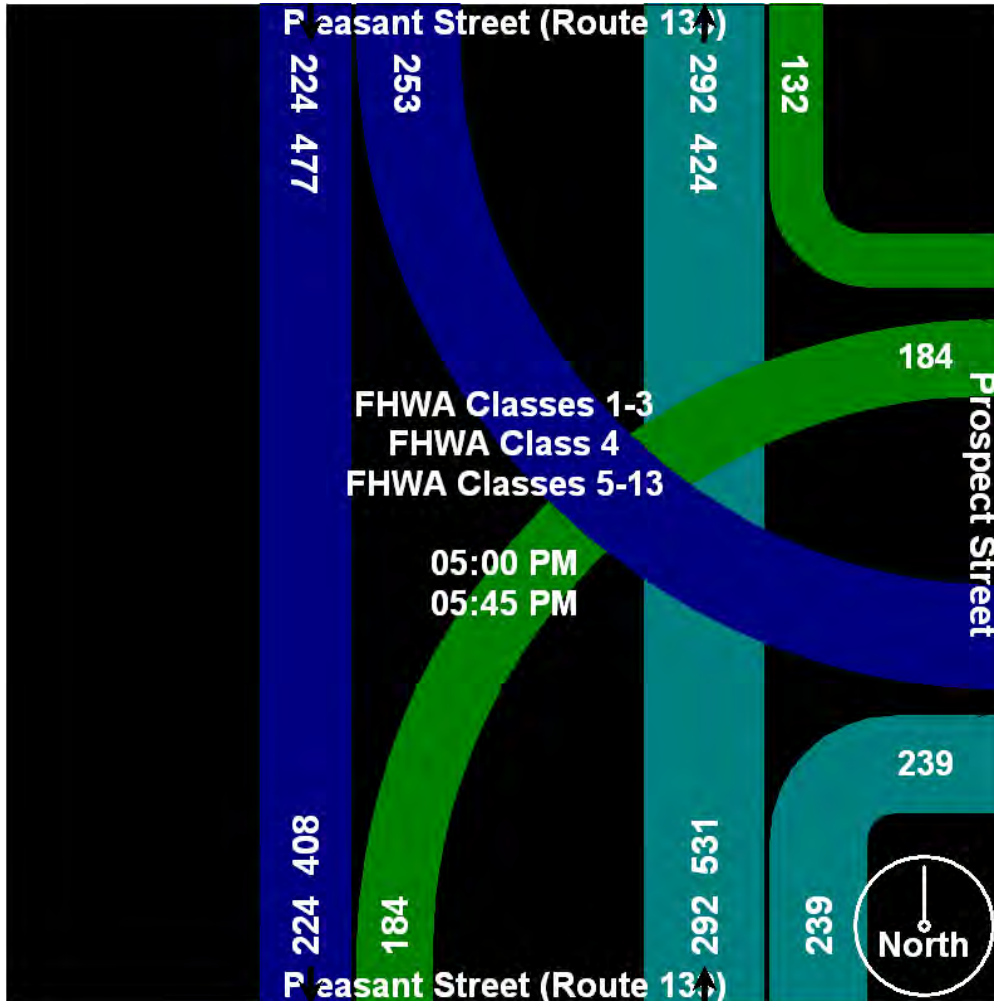




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HCM Unsignalized Intersection Capacity Analysis
 3: Prospect Street & Pleasant Street (Route 139)

2009 AM Peak Hour LOS



Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations						
Sign Control	Stop		Free		Free	
Grade	0%		0%		0%	
Volume (veh/h)	311	227	404	49	116	132
Peak Hour Factor	0.91	0.91	0.92	0.92	0.74	0.74
Hourly flow rate (vph)	342	249	439	53	157	178
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	958	466			492	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	958	466			492	
tC, single (s)	6.4	6.2			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.3	
p0 queue free %	0	58			85	
cM capacity (veh/h)	244	599			1046	

Direction, Lane #	NW 1	NE 1	SW 1
Volume Total	591	492	335
Volume Left	342	0	157
Volume Right	249	53	0
cSH	325	1700	1046
Volume to Capacity	1.82	0.29	0.15
Queue Length 95th (ft)	974	0	13
Control Delay (s)	407.4	0.0	5.0
Lane LOS	F		A
Approach Delay (s)	407.4	0.0	5.0
Approach LOS	F		

Intersection Summary			
Average Delay	171.0		
Intersection Capacity Utilization	78.7%	ICU Level of Service	D
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: Prospect Street & Pleasant Street (Route 139)

2009 PM Peak Hour LOS



Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	↙ ↘		↔		↙ ↘	
Sign Control	Stop		Free		Free	
Grade	0%		0%		0%	
Volume (veh/h)	194	132	292	239	253	224
Peak Hour Factor	0.87	0.87	0.95	0.95	0.87	0.87
Hourly flow rate (vph)	223	152	307	252	291	257
Pedestrians	1					
Lane Width (ft)	12.0					
Walking Speed (ft/s)	4.0					
Percent Blockage	0					
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1273	434			560	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1273	434			560	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	0	76			71	
cM capacity (veh/h)	133	623			1020	

Direction, Lane #	NW 1	NE 1	SW 1
Volume Total	375	559	548
Volume Left	223	0	291
Volume Right	152	252	0
cSH	195	1700	1020
Volume to Capacity	1.93	0.33	0.29
Queue Length 95th (ft)	690	0	30
Control Delay (s)	475.4	0.0	6.8
Lane LOS	F		A
Approach Delay (s)	475.4	0.0	6.8
Approach LOS	F		

Intersection Summary			
Average Delay	122.7		
Intersection Capacity Utilization	84.6%	ICU Level of Service	E
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: Prospect Street & Pleasant Street (Route 139)

Forecast 2014 AM Peak Hour LOS



Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations						
Sign Control	Stop		Free		Free	
Grade	0%		0%		0%	
Volume (veh/h)	311	227	404	49	116	132
Peak Hour Factor	0.91	0.91	0.92	0.92	0.74	0.74
Hourly flow rate (vph)	359	262	461	56	165	187
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1006	489			517	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1006	489			517	
tC, single (s)	6.4	6.2			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.3	
p0 queue free %	0	55			84	
cM capacity (veh/h)	225	581			1024	

Direction, Lane #	NW 1	NE 1	SW 1
Volume Total	621	517	352
Volume Left	359	0	165
Volume Right	262	56	0
cSH	304	1700	1024
Volume to Capacity	2.04	0.30	0.16
Queue Length 95th (ft)	1120	0	14
Control Delay (s)	508.2	0.0	5.2
Lane LOS	F		A
Approach Delay (s)	508.2	0.0	5.2
Approach LOS	F		

Intersection Summary			
Average Delay	213.0		
Intersection Capacity Utilization	82.2%	ICU Level of Service	E
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: Prospect Street & Pleasant Street (Route 139)

Forecast 2014 PM Peak Hour LOS



Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations						
Sign Control	Stop		Free		Free	
Grade	0%		0%		0%	
Volume (veh/h)	194	132	292	239	253	224
Peak Hour Factor	0.87	0.87	0.95	0.95	0.87	0.87
Hourly flow rate (vph)	234	159	323	264	305	270
Pedestrians	1					
Lane Width (ft)	12.0					
Walking Speed (ft/s)	4.0					
Percent Blockage	0					
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1337	456			588	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1337	456			588	
tC, single (s)	6.4	6.2			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	0	74			69	
cM capacity (veh/h)	118	606			996	

Direction, Lane #	NW 1	NE 1	SW 1
Volume Total	393	587	576
Volume Left	234	0	305
Volume Right	159	264	0
cSH	175	1700	996
Volume to Capacity	2.25	0.35	0.31
Queue Length 95th (ft)	799	0	33
Control Delay (s)	624.1	0.0	7.2
Lane LOS	F		A
Approach Delay (s)	624.1	0.0	7.2
Approach LOS	F		

Intersection Summary			
Average Delay	160.4		
Intersection Capacity Utilization	88.4%	ICU Level of Service	E
Analysis Period (min)	15		

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Sep-09

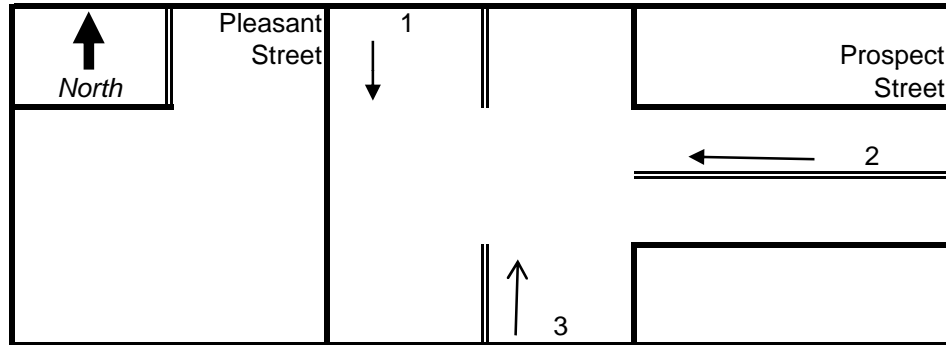
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Pleasant Street (Route 139)

MINOR STREET(S) : Prospect Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	SB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	477	317	532			1,326

" K " FACTOR :

0.090

INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

14,733

TOTAL # OF CRASHES :

7

OF YEARS :

3

AVERAGE # OF CRASHES PER YEAR (A) :

2.33

CRASH RATE CALCULATION :

0.43

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

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

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Signal Warrants - Summary

Major Street Approaches

Northbound: Pleasant Street

Number of Lanes: 1
Approach Speed: 37
Total Approach Volume: 3,694

Southbound: Pleasant Street

Number of Lanes: 1
Approach Speed: 35
Total Approach Volume: 4,112

Minor Street Approaches

Eastbound:

Number of Lanes: 2

Total Approach Volume: 0

Westbound: Prospect Street

Number of Lanes: 1

Total Approach Volume: 2,611

Warrant Summary (Urban values apply.)

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



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File Name : 285_Pleasant(139)&Lincoln_AM
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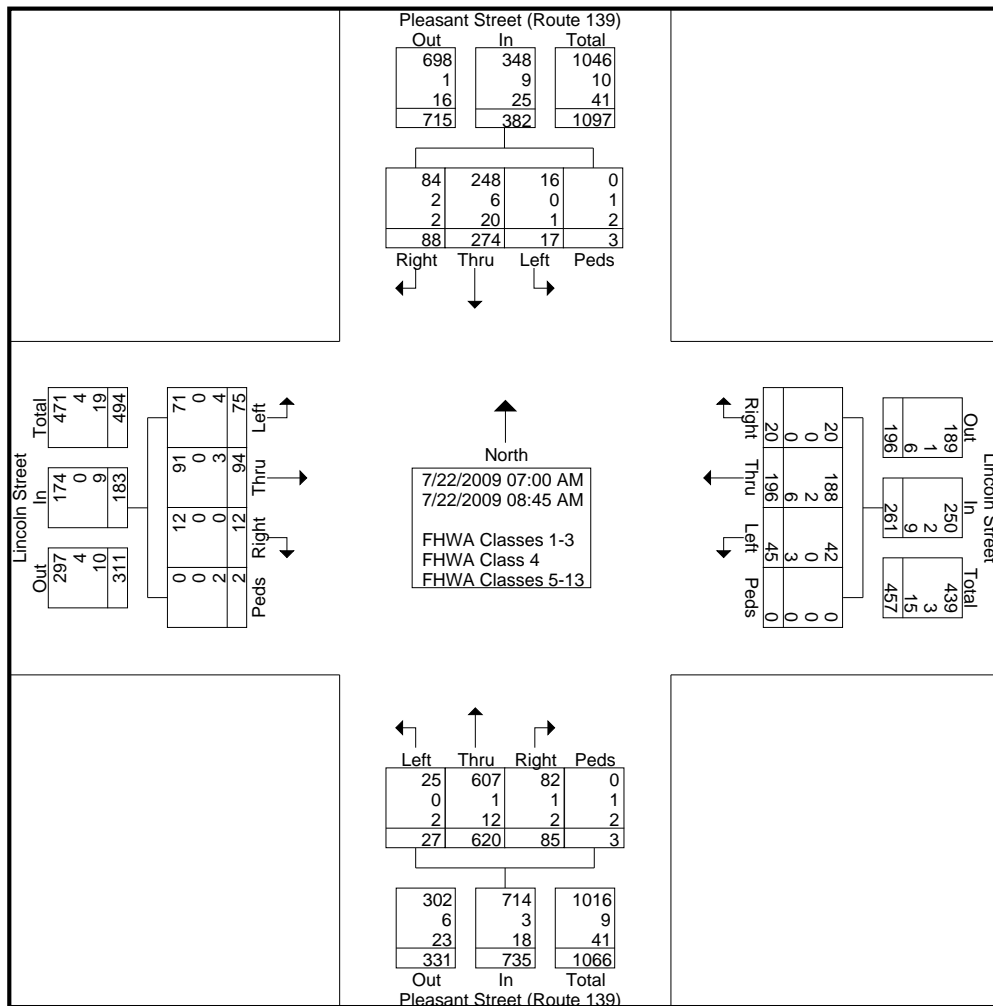
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	2	22	5	0	29	4	19	1	0	24	3	92	7	0	102	8	2	1	0	11	166
07:15 AM	2	37	7	0	46	7	14	3	0	24	4	77	10	0	91	13	5	0	0	18	179
07:30 AM	2	28	16	1	47	4	23	4	0	31	1	82	11	2	96	9	9	0	1	19	193
07:45 AM	3	29	11	0	43	5	27	3	0	35	3	87	10	1	101	12	14	0	0	26	205
Total	9	116	39	1	165	20	83	11	0	114	11	338	38	3	390	42	30	1	1	74	743
08:00 AM	2	36	7	1	46	6	25	0	0	31	4	71	14	0	89	10	14	1	1	26	192
08:15 AM	1	42	11	1	55	8	32	4	0	44	3	83	12	0	98	9	17	4	0	30	227
08:30 AM	3	30	17	0	50	5	28	0	0	33	7	64	8	0	79	7	14	4	0	25	187
08:45 AM	2	50	14	0	66	6	28	5	0	39	2	64	13	0	79	7	19	2	0	28	212
Total	8	158	49	2	217	25	113	9	0	147	16	282	47	0	345	33	64	11	1	109	818
Grand Total	17	274	88	3	382	45	196	20	0	261	27	620	85	3	735	75	94	12	2	183	1561
Apprch %	4.5	71.7	23	0.8		17.2	75.1	7.7	0		3.7	84.4	11.6	0.4		41	51.4	6.6	1.1		
Total %	1.1	17.6	5.6	0.2	24.5	2.9	12.6	1.3	0	16.7	1.7	39.7	5.4	0.2	47.1	4.8	6	0.8	0.1	11.7	
FHWA Classes 1-3	16	248	84	0	348	42	188	20	0	250	25	607	82	0	714	71	91	12	0	174	1486
% FHWA Classes 1-3	94.1	90.5	95.5	0	91.1	93.3	95.9	100	0	95.8	92.6	97.9	96.5	0	97.1	94.7	96.8	100	0	95.1	95.2
FHWA Class 4	0	6	2	1	9	0	2	0	0	2	0	1	1	1	3	0	0	0	0	0	14
% FHWA Class 4	0	2.2	2.3	33.3	2.4	0	1	0	0	0.8	0	0.2	1.2	33.3	0.4	0	0	0	0	0	0.9
FHWA Classes 5-13	1	20	2	2	25	3	6	0	0	9	2	12	2	2	18	4	3	0	2	9	61
% FHWA Classes 5-13	5.9	7.3	2.3	66.7	6.5	6.7	3.1	0	0	3.4	7.4	1.9	2.4	66.7	2.4	5.3	3.2	0	100	4.9	3.9



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 Start Date : 7/22/2009
 Page No : 2

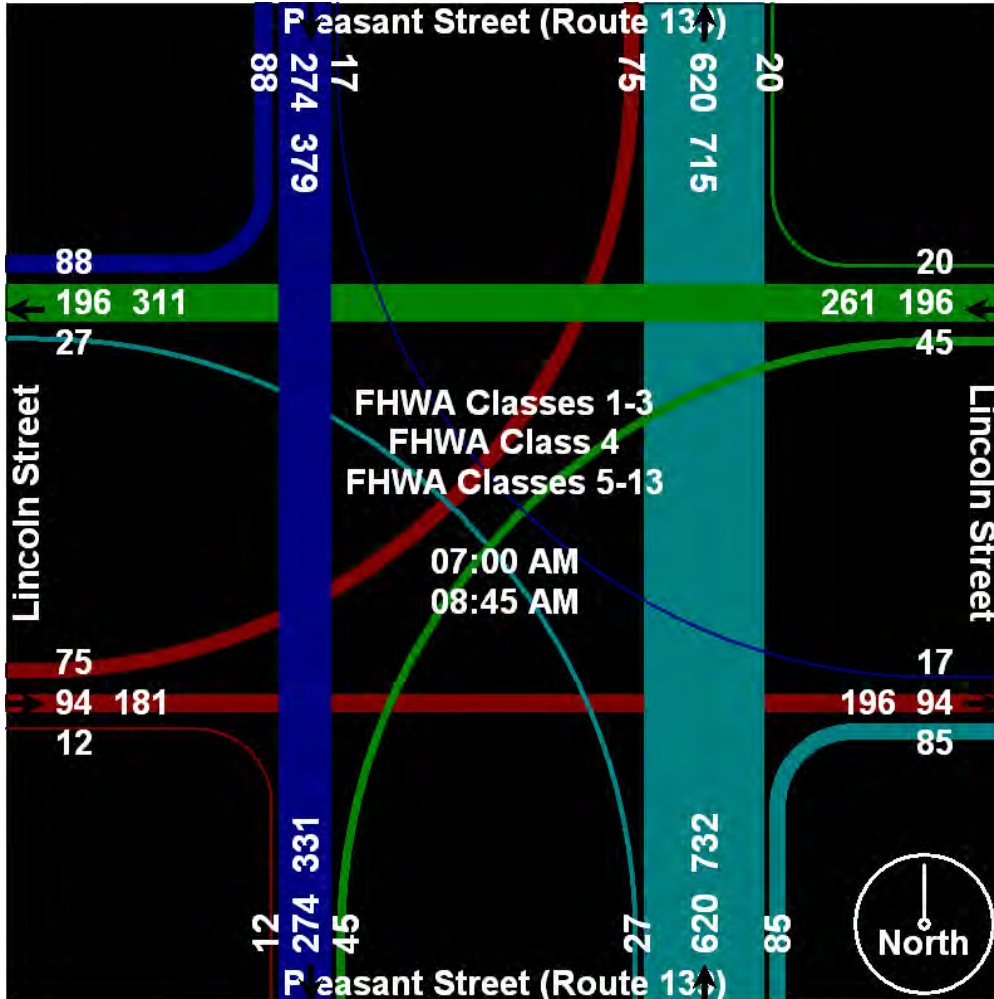




Old Colony Planning Council
70 School Street
Brockton, MA 02301
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www.ocpcrpa.org

Community: Stoughton
Weather: Overcast
Board #: TDC-8 (1)
Staff: JC

File Name : 285_Pleasant(139)&Lincoln_AM
Site Code : 285
Start Date : 7/22/2009
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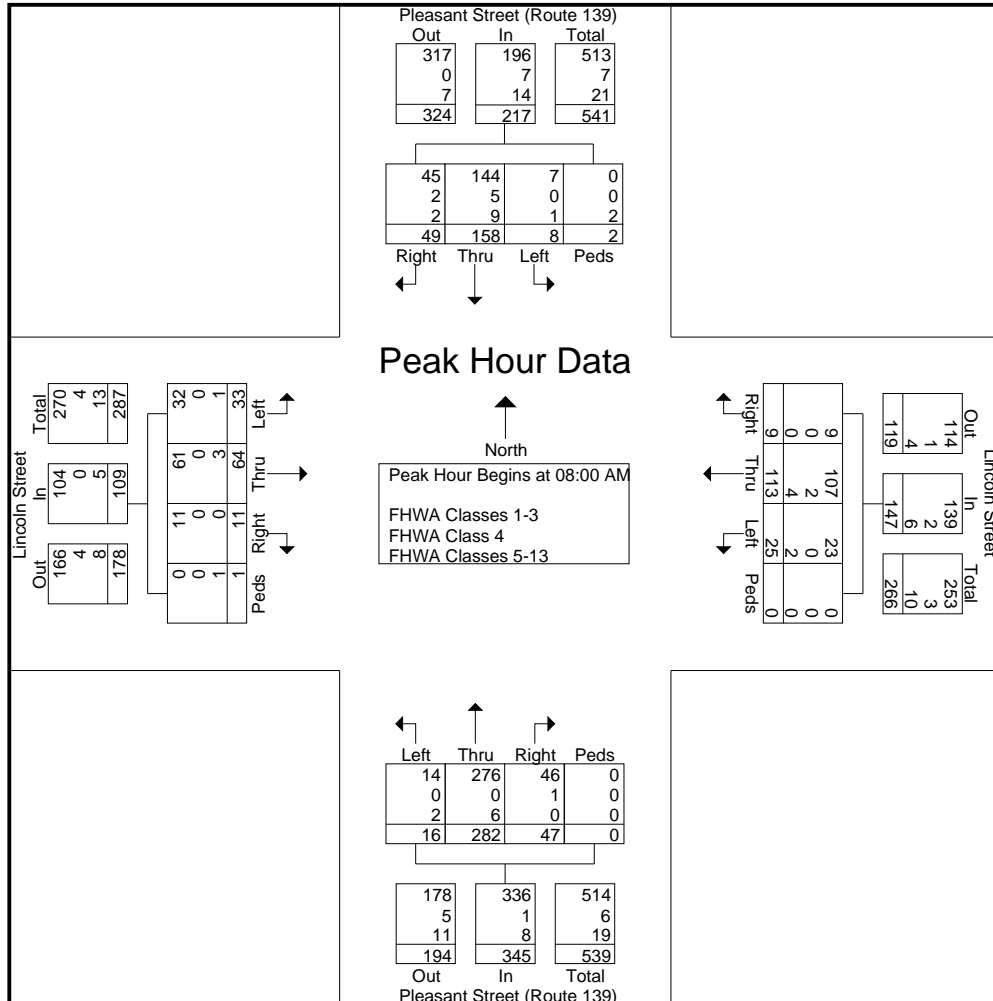


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 Staff: JC

File Name : 285_Pleasant(139)&Lincoln_AM
 Site Code : 285
 Start Date : 7/22/2009
 Page No : 4

Start Time	Pleasant Street (Route 139) Southbound					Lincoln Street Westbound					Pleasant Street (Route 139) Northbound					Lincoln Street Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	2	36	7	1	46	6	25	0	0	31	4	71	14	0	89	10	14	1	1	26	192
08:15 AM	1	42	11	1	55	8	32	4	0	44	3	83	12	0	98	9	17	4	0	30	227
08:30 AM	3	30	17	0	50	5	28	0	0	33	7	64	8	0	79	7	14	4	0	25	187
08:45 AM	2	50	14	0	66	6	28	5	0	39	2	64	13	0	79	7	19	2	0	28	212
Total Volume	8	158	49	2	217	25	113	9	0	147	16	282	47	0	345	33	64	11	1	109	818
% App. Total	3.7	72.8	22.6	0.9		17	76.9	6.1	0		4.6	81.7	13.6	0		30.3	58.7	10.1	0.9		
PHF	.667	.790	.721	.500	.822	.781	.883	.450	.000	.835	.571	.849	.839	.000	.880	.825	.842	.688	.250	.908	.901
FHWA Classes 1-3	7	144	45	0	196	23	107	9	0	139	14	276	46	0	336	32	61	11	0	104	775
% FHWA Classes 1-3	87.5	91.1	91.8	0	90.3	92.0	94.7	100	0	94.6	87.5	97.9	97.9	0	97.4	97.0	95.3	100	0	95.4	94.7
FHWA Class 4	0	5	2	0	7	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	10
% FHWA Class 4	0	3.2	4.1	0	3.2	0	1.8	0	0	1.4	0	0	2.1	0	0.3	0	0	0	0	0	1.2
FHWA Classes 5-13	1	9	2	2	14	2	4	0	0	6	2	6	0	0	8	1	3	0	1	5	33
% FHWA Classes 5-13	12.5	5.7	4.1	100	6.5	8.0	3.5	0	0	4.1	12.5	2.1	0	0	2.3	3.0	4.7	0	100	4.6	4.0

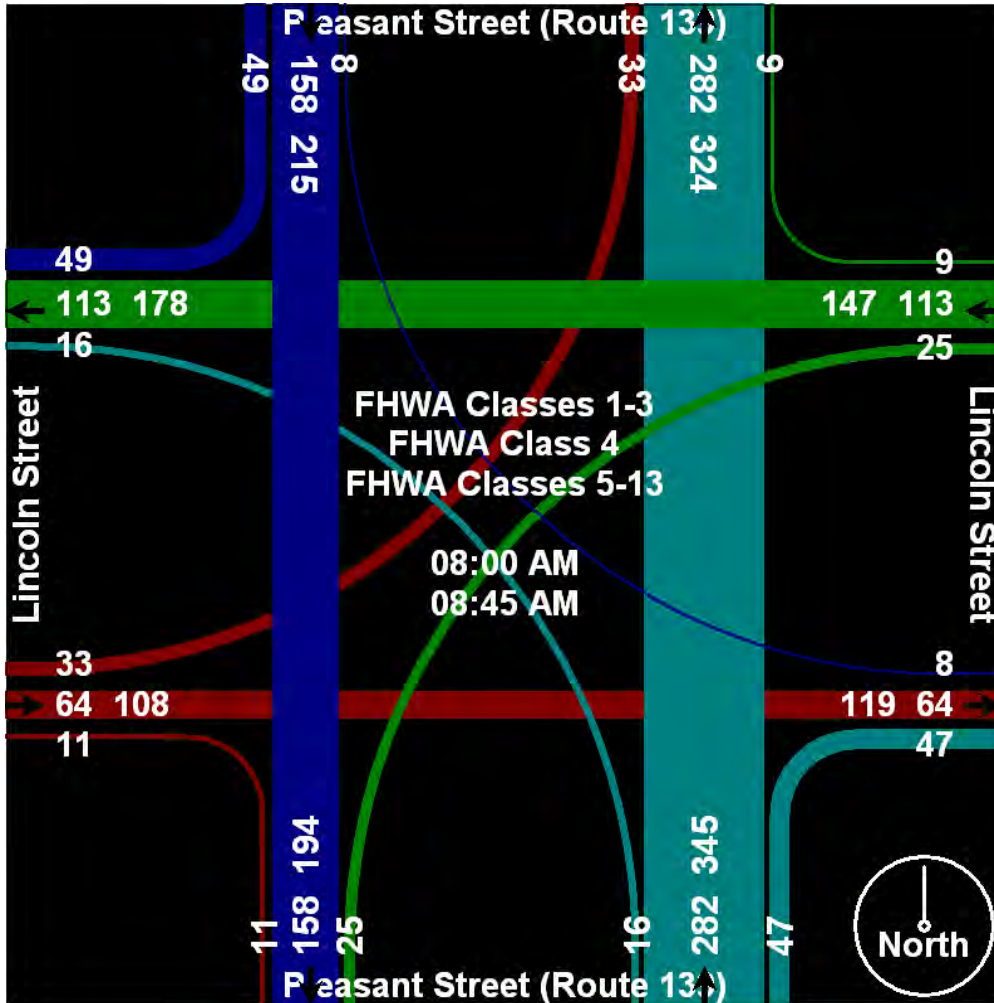




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File Name : 285_Pleasant(139)&Lincoln_AM
Site Code : 285
Start Date : 7/22/2009
Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: JC

File Name : 285_Pleasant(139)&Lincoln_PM
 Site Code : 285
 Start Date : 6/2/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

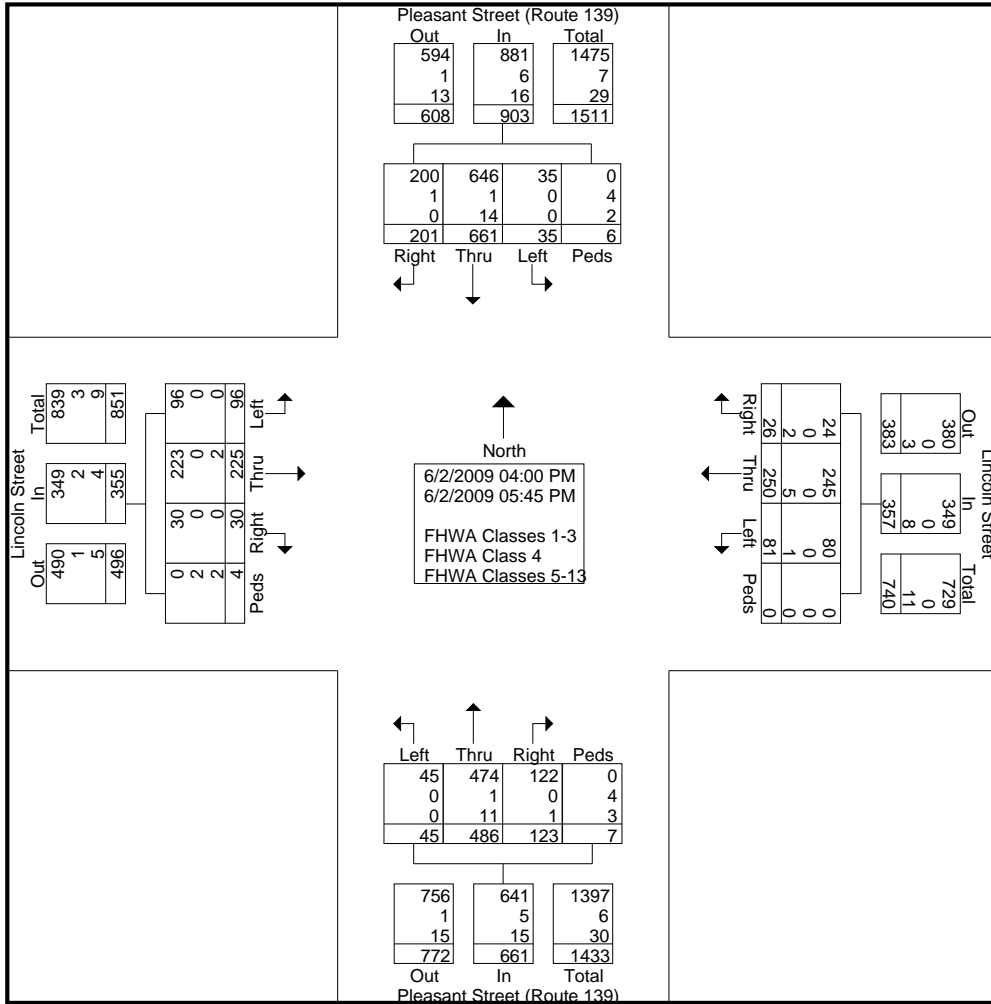
Start Time	Pleasant Street (Route 139) Southbound					Lincoln Street Westbound					Pleasant Street (Route 139) Northbound					Lincoln Street Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	3	84	20	2	109	14	29	4	0	47	8	61	14	2	85	15	28	4	0	47	288
04:15 PM	5	86	18	4	113	9	23	4	0	36	3	56	10	1	70	13	30	4	2	49	268
04:30 PM	2	63	36	0	101	7	31	3	0	41	8	63	19	1	91	7	31	3	0	41	274
04:45 PM	4	82	22	0	108	13	39	3	0	55	4	58	21	0	83	11	25	7	1	44	290
Total	14	315	96	6	431	43	122	14	0	179	23	238	64	4	329	46	114	18	3	181	1120
05:00 PM	6	75	30	0	111	9	26	2	0	37	5	72	13	0	90	13	26	1	0	40	278
05:15 PM	6	102	26	0	134	13	35	2	0	50	6	53	14	0	73	20	29	2	0	51	308
05:30 PM	3	90	21	0	114	7	37	4	0	48	6	59	19	3	87	8	27	5	0	40	289
05:45 PM	6	79	28	0	113	9	30	4	0	43	5	64	13	0	82	9	29	4	1	43	281
Total	21	346	105	0	472	38	128	12	0	178	22	248	59	3	332	50	111	12	1	174	1156
Grand Total	35	661	201	6	903	81	250	26	0	357	45	486	123	7	661	96	225	30	4	355	2276
Apprch %	3.9	73.2	22.3	0.7		22.7	70	7.3	0		6.8	73.5	18.6	1.1		27	63.4	8.5	1.1		
Total %	1.5	29	8.8	0.3	39.7	3.6	11	1.1	0	15.7	2	21.4	5.4	0.3	29	4.2	9.9	1.3	0.2	15.6	
FHWA Classes 1-3	35	646	200	0	881	80	245	24	0	349	45	474	122	0	641	96	223	30	0	349	2220
% FHWA Classes 1-3	100	97.7	99.5	0	97.6	98.8	98	92.3	0	97.8	100	97.5	99.2	0	97	100	99.1	100	0	98.3	97.5
FHWA Class 4	0	1	1	4	6	0	0	0	0	0	0	1	0	4	5	0	0	0	2	2	13
% FHWA Class 4	0	0.2	0.5	66.7	0.7	0	0	0	0	0	0	0.2	0	57.1	0.8	0	0	0	50	0.6	0.6
FHWA Classes 5-13	0	14	0	2	16	1	5	2	0	8	0	11	1	3	15	0	2	0	2	4	43
% FHWA Classes 5-13	0	2.1	0	33.3	1.8	1.2	2	7.7	0	2.2	0	2.3	0.8	42.9	2.3	0	0.9	0	50	1.1	1.9



Old Colony Planning Council
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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: JC

File Name : 285_Pleasant(139)&Lincoln_PM
 Site Code : 285
 Start Date : 6/2/2009
 Page No : 2

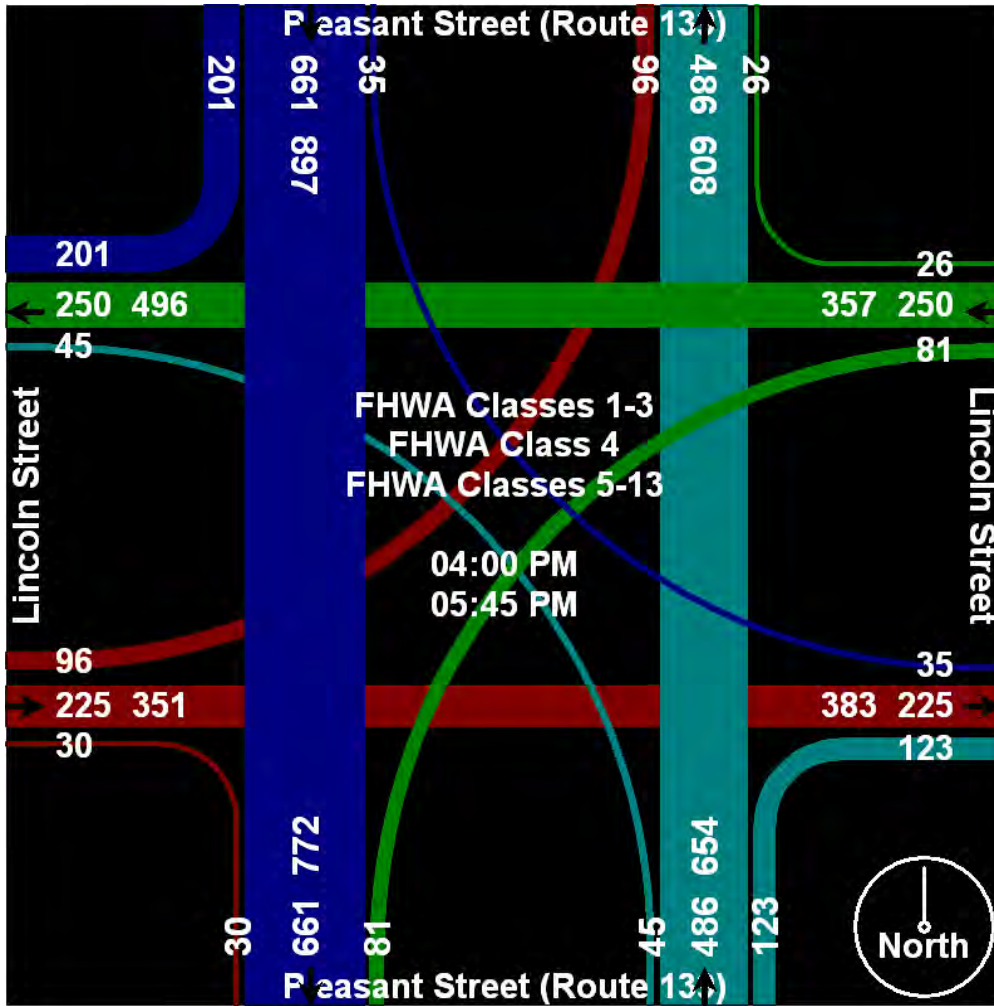




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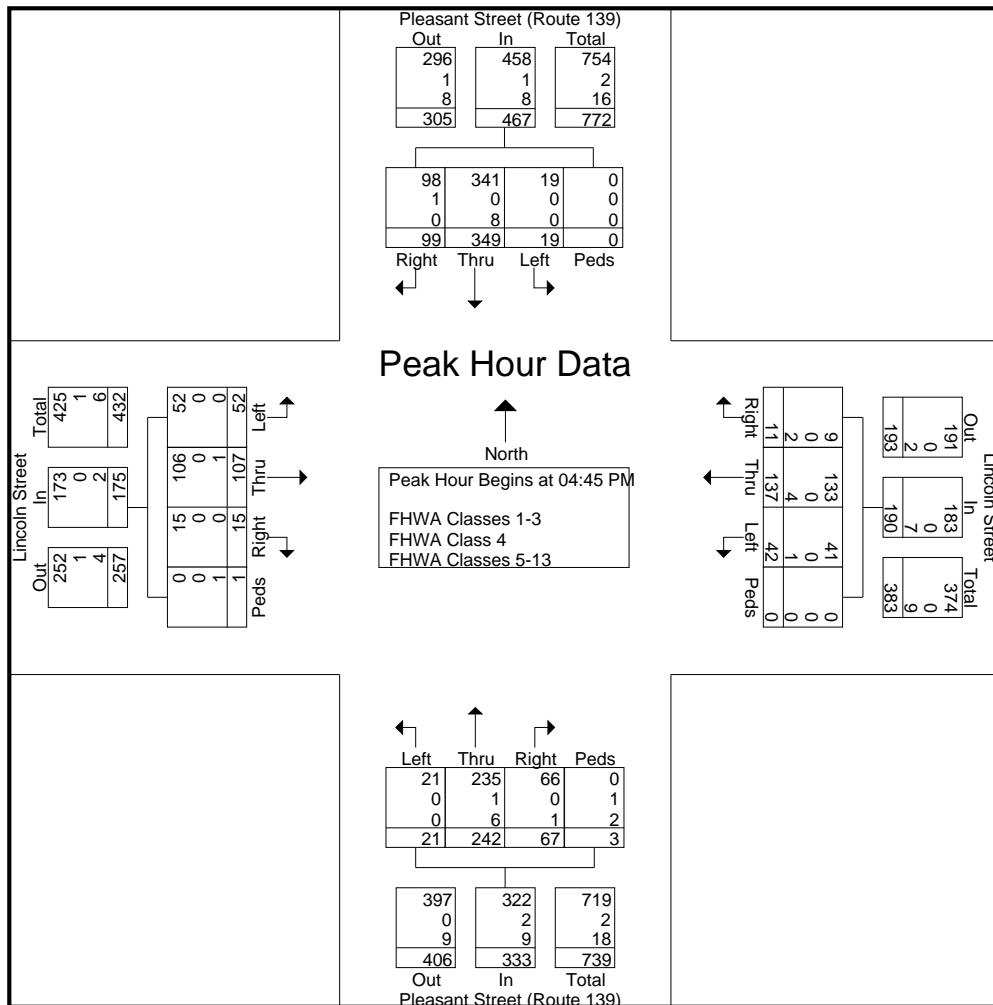


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Start Time	Pleasant Street (Route 139) Southbound					Lincoln Street Westbound					Pleasant Street (Route 139) Northbound					Lincoln Street Eastbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:45 PM																						
04:45 PM	4	82	22	0	108	13	39	3	0	55	4	58	21	0	83	11	25	7	1	44	290	
05:00 PM	6	75	30	0	111	9	26	2	0	37	5	72	13	0	90	13	26	1	0	40	278	
05:15 PM	6	102	26	0	134	13	35	2	0	50	6	53	14	0	73	20	29	2	0	51	308	
05:30 PM	3	90	21	0	114	7	37	4	0	48	6	59	19	3	87	8	27	5	0	40	289	
Total Volume	19	349	99	0	467	42	137	11	0	190	21	242	67	3	333	52	107	15	1	175	1165	
% App. Total	4.1	74.7	21.2	0		22.1	72.1	5.8	0		6.3	72.7	20.1	0.9		29.7	61.1	8.6	0.6			
PHF	.792	.855	.825	.000	.871	.808	.878	.688	.000	.864	.875	.840	.798	.250	.925	.650	.922	.536	.250	.858	.946	
FHWA Classes 1-3	19	341	98	0	458	41	133	9	0	183	21	235	66	0	322	52	106	15	0	173	1136	
% FHWA Classes 1-3	100	97.7	99.0	0	98.1	97.6	97.1	81.8	0	96.3	100	97.1	98.5	0	96.7	100	99.1	100	0	98.9	97.5	
FHWA Class 4	0	0	1	0	1	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	3
% FHWA Class 4	0	0	1.0	0	0.2	0	0	0	0	0	0	0.4	0	33.3	0.6	0	0	0	0	0	0	0.3
FHWA Classes 5-13	0	8	0	0	8	1	4	2	0	7	0	6	1	2	9	0	1	0	1	2	26	
% FHWA Classes 5-13	0	2.3	0	0	1.7	2.4	2.9	18.2	0	3.7	0	2.5	1.5	66.7	2.7	0	0.9	0	100	1.1	2.2	

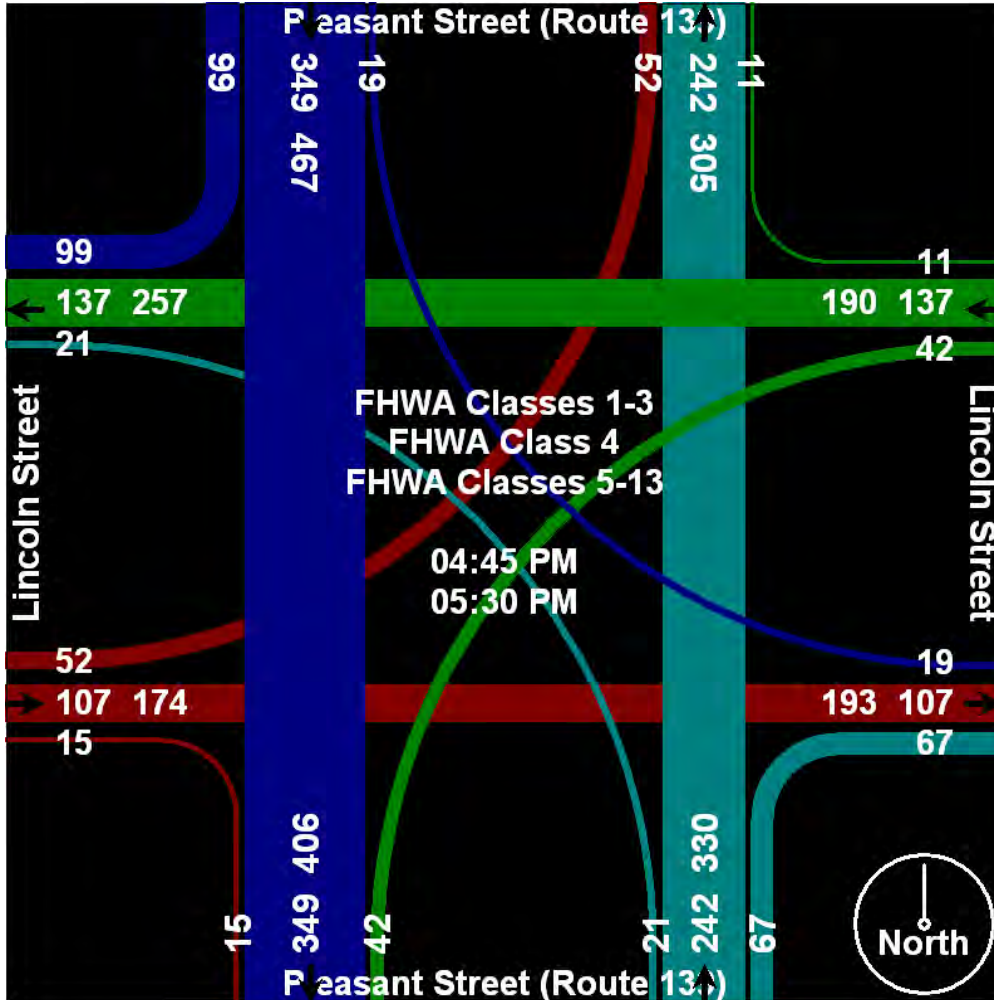




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HCM Unsignalized Intersection Capacity Analysis
 3: Lincoln Street & Pleasant Street (Route 139)

2009 AM Peak Hour LOS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	33	64	11	25	113	9	16	282	47	8	158	49
Peak Hour Factor	0.91	0.91	0.91	0.84	0.84	0.84	0.88	0.88	0.88	0.82	0.82	0.82
Hourly flow rate (vph)	36	70	12	30	135	11	18	320	53	10	193	60
Pedestrians		3			2			1			3	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	710	657	227	676	660	352	255			376		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	710	657	227	676	660	352	255			376		
tC, single (s)	7.2	6.6	6.2	7.2	6.6	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.1	3.4	2.2			2.3		
p0 queue free %	85	81	98	90	63	98	99			99		
cM capacity (veh/h)	237	371	803	297	367	677	1300			1138		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	119	175	392	262
Volume Left	36	30	18	10
Volume Right	12	11	53	60
cSH	331	362	1300	1138
Volume to Capacity	0.36	0.48	0.01	0.01
Queue Length 95th (ft)	39	63	1	1
Control Delay (s)	21.8	23.9	0.5	0.4
Lane LOS	C	C	A	A
Approach Delay (s)	21.8	23.9	0.5	0.4
Approach LOS	C	C		

Intersection Summary			
Average Delay		7.4	
Intersection Capacity Utilization	41.0%	ICU Level of Service	A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Lincoln Street & Pleasant Street (Route 139)

2009 PM Peak Hour LOS



















Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	52	107	15	42	137	11	21	242	67	19	349	99
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86	0.93	0.93	0.93	0.47	0.47	0.47
Hourly flow rate (vph)	60	124	17	49	159	13	23	260	72	40	743	211
Pedestrians		4			3			4				
Lane Width (ft)		12.0			12.0			12.0				
Walking Speed (ft/s)		4.0			4.0			4.0				
Percent Blockage		0			0			0				
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1367	1313	856	1357	1382	299	957			335		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1367	1313	856	1357	1382	299	957			335		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	0	16	95	0	0	98	97			97		
cM capacity (veh/h)	0	148	357	33	133	734	712			1221		

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	202	221	355	994
Volume Left	60	49	23	40
Volume Right	17	13	72	211
cSH	0	82	712	1221
Volume to Capacity	Err	2.69	0.03	0.03
Queue Length 95th (ft)	Err	531	2	3
Control Delay (s)	Err	874.8	1.0	0.9
Lane LOS	F	F	A	A
Approach Delay (s)	Err	874.8	1.0	0.9
Approach LOS	F	F		

Intersection Summary			
Average Delay		Err	
Intersection Capacity Utilization	50.9%	ICU Level of Service	A
Analysis Period (min)	15		

















HCM Unsignalized Intersection Capacity Analysis
 3: Lincoln Street & Pleasant Street (Route 139)

Forecast 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	33	64	11	25	113	9	16	282	47	8	158	49
Peak Hour Factor	0.91	0.91	0.91	0.84	0.84	0.84	0.88	0.88	0.88	0.82	0.82	0.82
Hourly flow rate (vph)	38	74	13	31	141	11	19	336	56	10	202	63
Pedestrians		3			2			1			3	
Lane Width (ft)		12.0			12.0			12.0			12.0	
Walking Speed (ft/s)		4.0			4.0			4.0			4.0	
Percent Blockage		0			0			0			0	
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	745	690	238	709	693	370	268			395		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	745	690	238	709	693	370	268			395		
tC, single (s)	7.2	6.6	6.2	7.2	6.6	6.3	4.1			4.2		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.6	4.1	3.4	2.2			2.3		
p0 queue free %	82	79	98	89	60	98	99			99		
cM capacity (veh/h)	215	354	791	276	350	662	1287			1120		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	125	184	412	275								
Volume Left	38	31	19	10								
Volume Right	13	11	56	63								
cSH	310	345	1287	1120								
Volume to Capacity	0.40	0.53	0.01	0.01								
Queue Length 95th (ft)	47	75	1	1								
Control Delay (s)	24.2	26.8	0.5	0.4								
Lane LOS	C	D	A	A								
Approach Delay (s)	24.2	26.8	0.5	0.4								
Approach LOS	C	D										
Intersection Summary												
Average Delay			8.3									
Intersection Capacity Utilization			42.7%		ICU Level of Service					A		
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis
 3: Lincoln Street & Pleasant Street (Route 139)

Forecast 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Free			Free	
Grade		0%			0%			0%			0%	
Volume (veh/h)	52	107	15	42	137	11	21	242	67	19	349	99
Peak Hour Factor	0.86	0.86	0.86	0.86	0.86	0.86	0.93	0.93	0.93	0.47	0.47	0.47
Hourly flow rate (vph)	63	131	18	51	167	13	24	273	76	42	780	221
Pedestrians		4			3			4				
Lane Width (ft)		12.0			12.0			12.0				
Walking Speed (ft/s)		4.0			4.0			4.0				
Percent Blockage		0			0			0				
Right turn flare (veh)												
Median type		None			None							
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1435	1378	898	1424	1451	314	1005			352		
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1435	1378	898	1424	1451	314	1005			352		
tC, single (s)	7.1	6.5	6.2	7.1	6.5	6.2	4.1			4.1		
tC, 2 stage (s)												
tF (s)	3.5	4.0	3.3	3.5	4.0	3.3	2.2			2.2		
p0 queue free %	0	3	95	0	0	98	97			96		
cM capacity (veh/h)	0	135	337	11	120	720	683			1204		
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	212	232	373	1043								
Volume Left	63	51	24	42								
Volume Right	18	13	76	221								
cSH	0	39	683	1204								
Volume to Capacity	Err	5.99	0.03	0.04								
Queue Length 95th (ft)	Err	Err	3	3								
Control Delay (s)	Err	Err	1.1	1.0								
Lane LOS	F	F	A	A								
Approach Delay (s)	Err	Err	1.1	1.0								
Approach LOS	F	F										
Intersection Summary												
Average Delay			Err									
Intersection Capacity Utilization			53.1%		ICU Level of Service					A		
Analysis Period (min)			15									

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Jun-09

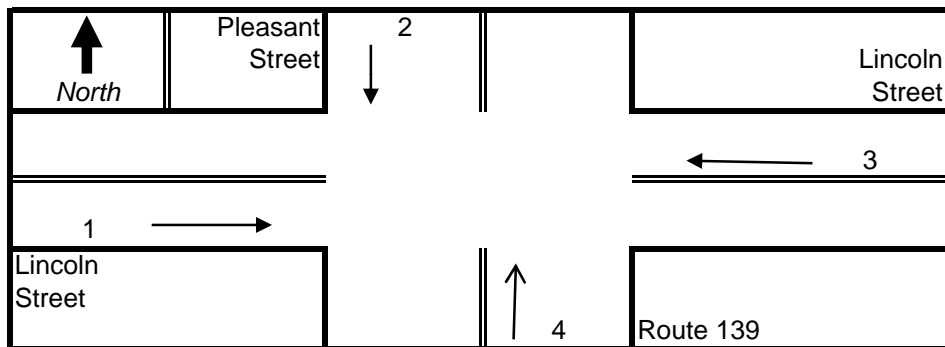
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Pleasant Street (Route 139)

MINOR STREET(S) : Lincoln Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	175	467	190	333		1,165

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

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

Signal Warrants - Summary

Major Street Approaches

Northbound: Pleasant Street (Route 139)

Number of Lanes: 1
Approach Speed: 35
Total Approach Volume: 4,731

Southbound: Pleasant Street (Route 139)

Number of Lanes: 1
Approach Speed: 43
Total Approach Volume: 4,610

Minor Street Approaches

Eastbound: Lincoln Street

Number of Lanes: 1

Total Approach Volume: 2,366

Westbound: Lincoln Street

Number of Lanes: 1

Total Approach Volume: 3,026

Warrant Summary (Urban values apply.)

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



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File Name : 285_Pleasant(139)&Central_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

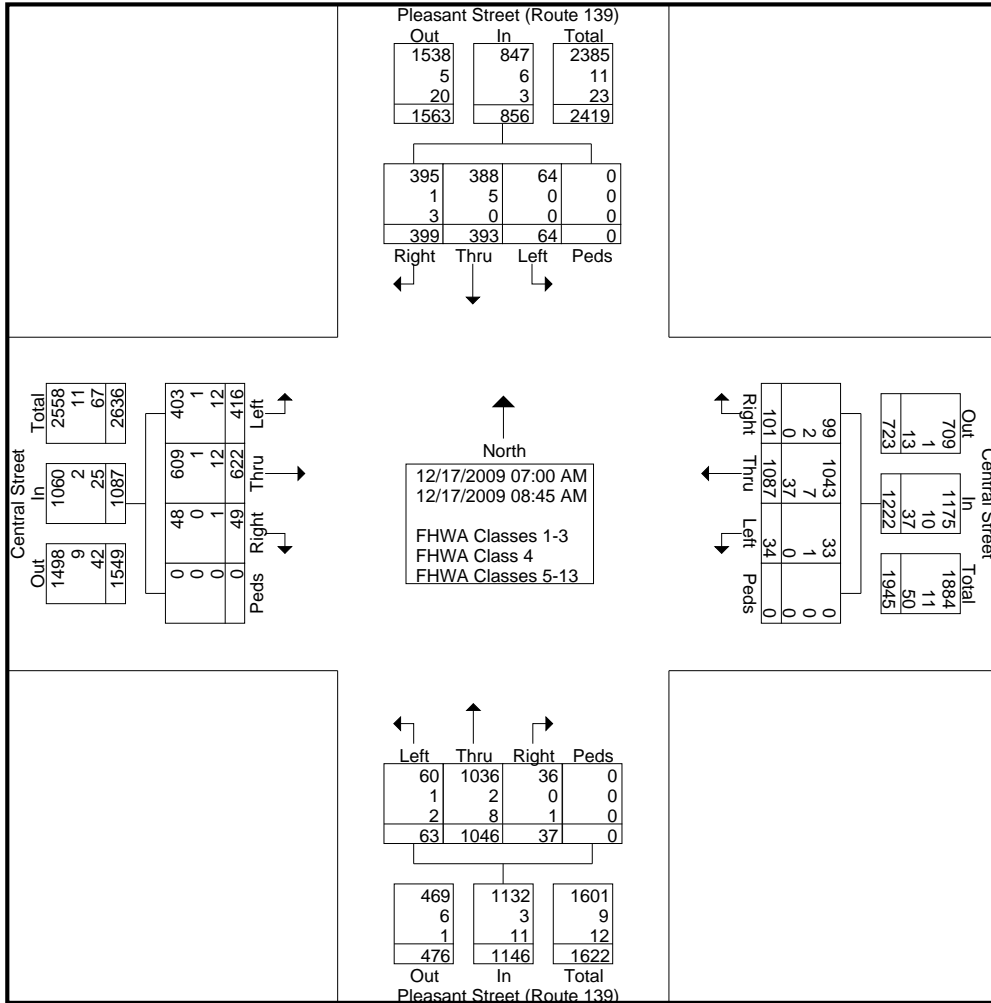
Start Time	Pleasant Street (Route 139) Southbound					Central Street Westbound					Pleasant Street (Route 139) Northbound					Central Street Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	3	43	57	0	103	0	125	8	0	133	13	112	5	0	130	40	65	7	0	112	478
07:15 AM	8	48	45	0	101	4	142	9	0	155	8	138	6	0	152	44	78	2	0	124	532
07:30 AM	8	40	43	0	91	6	152	8	0	166	6	123	6	0	135	48	91	9	0	148	540
07:45 AM	11	48	37	0	96	2	127	15	0	144	10	134	8	0	152	58	75	7	0	140	532
Total	30	179	182	0	391	12	546	40	0	598	37	507	25	0	569	190	309	25	0	524	2082
08:00 AM	7	47	48	0	102	6	150	27	0	183	8	133	3	0	144	59	84	5	0	148	577
08:15 AM	13	71	53	0	137	3	136	17	0	156	9	196	3	0	208	51	78	7	0	136	637
08:30 AM	9	51	52	0	112	8	129	12	0	149	5	127	5	0	137	56	76	8	0	140	538
08:45 AM	5	45	64	0	114	5	126	5	0	136	4	83	1	0	88	60	75	4	0	139	477
Total	34	214	217	0	465	22	541	61	0	624	26	539	12	0	577	226	313	24	0	563	2229
Grand Total	64	393	399	0	856	34	1087	101	0	1222	63	1046	37	0	1146	416	622	49	0	1087	4311
Apprch %	7.5	45.9	46.6	0		2.8	89	8.3	0		5.5	91.3	3.2	0		38.3	57.2	4.5	0		
Total %	1.5	9.1	9.3	0	19.9	0.8	25.2	2.3	0	28.3	1.5	24.3	0.9	0	26.6	9.6	14.4	1.1	0	25.2	
FHWA Classes 1-3	64	388	395	0	847	33	1043	99	0	1175	60	1036	36	0	1132	403	609	48	0	1060	4214
% FHWA Classes 1-3	100	98.7	99	0	98.9	97.1	96	98	0	96.2	95.2	99	97.3	0	98.8	96.9	97.9	98	0	97.5	97.7
FHWA Class 4	0	5	1	0	6	1	7	2	0	10	1	2	0	0	3	1	1	0	0	2	21
% FHWA Class 4	0	1.3	0.3	0	0.7	2.9	0.6	2	0	0.8	1.6	0.2	0	0	0.3	0.2	0.2	0	0	0.2	0.5
FHWA Classes 5-13	0	0	3	0	3	0	37	0	0	37	2	8	1	0	11	12	12	1	0	25	76
% FHWA Classes 5-13	0	0	0.8	0	0.4	0	3.4	0	0	3	3.2	0.8	2.7	0	1	2.9	1.9	2	0	2.3	1.8



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File Name : 285_Pleasant(139)&Central_AM
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 Page No : 2

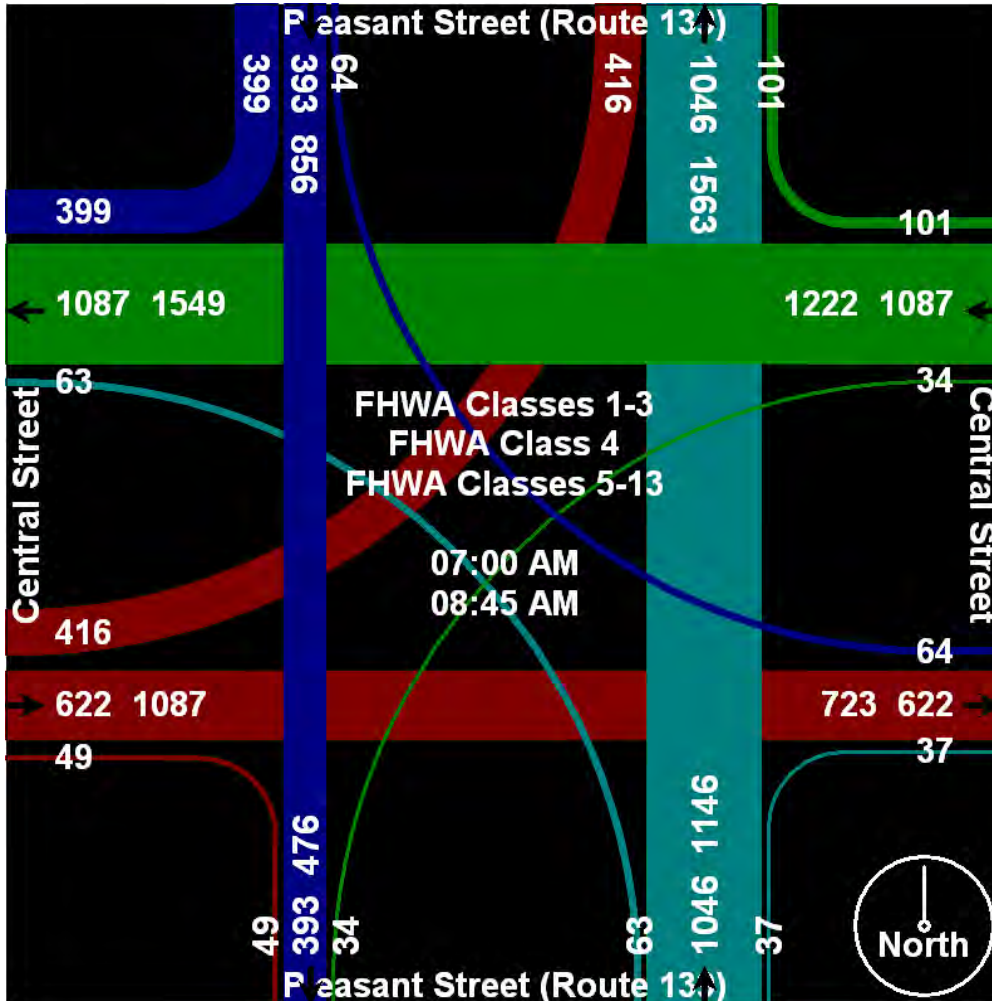




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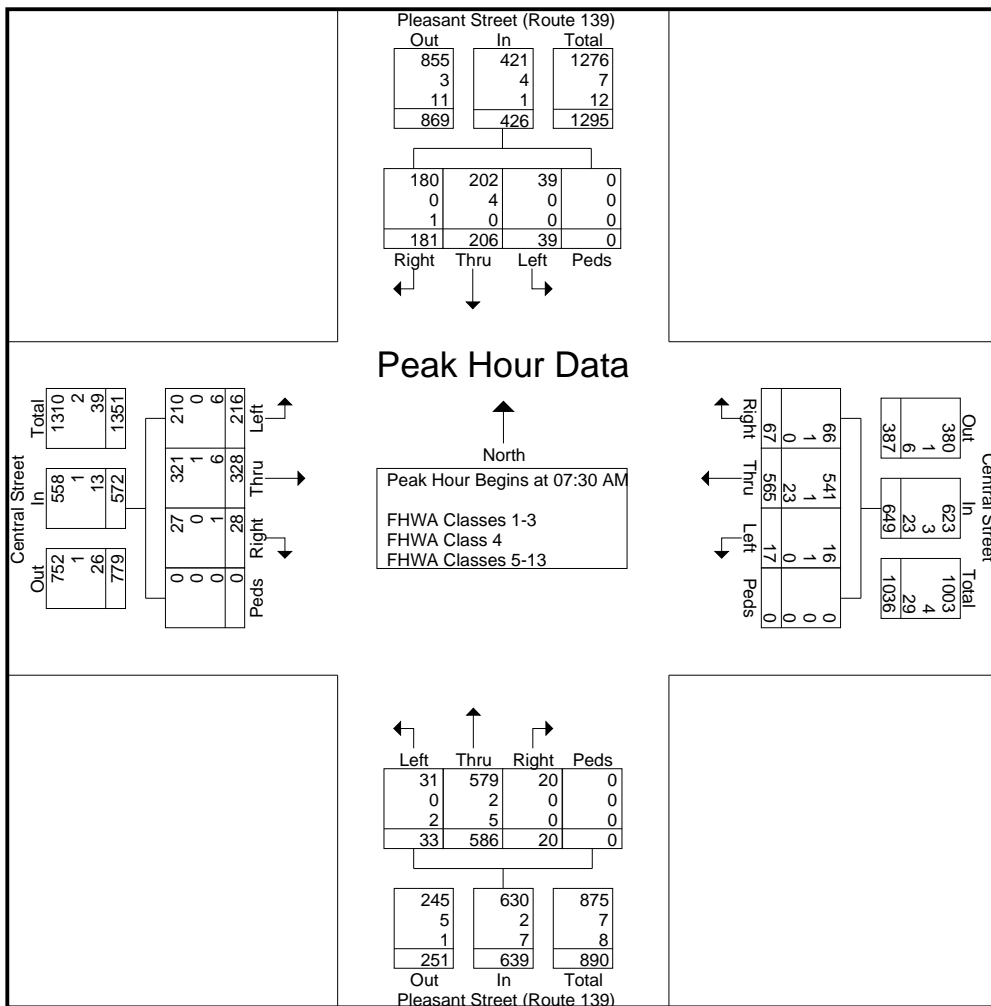


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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:30 AM																						
07:30 AM	8	40	43	0	91	6	152	8	0	166	6	123	6	0	135	48	91	9	0	148	540	
07:45 AM	11	48	37	0	96	2	127	15	0	144	10	134	8	0	152	58	75	7	0	140	532	
08:00 AM	7	47	48	0	102	6	150	27	0	183	8	133	3	0	144	59	84	5	0	148	577	
08:15 AM	13	71	53	0	137	3	136	17	0	156	9	196	3	0	208	51	78	7	0	136	637	
Total Volume	39	206	181	0	426	17	565	67	0	649	33	586	20	0	639	216	328	28	0	572	2286	
% App. Total	9.2	48.4	42.5	0		2.6	87.1	10.3	0		5.2	91.7	3.1	0		37.8	57.3	4.9	0			
PHF	.750	.725	.854	.000	.777	.708	.929	.620	.000	.887	.825	.747	.625	.000	.768	.915	.901	.778	.000	.966	.897	
FHWA Classes 1-3	39	202	180	0	421	16	541	66	0	623	31	579	20	0	630	210	321	27	0	558	2232	
% FHWA Classes 1-3	100	98.1	99.4	0	98.8	94.1	95.8	98.5	0	96.0	93.9	98.8	100	0	98.6	97.2	97.9	96.4	0	97.6	97.6	
FHWA Class 4	0	4	0	0	4	1	1	1	0	3	0	2	0	0	2	0	1	0	0	0	1	10
% FHWA Class 4	0	1.9	0	0	0.9	5.9	0.2	1.5	0	0.5	0	0.3	0	0	0.3	0	0.3	0	0	0	0.4	0.4
FHWA Classes 5-13	0	0	1	0	1	0	23	0	0	23	2	5	0	0	7	6	6	1	0	13	44	
% FHWA Classes 5-13	0	0	0.6	0	0.2	0	4.1	0	0	3.5	6.1	0.9	0	0	1.1	2.8	1.8	3.6	0	2.3	1.9	

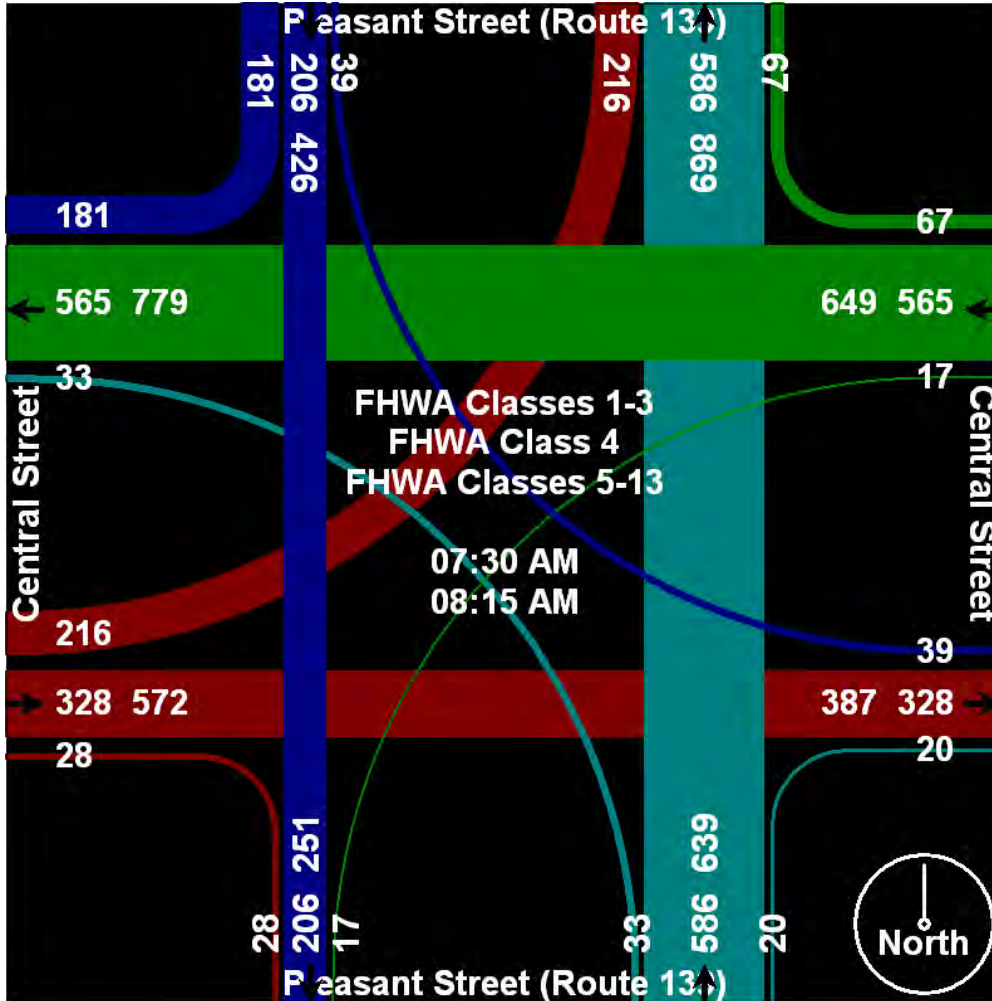




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Groups Printed- 3 - FHWA 4 - 13

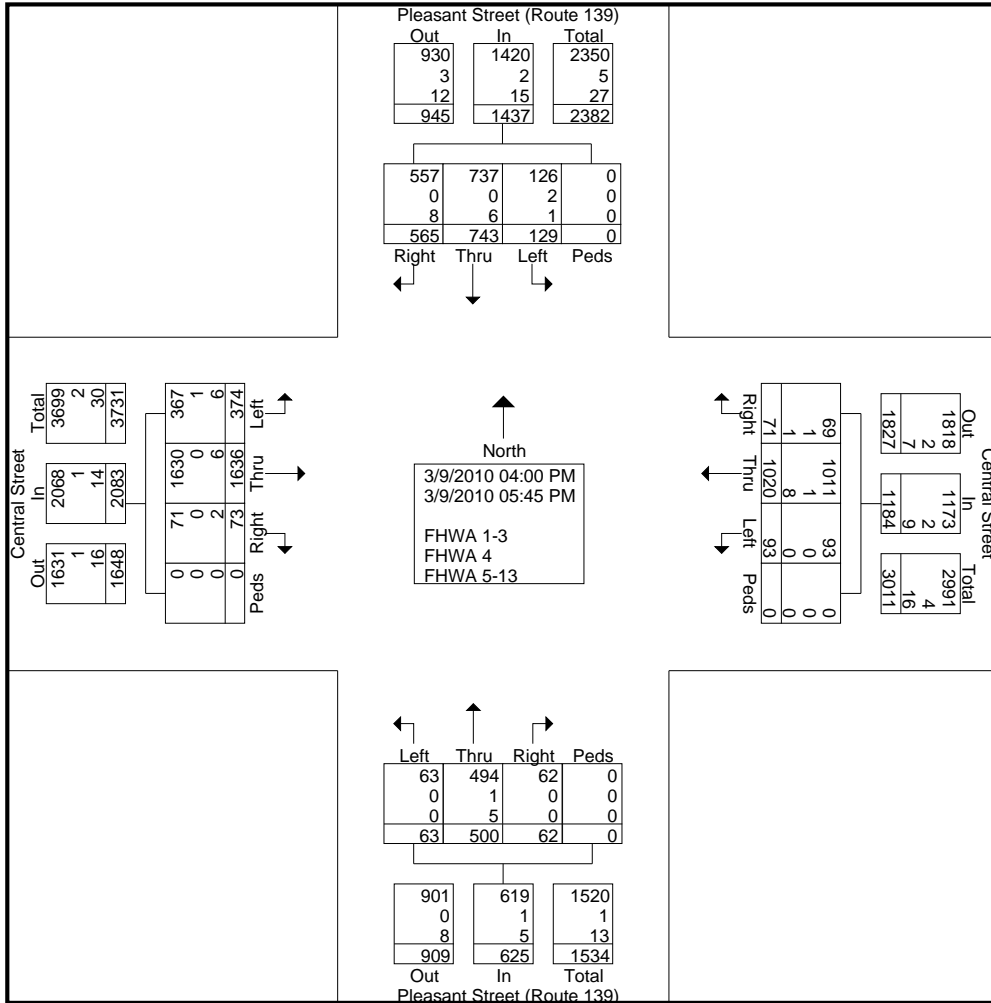
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	22	94	62	0	178	13	76	6	0	95	1	58	12	0	71	55	168	6	0	229	573
04:15 PM	16	81	61	0	158	3	111	9	0	123	3	52	6	0	61	48	170	12	0	230	572
04:30 PM	17	94	58	0	169	7	140	9	0	156	10	63	9	0	82	45	194	14	0	253	660
04:45 PM	11	105	86	0	202	11	167	12	0	190	11	55	7	0	73	42	193	9	0	244	709
Total	66	374	267	0	707	34	494	36	0	564	25	228	34	0	287	190	725	41	0	956	2514
05:00 PM	17	86	68	0	171	27	138	7	0	172	15	79	5	0	99	45	210	12	0	267	709
05:15 PM	15	104	71	0	190	13	120	13	0	146	8	65	7	0	80	43	235	9	0	287	703
05:30 PM	14	86	90	0	190	9	143	5	0	157	7	64	5	0	76	44	253	6	0	303	726
05:45 PM	17	93	69	0	179	10	125	10	0	145	8	64	11	0	83	52	213	5	0	270	677
Total	63	369	298	0	730	59	526	35	0	620	38	272	28	0	338	184	911	32	0	1127	2815
Grand Total	129	743	565	0	1437	93	1020	71	0	1184	63	500	62	0	625	374	1636	73	0	2083	5329
Apprch %	9	51.7	39.3	0		7.9	86.1	6	0		10.1	80	9.9	0		18	78.5	3.5	0		
Total %	2.4	13.9	10.6	0	27	1.7	19.1	1.3	0	22.2	1.2	9.4	1.2	0	11.7	7	30.7	1.4	0	39.1	
FHWA 1-3	126	737	557	0	1420	93	1011	69	0	1173	63	494	62	0	619	367	1630	71	0	2068	5280
% FHWA 1-3	97.7	99.2	98.6	0	98.8	100	99.1	97.2	0	99.1	100	98.8	100	0	99	98.1	99.6	97.3	0	99.3	99.1
FHWA 4	2	0	0	0	2	0	1	1	0	2	0	1	0	0	1	1	0	0	0	1	6
% FHWA 4	1.6	0	0	0	0.1	0	0.1	1.4	0	0.2	0	0.2	0	0	0.2	0.3	0	0	0	0	0.1
FHWA 5-13	1	6	8	0	15	0	8	1	0	9	0	5	0	0	5	6	6	2	0	14	43
% FHWA 5-13	0.8	0.8	1.4	0	1	0	0.8	1.4	0	0.8	0	1	0	0	0.8	1.6	0.4	2.7	0	0.7	0.8



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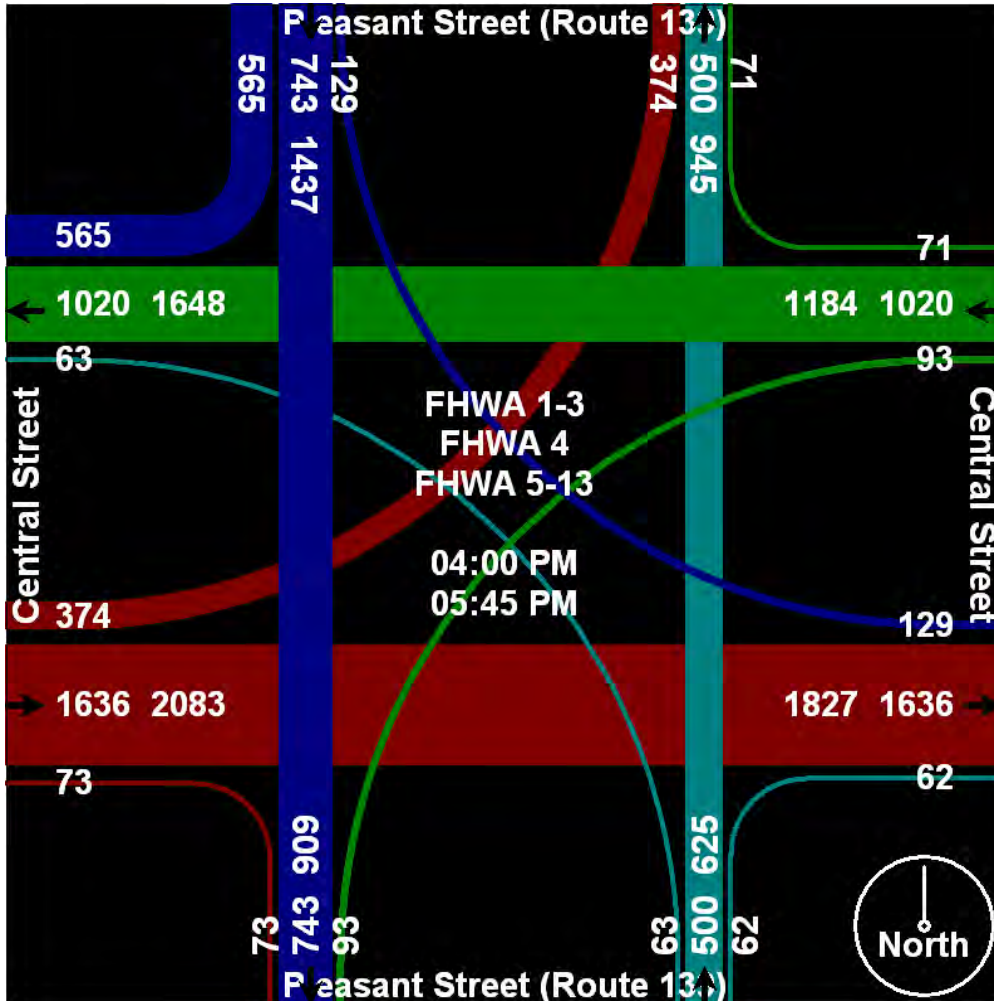




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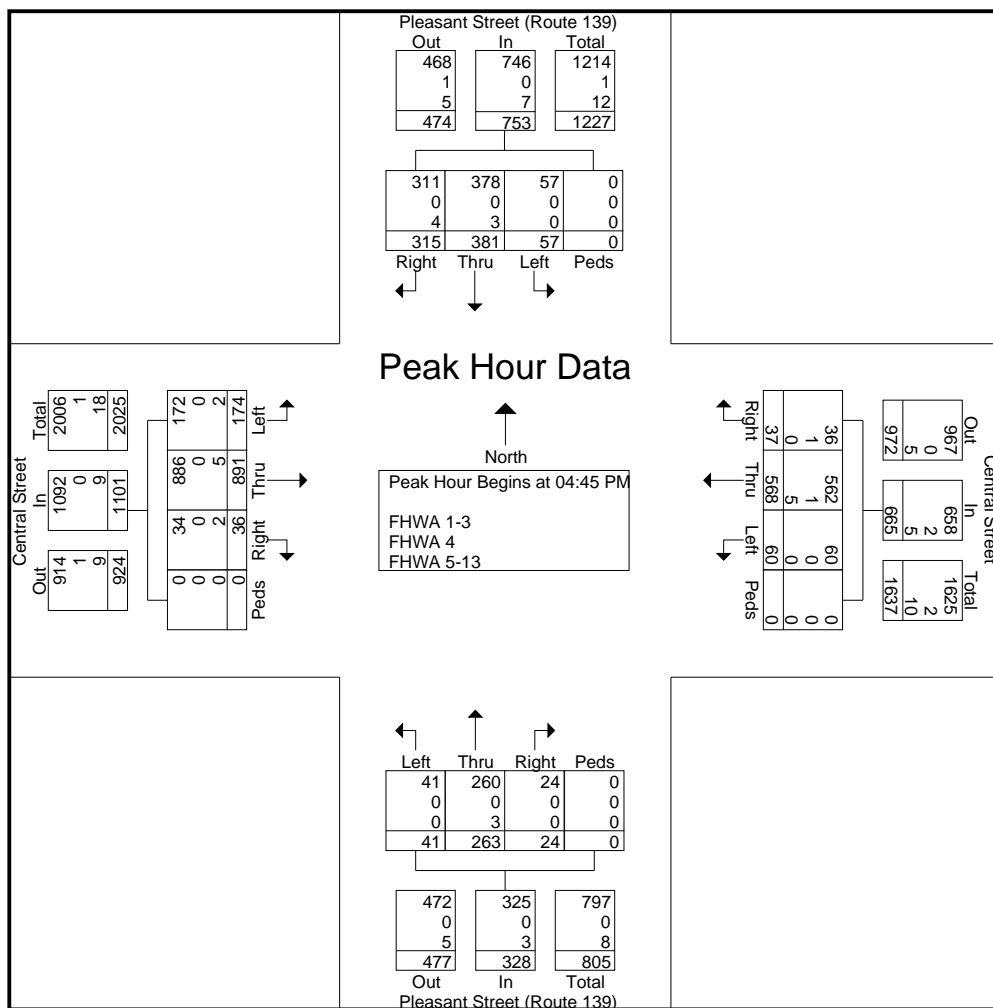


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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	11	105	86	0	202	11	167	12	0	190	11	55	7	0	73	42	193	9	0	244	709
05:00 PM	17	86	68	0	171	27	138	7	0	172	15	79	5	0	99	45	210	12	0	267	709
05:15 PM	15	104	71	0	190	13	120	13	0	146	8	65	7	0	80	43	235	9	0	287	703
05:30 PM	14	86	90	0	190	9	143	5	0	157	7	64	5	0	76	44	253	6	0	303	726
Total Volume	57	381	315	0	753	60	568	37	0	665	41	263	24	0	328	174	891	36	0	1101	2847
% App. Total	7.6	50.6	41.8	0		9	85.4	5.6	0		12.5	80.2	7.3	0		15.8	80.9	3.3	0		
PHF	.838	.907	.875	.000	.932	.556	.850	.712	.000	.875	.683	.832	.857	.000	.828	.967	.880	.750	.000	.908	.980
FHWA 1-3	57	378	311	0	746	60	562	36	0	658	41	260	24	0	325	172	886	34	0	1092	2821
% FHWA 1-3	100	99.2	98.7	0	99.1	100	98.9	97.3	0	98.9	100	98.9	100	0	99.1	98.9	99.4	94.4	0	99.2	99.1
FHWA 4	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	2
% FHWA 4	0	0	0	0	0	0	0.2	2.7	0	0.3	0	0	0	0	0	0	0	0	0	0	0.1
FHWA 5-13	0	3	4	0	7	0	5	0	0	5	0	3	0	0	3	2	5	2	0	9	24
% FHWA 5-13	0	0.8	1.3	0	0.9	0	0.9	0	0	0.8	0	1.1	0	0	0.9	1.1	0.6	5.6	0	0.8	0.8

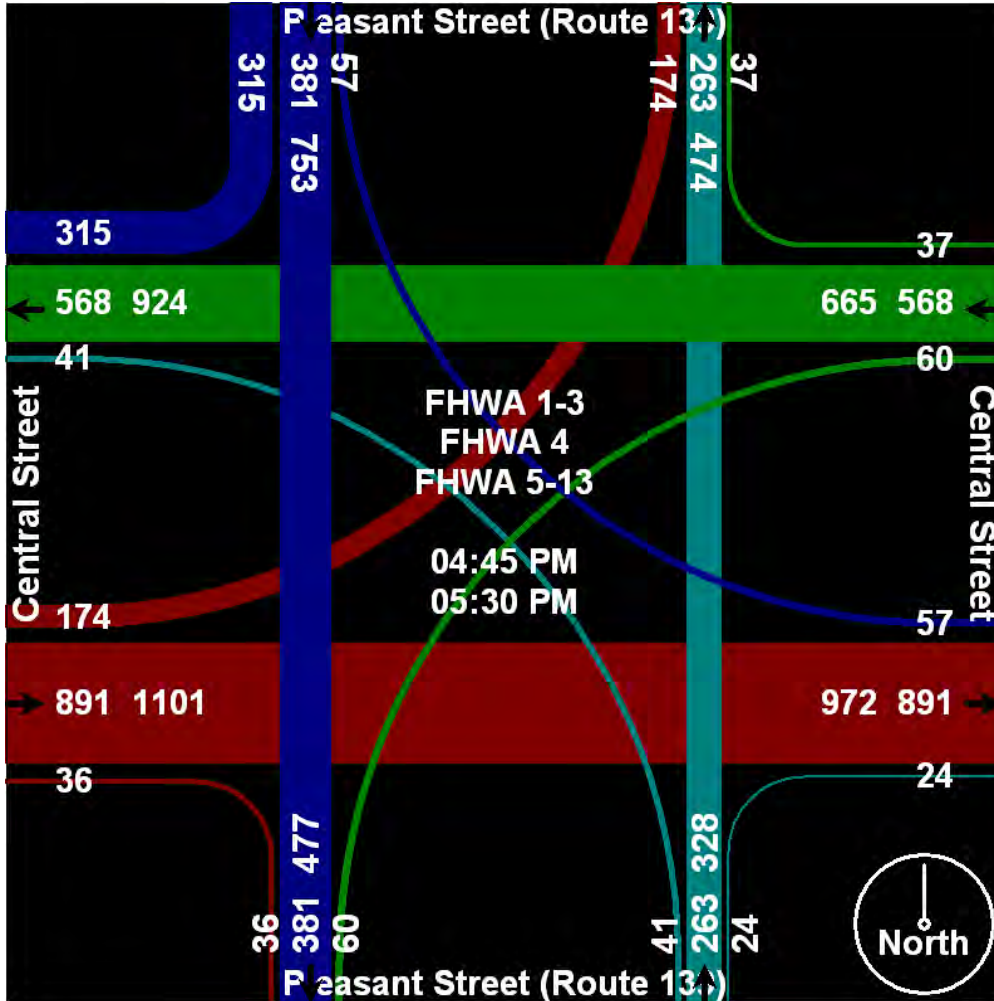




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File Name : 285_Pleasant(139)&Central_PM
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Start Date : 3/9/2010
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Image 1




















HCM Signalized Intersection Capacity Analysis
 3: Central Street & Pleasant Street (Route 139)

2009 AM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0			4.0			4.0	
Lane Util. Factor	1.00	1.00			1.00			1.00			1.00	
Frt	1.00	0.99			0.99			1.00			0.94	
Flt Protected	0.95	1.00			1.00			1.00			1.00	
Satd. Flow (prot)	1770	1841			1799			1868			1765	
Flt Permitted	0.26	1.00			0.99			0.96			0.86	
Satd. Flow (perm)	479	1841			1778			1794			1529	
Volume (vph)	216	328	28	17	565	67	33	586	20	39	206	181
Peak-hour factor, PHF	0.97	0.97	0.97	0.89	0.89	0.89	0.77	0.77	0.77	0.78	0.78	0.78
Adj. Flow (vph)	223	338	29	19	635	75	43	761	26	50	264	232
RTOR Reduction (vph)	0	4	0	0	5	0	0	2	0	0	33	0
Lane Group Flow (vph)	223	363	0	0	724	0	0	828	0	0	513	0
Heavy Vehicles (%)	2%	2%	2%	4%	4%	4%	1%	1%	1%	1%	1%	1%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		6			2			4			8	
Permitted Phases	6			2			4			8		
Actuated Green, G (s)	36.0	36.0			36.0			36.0			36.0	
Effective Green, g (s)	36.0	36.0			36.0			36.0			36.0	
Actuated g/C Ratio	0.45	0.45			0.45			0.45			0.45	
Clearance Time (s)	4.0	4.0			4.0			4.0			4.0	
Vehicle Extension (s)	3.0	3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)	216	828			800			807			688	
v/s Ratio Prot		0.20										
v/s Ratio Perm	c0.47				0.41			c0.46			0.34	
v/c Ratio	1.03	0.44			0.91			1.03			0.75	
Uniform Delay, d1	22.0	15.1			20.4			22.0			18.2	
Progression Factor	1.00	1.00			1.00			1.00			1.00	
Incremental Delay, d2	69.9	1.7			15.7			38.6			4.4	
Delay (s)	91.9	16.8			36.1			60.6			22.6	
Level of Service	F	B			D			E			C	
Approach Delay (s)		45.2			36.1			60.6			22.6	
Approach LOS		D			D			E			C	
Intersection Summary												
HCM Average Control Delay			42.9					HCM Level of Service			D	
HCM Volume to Capacity ratio			1.03									
Actuated Cycle Length (s)			80.0					Sum of lost time (s)		8.0		
Intersection Capacity Utilization			103.3%					ICU Level of Service		G		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 3: Central Street & Pleasant Street (Route 139)

2009 PM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0			4.0			4.0	
Lane Util. Factor	1.00	1.00			1.00			1.00			1.00	
Frt	1.00	0.95			0.99			0.99			0.94	
Flt Protected	0.95	1.00			1.00			0.99			1.00	
Satd. Flow (prot)	1770	1777			1859			1851			1765	
Flt Permitted	0.26	1.00			0.63			0.84			0.95	
Satd. Flow (perm)	492	1777			1168			1570			1675	
Volume (vph)	36	391	174	60	568	37	41	263	24	57	361	315
Peak-hour factor, PHF	0.91	0.91	0.91	0.88	0.88	0.88	0.83	0.83	0.83	0.93	0.93	0.93
Adj. Flow (vph)	40	430	191	68	645	42	49	317	29	61	388	339
RTOR Reduction (vph)	0	20	0	0	3	0	0	3	0	0	34	0
Lane Group Flow (vph)	40	601	0	0	752	0	0	392	0	0	754	0
Heavy Vehicles (%)	2%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		6			2			4			8	
Permitted Phases	6			2			4			8		
Actuated Green, G (s)	36.0	36.0			36.0			36.0			36.0	
Effective Green, g (s)	36.0	36.0			36.0			36.0			36.0	
Actuated g/C Ratio	0.45	0.45			0.45			0.45			0.45	
Clearance Time (s)	4.0	4.0			4.0			4.0			4.0	
Vehicle Extension (s)	3.0	3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)	221	800			526			707			754	
v/s Ratio Prot		0.34										
v/s Ratio Perm	0.08				c0.64			0.25			c0.45	
v/c Ratio	0.18	0.75			1.43			0.55			1.00	
Uniform Delay, d1	13.2	18.3			22.0			16.1			22.0	
Progression Factor	1.00	1.00			1.00			1.00			1.00	
Incremental Delay, d2	1.8	6.4			204.3			0.9			32.5	
Delay (s)	15.0	24.7			226.3			17.1			54.5	
Level of Service	B	C			F			B			D	
Approach Delay (s)		24.1			226.3			17.1			54.5	
Approach LOS		C			F			B			D	
Intersection Summary												
HCM Average Control Delay			91.0			HCM Level of Service				F		
HCM Volume to Capacity ratio			1.22									
Actuated Cycle Length (s)			80.0			Sum of lost time (s)			8.0			
Intersection Capacity Utilization			126.0%			ICU Level of Service				H		
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

3: Central Street & Pleasant Street (Route 139)

Forecast 2014 AM Peak Hour LOS



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0			4.0			4.0	
Lane Util. Factor	1.00	1.00			1.00			1.00			1.00	
Frt	1.00	0.99			0.99			1.00			0.94	
Flt Protected	0.95	1.00			1.00			1.00			1.00	
Satd. Flow (prot)	1770	1841			1799			1868			1765	
Flt Permitted	0.24	1.00			0.99			0.96			0.85	
Satd. Flow (perm)	451	1841			1777			1790			1504	
Volume (vph)	216	328	28	17	565	67	33	586	20	39	206	181
Peak-hour factor, PHF	0.97	0.97	0.97	0.89	0.89	0.89	0.77	0.77	0.77	0.78	0.78	0.78
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	234	355	30	20	667	79	45	799	27	52	277	244
RTOR Reduction (vph)	0	4	0	0	5	0	0	2	0	0	34	0
Lane Group Flow (vph)	234	381	0	0	761	0	0	869	0	0	539	0
Heavy Vehicles (%)	2%	2%	2%	4%	4%	4%	1%	1%	1%	1%	1%	1%
Turn Type	Perm		Perm		Perm		Perm		Perm		Perm	
Protected Phases	6		2		2		4		4		8	
Permitted Phases	6		2		2		4		4		8	
Actuated Green, G (s)	36.0	36.0			36.0			36.0			36.0	
Effective Green, g (s)	36.0	36.0			36.0			36.0			36.0	
Actuated g/C Ratio	0.45	0.45			0.45			0.45			0.45	
Clearance Time (s)	4.0	4.0			4.0			4.0			4.0	
Vehicle Extension (s)	3.0	3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)	203	828			800			806			677	
v/s Ratio Prot		0.21										
v/s Ratio Perm	c0.52				0.43			c0.49			0.36	
v/c Ratio	1.15	0.46			0.95			1.08			0.80	
Uniform Delay, d1	22.0	15.3			21.2			22.0			18.9	
Progression Factor	1.00	1.00			1.00			1.00			1.00	
Incremental Delay, d2	110.4	1.8			22.0			55.1			6.5	
Delay (s)	132.4	17.1			43.1			77.1			25.3	
Level of Service	F	B			D			E			C	
Approach Delay (s)		60.7			43.1			77.1			25.3	
Approach LOS		E			D			E			C	

Intersection Summary

HCM Average Control Delay	53.8	HCM Level of Service	D
HCM Volume to Capacity ratio	1.12		
Actuated Cycle Length (s)	80.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	108.0%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 3: Central Street & Pleasant Street (Route 139)

Forecast 2014 PM Peak Hour LOS



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0			4.0			4.0	
Lane Util. Factor	1.00	1.00			1.00			1.00			1.00	
Frt	1.00	0.95			0.99			0.99			0.94	
Flt Protected	0.95	1.00			1.00			0.99			1.00	
Satd. Flow (prot)	1770	1777			1859			1851			1765	
Flt Permitted	0.25	1.00			0.57			0.82			0.94	
Satd. Flow (perm)	466	1777			1056			1534			1672	
Volume (vph)	36	391	174	60	568	37	41	263	24	57	361	315
Peak-hour factor, PHF	0.91	0.91	0.91	0.88	0.88	0.88	0.83	0.83	0.83	0.93	0.93	0.93
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	42	451	201	72	678	44	52	333	30	64	408	356
RTOR Reduction (vph)	0	20	0	0	3	0	0	3	0	0	34	0
Lane Group Flow (vph)	42	632	0	0	791	0	0	412	0	0	794	0
Heavy Vehicles (%)	2%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		6			2			4			8	
Permitted Phases	6			2			4			8		
Actuated Green, G (s)	36.0	36.0			36.0			36.0			36.0	
Effective Green, g (s)	36.0	36.0			36.0			36.0			36.0	
Actuated g/C Ratio	0.45	0.45			0.45			0.45			0.45	
Clearance Time (s)	4.0	4.0			4.0			4.0			4.0	
Vehicle Extension (s)	3.0	3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)	210	800			475			690			752	
v/s Ratio Prot		0.36										
v/s Ratio Perm	0.09				0.75			0.27			0.47	
v/c Ratio	0.20	0.79			1.67			0.60			1.06	
Uniform Delay, d1	13.3	18.8			22.0			16.5			22.0	
Progression Factor	1.00	1.00			1.00			1.00			1.00	
Incremental Delay, d2	2.1	7.8			308.8			1.4			48.5	
Delay (s)	15.4	26.6			330.8			17.9			70.5	
Level of Service	B	C			F			B			E	
Approach Delay (s)		25.9			330.8			17.9			70.5	
Approach LOS		C			F			B			E	
Intersection Summary												
HCM Average Control Delay		126.9			HCM Level of Service			F				
HCM Volume to Capacity ratio		1.36										
Actuated Cycle Length (s)		80.0			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		131.8%			ICU Level of Service			H				
Analysis Period (min)		15										
c Critical Lane Group												



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

Community: Stoughton
 Weather: Showers
 Board #: DB-400 (6)
 Staff: BH

File Name : 285_Pleasant(139)&Pine_AM
 Site Code : 285
 Start Date : 6/16/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

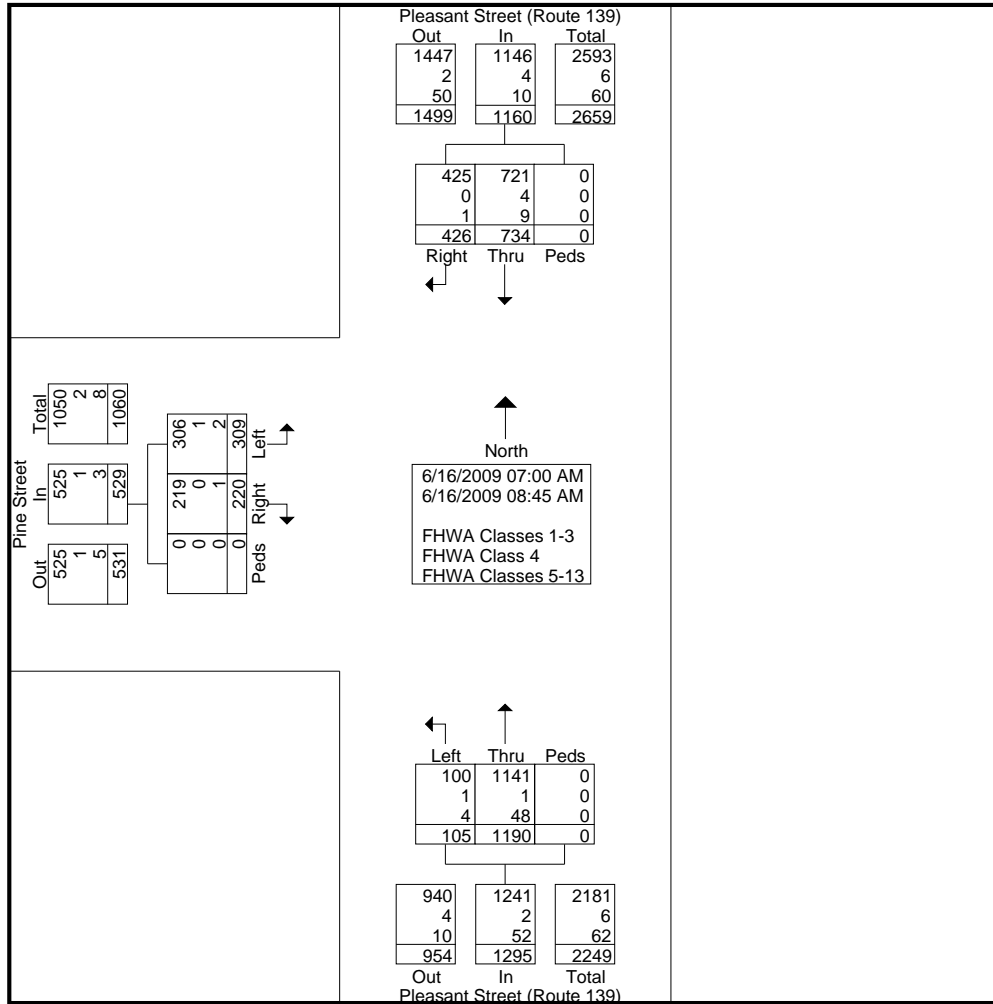
Start Time	Pleasant Street (Route 139) Southbound				Pleasant Street (Route 139) Northbound				Pine Street Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	69	40	0	109	14	149	0	163	21	2	0	23	295
07:15 AM	98	43	0	141	12	155	0	167	36	9	0	45	353
07:30 AM	77	58	0	135	16	153	0	169	37	6	0	43	347
07:45 AM	94	64	0	158	13	165	0	178	27	13	0	40	376
Total	338	205	0	543	55	622	0	677	121	30	0	151	1371
08:00 AM	98	63	0	161	9	144	0	153	56	62	0	118	432
08:15 AM	94	64	0	158	18	124	0	142	72	92	0	164	464
08:30 AM	107	45	0	152	12	153	0	165	38	26	0	64	381
08:45 AM	97	49	0	146	11	147	0	158	22	10	0	32	336
Total	396	221	0	617	50	568	0	618	188	190	0	378	1613
Grand Total	734	426	0	1160	105	1190	0	1295	309	220	0	529	2984
Apprch %	63.3	36.7	0		8.1	91.9	0		58.4	41.6	0		
Total %	24.6	14.3	0	38.9	3.5	39.9	0	43.4	10.4	7.4	0	17.7	
FHWA Classes 1-3	721	425	0	1146	100	1141	0	1241	306	219	0	525	2912
% FHWA Classes 1-3	98.2	99.8	0	98.8	95.2	95.9	0	95.8	99	99.5	0	99.2	97.6
FHWA Class 4	4	0	0	4	1	1	0	2	1	0	0	1	7
% FHWA Class 4	0.5	0	0	0.3	1	0.1	0	0.2	0.3	0	0	0.2	0.2
FHWA Classes 5-13	9	1	0	10	4	48	0	52	2	1	0	3	65
% FHWA Classes 5-13	1.2	0.2	0	0.9	3.8	4	0	4	0.6	0.5	0	0.6	2.2



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Community: Stoughton
 Weather: Showers
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File Name : 285_Pleasant(139)&Pine_AM
 Site Code : 285
 Start Date : 6/16/2009
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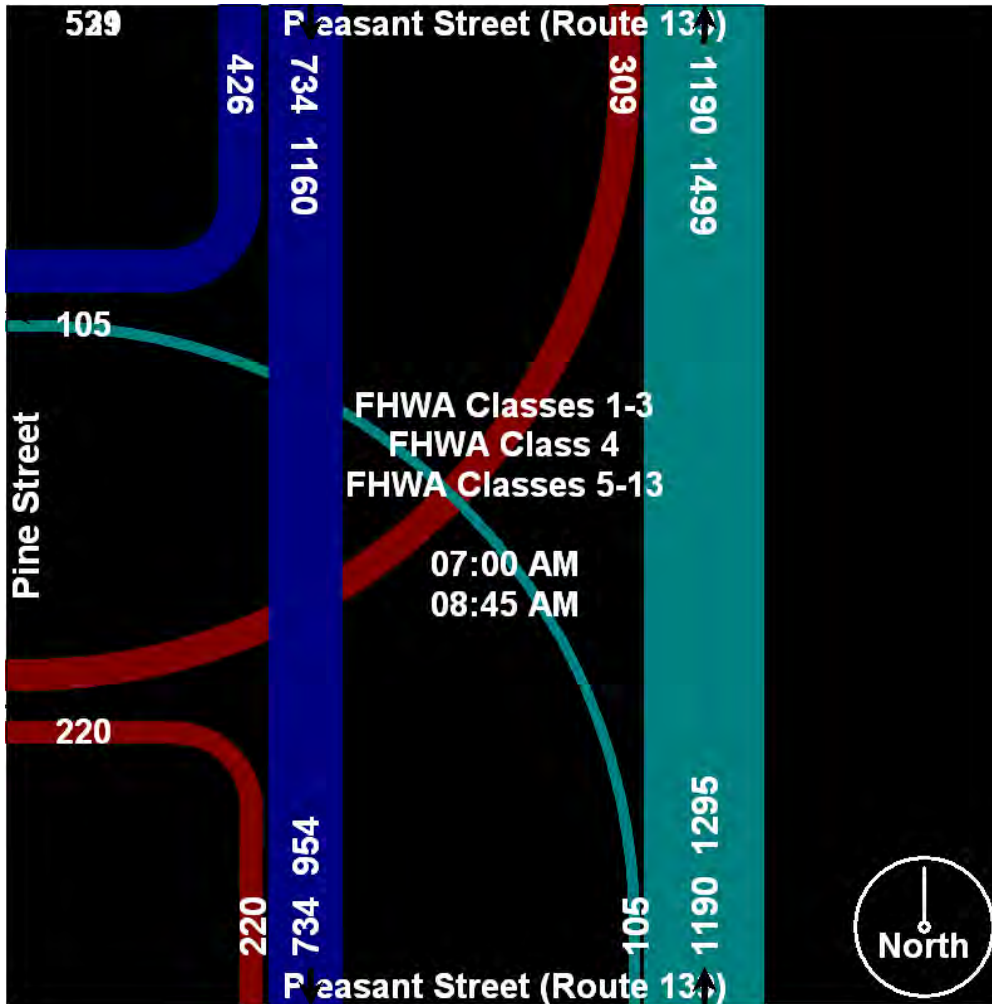




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Start Date : 6/16/2009
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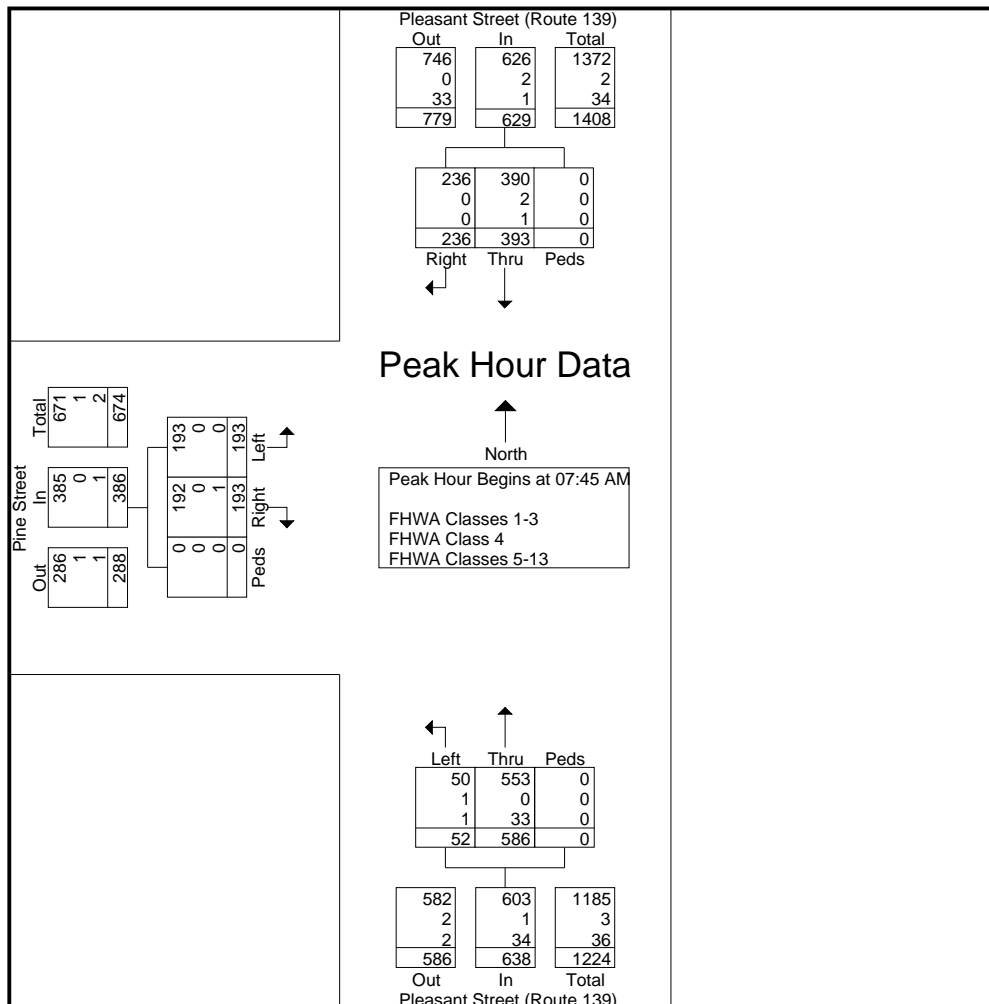


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Community: Stoughton
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Board #: DB-400 (6)
Staff: BH

File Name : 285_Pleasant(139)&Pine_AM
Site Code : 285
Start Date : 6/16/2009
Page No : 4

Start Time	Pleasant Street (Route 139) Southbound				Pleasant Street (Route 139) Northbound				Pine Street Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	94	64	0	158	13	165	0	178	27	13	0	40	376
08:00 AM	98	63	0	161	9	144	0	153	56	62	0	118	432
08:15 AM	94	64	0	158	18	124	0	142	72	92	0	164	464
08:30 AM	107	45	0	152	12	153	0	165	38	26	0	64	381
Total Volume	393	236	0	629	52	586	0	638	193	193	0	386	1653
% App. Total	62.5	37.5	0		8.2	91.8	0		50	50	0		
PHF	.918	.922	.000	.977	.722	.888	.000	.896	.670	.524	.000	.588	.891
FHWA Classes 1-3	390	236	0	626	50	553	0	603	193	192	0	385	1614
% FHWA Classes 1-3	99.2	100	0	99.5	96.2	94.4	0	94.5	100	99.5	0	99.7	97.6
FHWA Class 4	2	0	0	2	1	0	0	1	0	0	0	0	3
% FHWA Class 4	0.5	0	0	0.3	1.9	0	0	0.2	0	0	0	0	0.2
FHWA Classes 5-13	1	0	0	1	1	33	0	34	0	1	0	1	36
% FHWA Classes 5-13	0.3	0	0	0.2	1.9	5.6	0	5.3	0	0.5	0	0.3	2.2

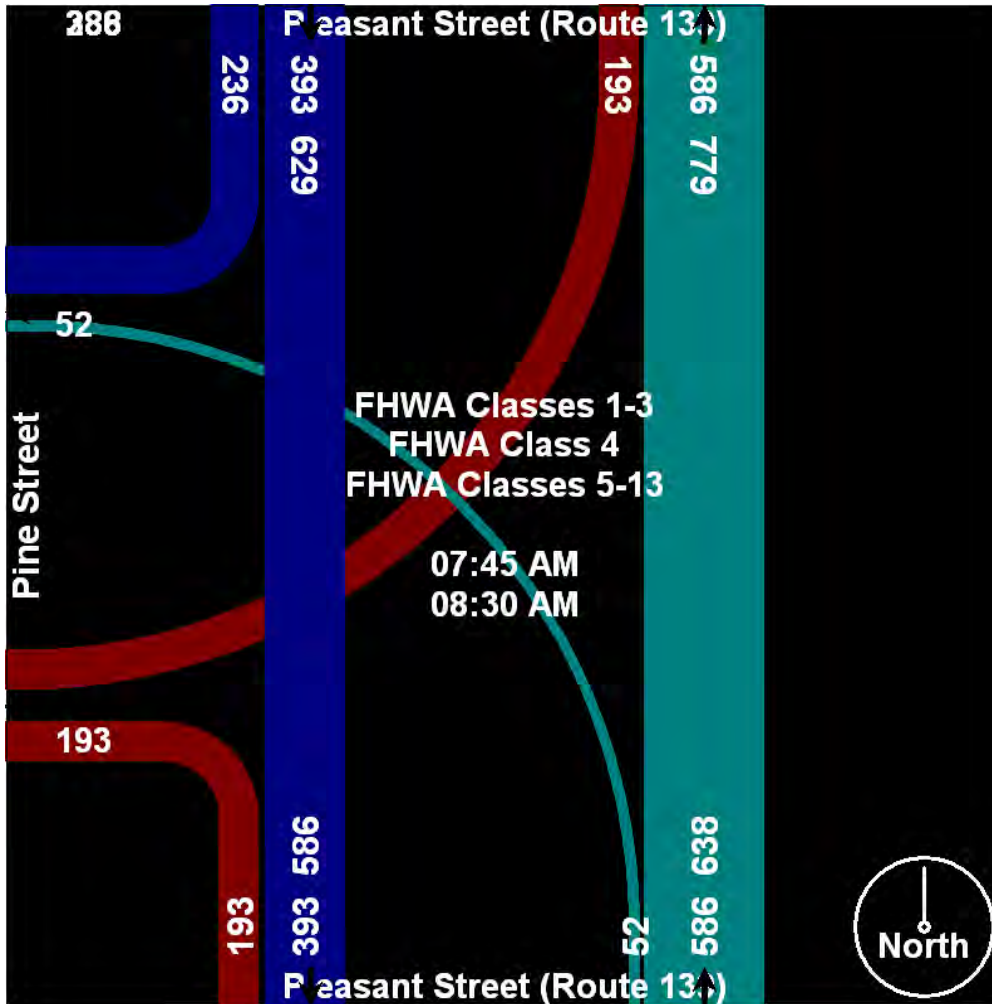




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File Name : 285_Pleasant(139)&Pine_AM
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
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www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 285_Pleasant(139)&Pine_PM
 Site Code : 285
 Start Date : 6/16/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

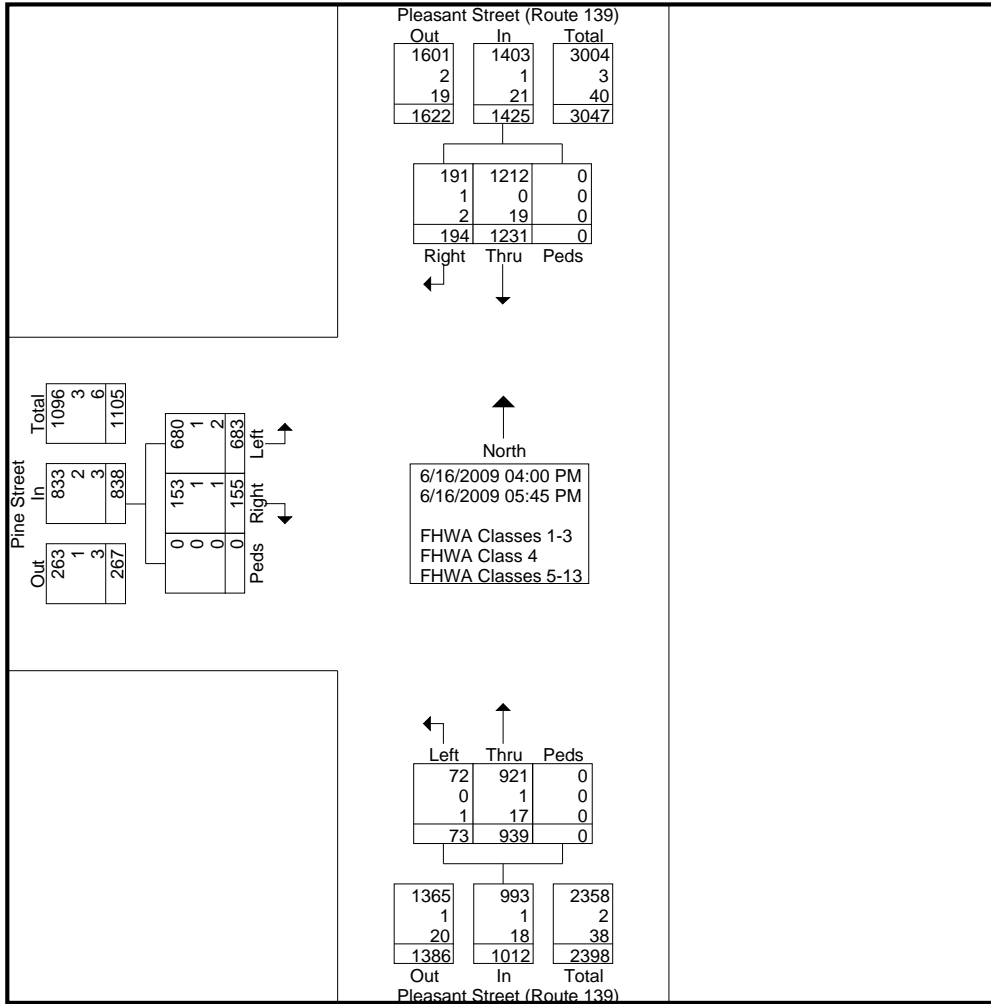
Start Time	Pleasant Street (Route 139) Southbound				Pleasant Street (Route 139) Northbound				Pine Street Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	144	29	0	173	12	99	0	111	90	20	0	110	394
04:15 PM	145	25	0	170	4	108	0	112	65	20	0	85	367
04:30 PM	135	24	0	159	8	124	0	132	97	18	0	115	406
04:45 PM	162	21	0	183	7	98	0	105	76	12	0	88	376
Total	586	99	0	685	31	429	0	460	328	70	0	398	1543
05:00 PM	165	30	0	195	11	146	0	157	113	30	0	143	495
05:15 PM	190	26	0	216	11	119	0	130	125	22	0	147	493
05:30 PM	147	21	0	168	12	116	0	128	69	15	0	84	380
05:45 PM	143	18	0	161	8	129	0	137	48	18	0	66	364
Total	645	95	0	740	42	510	0	552	355	85	0	440	1732
Grand Total	1231	194	0	1425	73	939	0	1012	683	155	0	838	3275
Apprch %	86.4	13.6	0		7.2	92.8	0		81.5	18.5	0		
Total %	37.6	5.9	0	43.5	2.2	28.7	0	30.9	20.9	4.7	0	25.6	
FHWA Classes 1-3	1212	191	0	1403	72	921	0	993	680	153	0	833	3229
% FHWA Classes 1-3	98.5	98.5	0	98.5	98.6	98.1	0	98.1	99.6	98.7	0	99.4	98.6
FHWA Class 4	0	1	0	1	0	1	0	1	1	1	0	2	4
% FHWA Class 4	0	0.5	0	0.1	0	0.1	0	0.1	0.1	0.6	0	0.2	0.1
FHWA Classes 5-13	19	2	0	21	1	17	0	18	2	1	0	3	42
% FHWA Classes 5-13	1.5	1	0	1.5	1.4	1.8	0	1.8	0.3	0.6	0	0.4	1.3



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Community: Stoughton
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File Name : 285_Pleasant(139)&Pine_PM
 Site Code : 285
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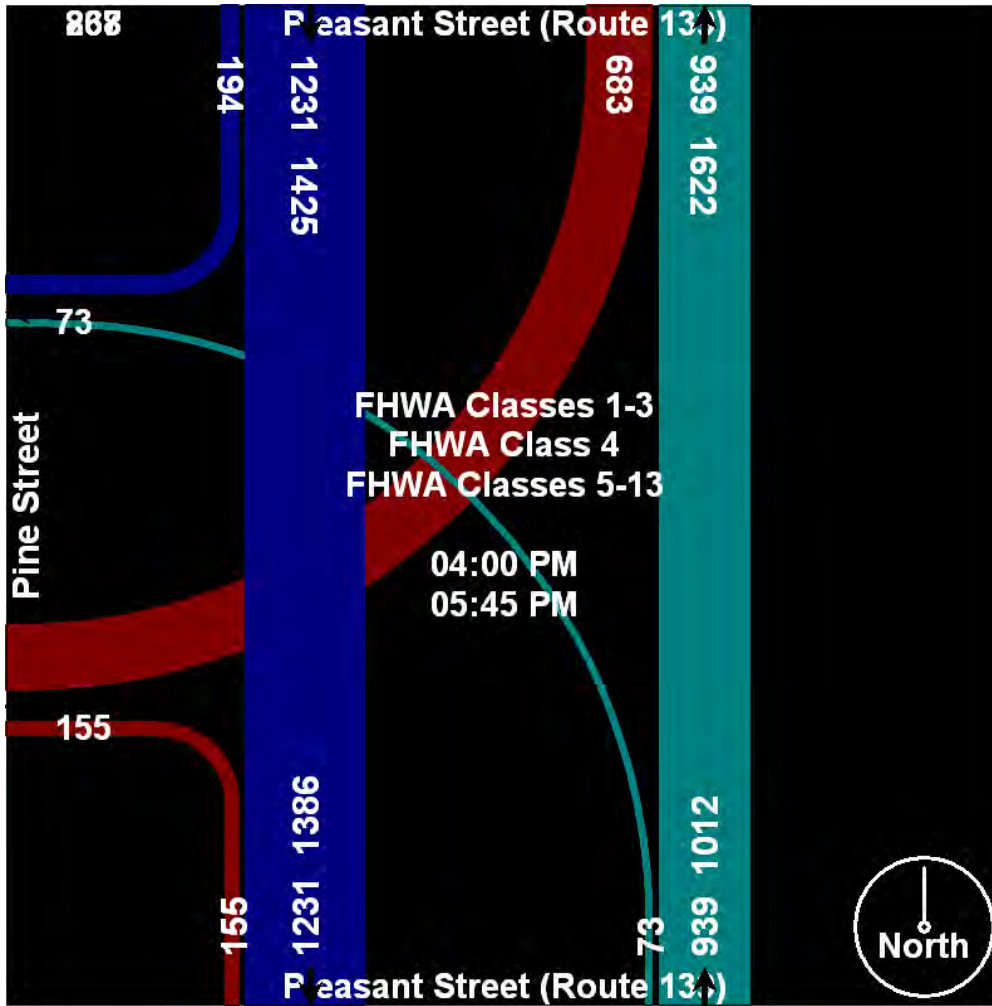




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Community: Stoughton
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 Staff: BH

File Name : 285_Pleasant(139)&Pine_PM
 Site Code : 285
 Start Date : 6/16/2009
 Page No : 3



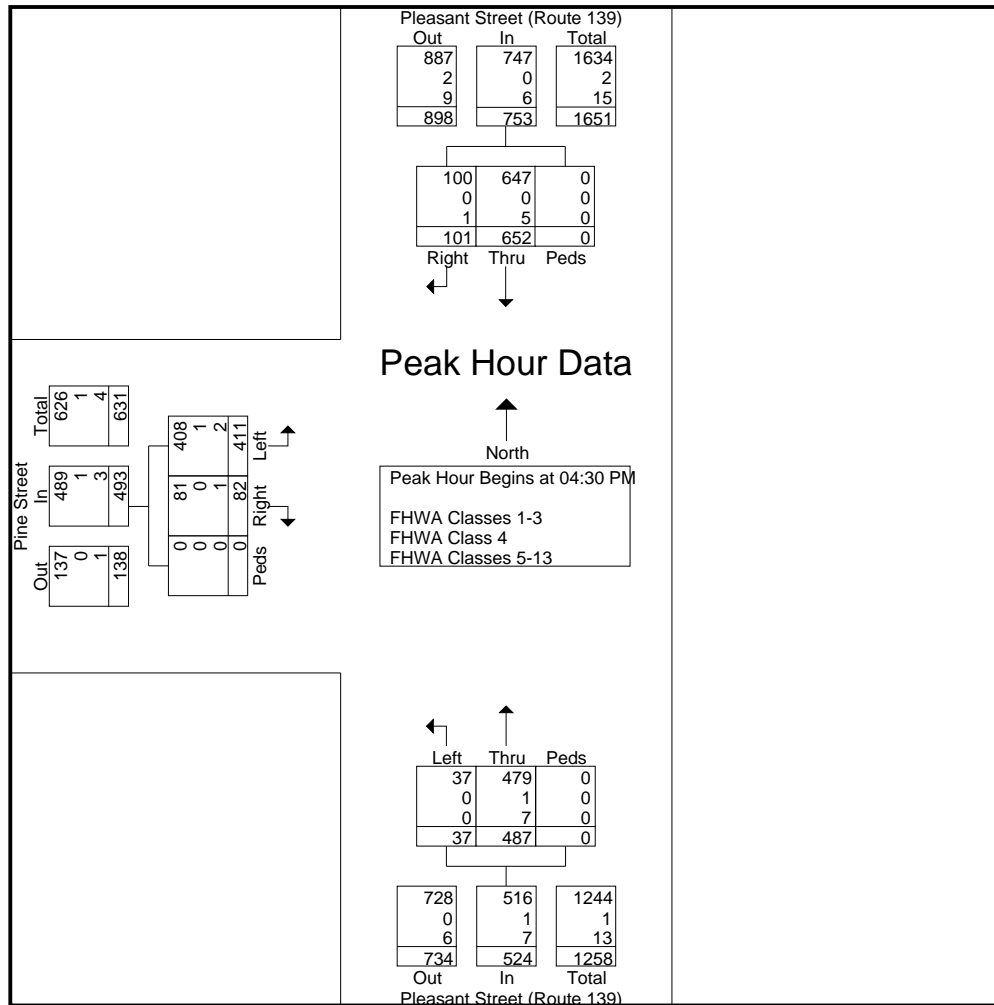


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Community: Stoughton
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File Name : 285_Pleasant(139)&Pine_PM
 Site Code : 285
 Start Date : 6/16/2009
 Page No : 4

Start Time	Pleasant Street (Route 139) Southbound				Pleasant Street (Route 139) Northbound				Pine Street Eastbound				Int. Total
	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	135	24	0	159	8	124	0	132	97	18	0	115	406
04:45 PM	162	21	0	183	7	98	0	105	76	12	0	88	376
05:00 PM	165	30	0	195	11	146	0	157	113	30	0	143	495
05:15 PM	190	26	0	216	11	119	0	130	125	22	0	147	493
Total Volume	652	101	0	753	37	487	0	524	411	82	0	493	1770
% App. Total	86.6	13.4	0		7.1	92.9	0		83.4	16.6	0		
PHF	.858	.842	.000	.872	.841	.834	.000	.834	.822	.683	.000	.838	.894
FHWA Classes 1-3	647	100	0	747	37	479	0	516	408	81	0	489	1752
% FHWA Classes 1-3	99.2	99.0	0	99.2	100	98.4	0	98.5	99.3	98.8	0	99.2	99.0
FHWA Class 4	0	0	0	0	0	1	0	1	1	0	0	1	2
% FHWA Class 4	0	0	0	0	0	0.2	0	0.2	0.2	0	0	0.2	0.1
FHWA Classes 5-13	5	1	0	6	0	7	0	7	2	1	0	3	16
% FHWA Classes 5-13	0.8	1.0	0	0.8	0	1.4	0	1.3	0.5	1.2	0	0.6	0.9

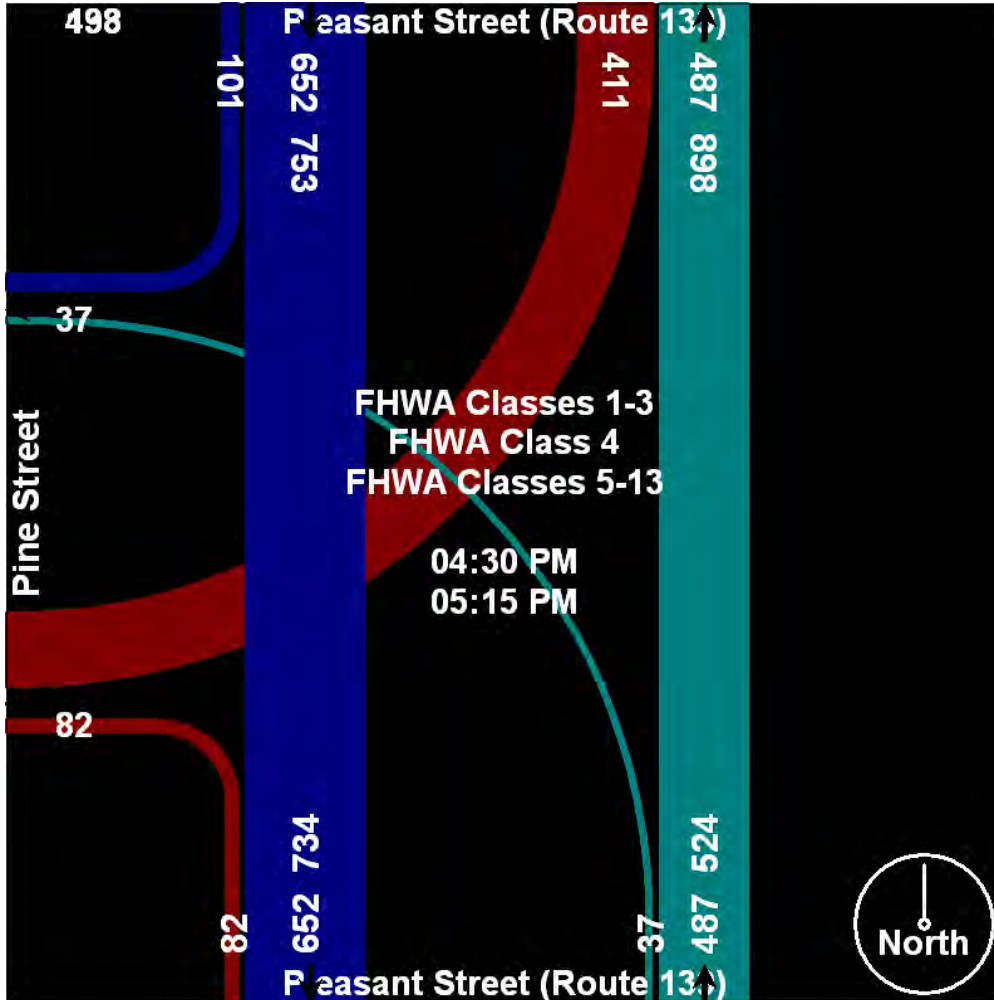




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 285_Pleasant(139)&Pine_PM
 Site Code : 285
 Start Date : 6/16/2009
 Page No : 5



HCM Unsignalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Pine Street

2009 AM Peak Hour LOS



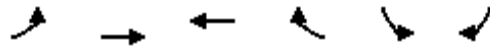
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	52	586	393	236	193	193
Peak Hour Factor	0.90	0.90	0.98	0.98	0.59	0.59
Hourly flow rate (vph)	58	651	401	241	327	327
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	401				1288	521
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	401				1288	521
tC, single (s)	4.2				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.3				3.5	3.3
p0 queue free %	95				0	41
cM capacity (veh/h)	1136				173	557

Direction, Lane #	EB 1	WB 1	SB 1	SB 2
Volume Total	709	642	327	327
Volume Left	58	0	327	0
Volume Right	0	241	0	327
cSH	1136	1700	173	557
Volume to Capacity	0.05	0.38	1.90	0.59
Queue Length 95th (ft)	4	0	609	94
Control Delay (s)	1.3	0.0	469.2	20.2
Lane LOS	A		F	C
Approach Delay (s)	1.3	0.0	244.7	
Approach LOS			F	

Intersection Summary			
Average Delay		80.3	
Intersection Capacity Utilization	89.5%		ICU Level of Service E
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Pine Street

2009 PM Peak Hour LOS



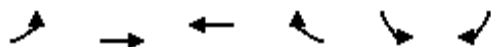
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	37	487	652	101	411	82
Peak Hour Factor	0.83	0.83	0.87	0.87	0.84	0.84
Hourly flow rate (vph)	45	587	749	116	489	98
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	749				1483	807
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	749				1483	807
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	95				0	74
cM capacity (veh/h)	860				131	383

Direction, Lane #	EB 1	WB 1	SB 1	SB 2
Volume Total	631	866	489	98
Volume Left	45	0	489	0
Volume Right	0	116	0	98
cSH	860	1700	131	383
Volume to Capacity	0.05	0.51	3.73	0.26
Queue Length 95th (ft)	4	0	Err	25
Control Delay (s)	1.4	0.0	Err	17.6
Lane LOS	A		F	C
Approach Delay (s)	1.4	0.0	8338.8	
Approach LOS			F	

Intersection Summary			
Average Delay		2349.1	
Intersection Capacity Utilization		85.6%	ICU Level of Service E
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Pine Street

Forecast 2014 AM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	52	586	393	236	193	193
Peak Hour Factor	0.90	0.90	0.98	0.98	0.59	0.59
Hourly flow rate (vph)	61	684	421	253	343	343
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	421				1352	548
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	421				1352	548
tC, single (s)	4.2				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.3				3.5	3.3
p0 queue free %	95				0	36
cM capacity (veh/h)	1117				157	538

Direction, Lane #	EB 1	WB 1	SB 1	SB 2
Volume Total	744	674	343	343
Volume Left	61	0	343	0
Volume Right	0	253	0	343
cSH	1117	1700	157	538
Volume to Capacity	0.05	0.40	2.19	0.64
Queue Length 95th (ft)	4	0	698	112
Control Delay (s)	1.4	0.0	600.9	22.7
Lane LOS	A		F	C
Approach Delay (s)	1.4	0.0	311.8	
Approach LOS			F	

Intersection Summary			
Average Delay		102.2	
Intersection Capacity Utilization	93.5%		ICU Level of Service F
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Pine Street

Forecast 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	37	487	652	101	411	82
Peak Hour Factor	0.83	0.83	0.87	0.87	0.84	0.84
Hourly flow rate (vph)	47	616	787	122	514	102
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	787				1558	848
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	787				1558	848
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	94				0	72
cM capacity (veh/h)	832				118	363

Direction, Lane #	EB 1	WB 1	SB 1	SB 2
Volume Total	663	909	514	102
Volume Left	47	0	514	0
Volume Right	0	122	0	102
cSH	832	1700	118	363
Volume to Capacity	0.06	0.53	4.37	0.28
Queue Length 95th (ft)	4	0	Err	29
Control Delay (s)	1.5	0.0	Err	18.8
Lane LOS	A		F	C
Approach Delay (s)	1.5	0.0	8339.0	
Approach LOS			F	

Intersection Summary			
Average Delay		2349.2	
Intersection Capacity Utilization		89.5%	ICU Level of Service E
Analysis Period (min)		15	

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Jun-09

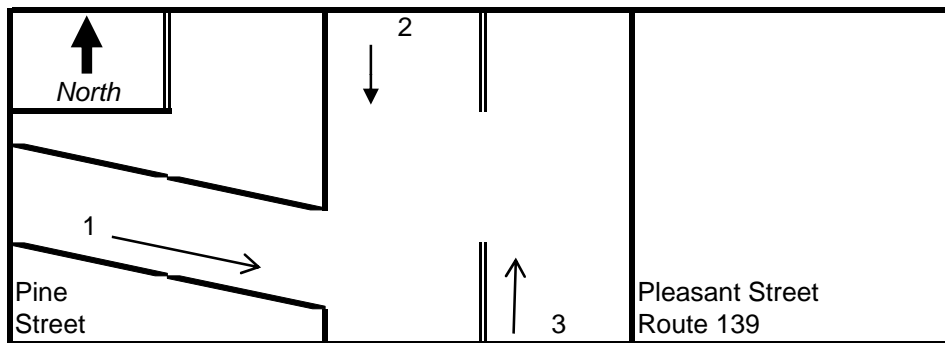
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Pleasant Street (Route 139)

MINOR STREET(S) : Pine Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	493	753	524			1,770

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

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

Signal Warrants - Summary

Major Street Approaches

Northbound: Pleasant Street (Route 139)

Number of Lanes: 1
Approach Speed: 44
Total Approach Volume: 7,253

Southbound: Pleasant Street (Route 139)

Number of Lanes: 1
Approach Speed: 43
Total Approach Volume: 8,516

Minor Street Approaches

Eastbound: Pine Street

Number of Lanes: 1

Total Approach Volume: 2,273

Westbound:

Number of Lanes: 1

Total Approach Volume: 0

Warrant Summary (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume Satisfied	
Required volumes reached for 12 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic Satisfied	
Required volumes reached for 14 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants Satisfied	
Required volumes reached for 12 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (14) volumes exceed minimum \geq minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay Not Satisfied	
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes Satisfied	
Volumes exceed minimums for at least one hour.	
Warrant 4 - Pedestrian Volumes	Not Satisfied
Required 4 Hr pedestrian volume reached for 0 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps $>$.0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (2) is less than minimum (5). Volume minimums are met.	
Warrant 8 - Roadway Network	Satisfied
Major Route conditions met. Volume requirements met.	



Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (1)
 Staff: JC

File Name : 285_Pleasant(139)&Turnpike_AM
 Site Code : 285
 Start Date : 7/23/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

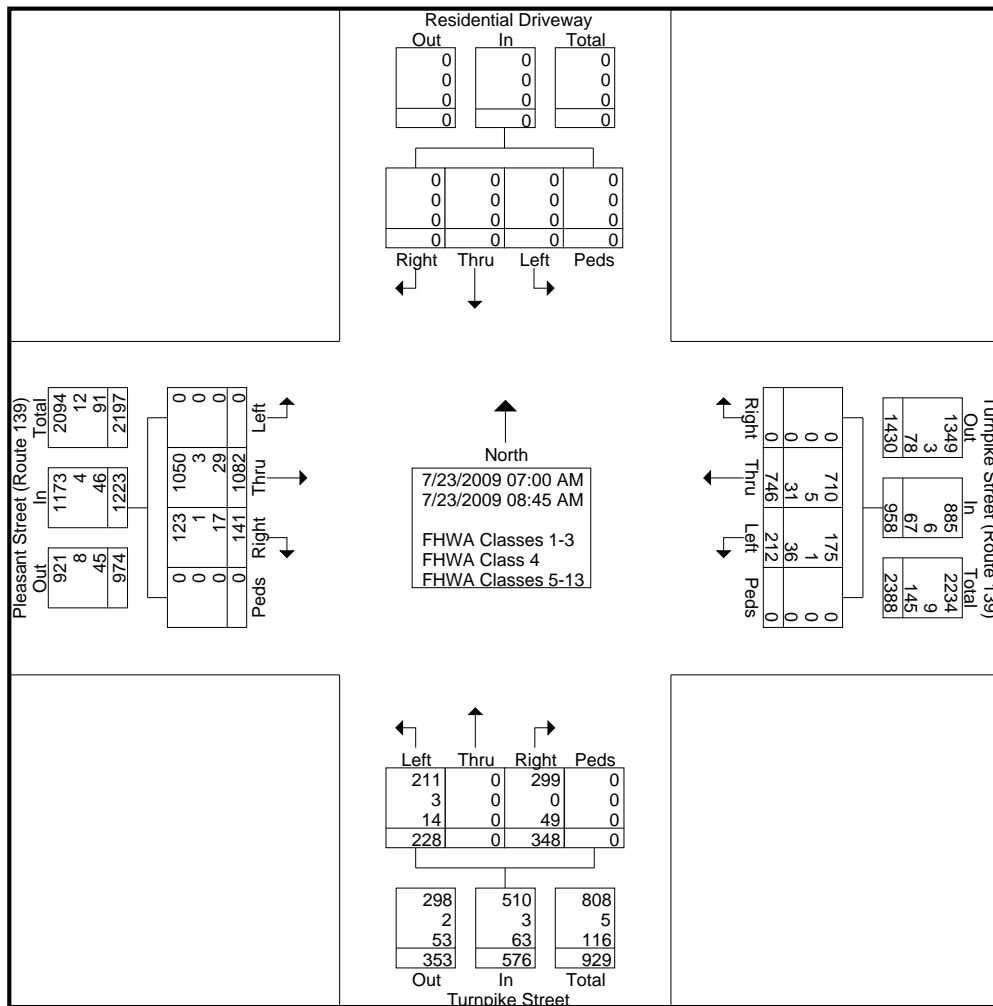
Start Time	Residential Driveway Southbound					Turnpike Street (Route 139) Westbound					Turnpike Street Northbound					Pleasant Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	9	58	0	0	67	23	0	43	0	66	0	130	17	0	147	280
07:15 AM	0	0	0	0	0	18	81	0	0	99	25	0	36	0	61	0	158	18	0	176	336
07:30 AM	0	0	0	0	0	26	89	0	0	115	37	0	46	0	83	0	161	15	0	176	374
07:45 AM	0	0	0	0	0	44	116	0	0	160	30	0	55	0	85	0	126	18	0	144	389
Total	0	0	0	0	0	97	344	0	0	441	115	0	180	0	295	0	575	68	0	643	1379
08:00 AM	0	0	0	0	0	25	101	0	0	126	24	0	36	0	60	0	138	15	0	153	339
08:15 AM	0	0	0	0	0	18	105	0	0	123	27	0	47	0	74	0	133	20	0	153	350
08:30 AM	0	0	0	0	0	37	93	0	0	130	26	0	48	0	74	0	129	12	0	141	345
08:45 AM	0	0	0	0	0	35	103	0	0	138	36	0	37	0	73	0	107	26	0	133	344
Total	0	0	0	0	0	115	402	0	0	517	113	0	168	0	281	0	507	73	0	580	1378
Grand Total	0	0	0	0	0	212	746	0	0	958	228	0	348	0	576	0	1082	141	0	1223	2757
Apprch %	0	0	0	0		22.1	77.9	0	0		39.6	0	60.4	0		0	88.5	11.5	0		
Total %	0	0	0	0		7.7	27.1	0	0	34.7	8.3	0	12.6	0	20.9	0	39.2	5.1	0	44.4	
FHWA Classes 1-3	0	0	0	0	0	175	710	0	0	885	211	0	299	0	510	0	1050	123	0	1173	2568
% FHWA Classes 1-3	0	0	0	0	0	82.5	95.2	0	0	92.4	92.5	0	85.9	0	88.5	0	97	87.2	0	95.9	93.1
FHWA Class 4	0	0	0	0	0	1	5	0	0	6	3	0	0	0	3	0	3	1	0	4	13
% FHWA Class 4	0	0	0	0	0	0.5	0.7	0	0	0.6	1.3	0	0	0	0.5	0	0.3	0.7	0	0.3	0.5
FHWA Classes 5-13	0	0	0	0	0	36	31	0	0	67	14	0	49	0	63	0	29	17	0	46	176
% FHWA Classes 5-13	0	0	0	0	0	17	4.2	0	0	7	6.1	0	14.1	0	10.9	0	2.7	12.1	0	3.8	6.4



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

Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (1)
 Staff: JC

File Name : 285_Pleasant(139)&Turnpike_AM
 Site Code : 285
 Start Date : 7/23/2009
 Page No : 2

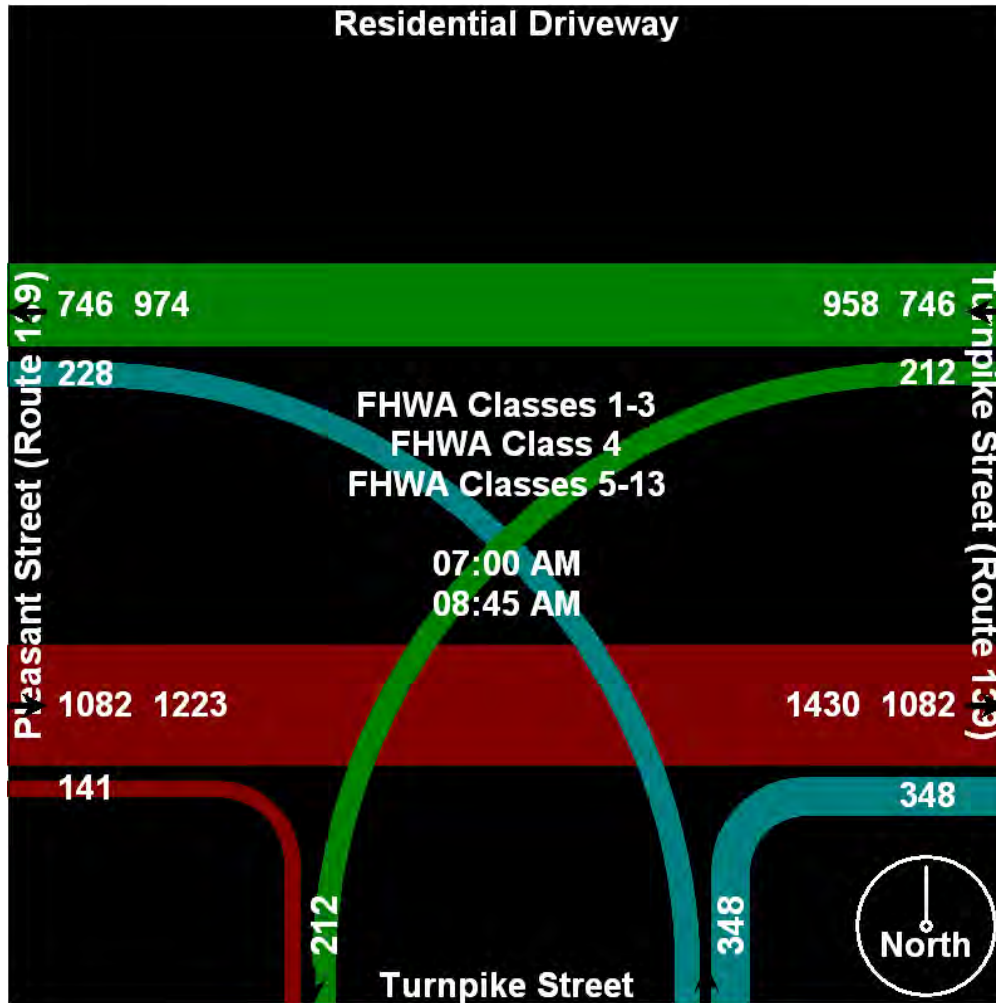




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File Name : 285_Pleasant(139)&Turnpike_AM
Site Code : 285
Start Date : 7/23/2009
Page No : 3



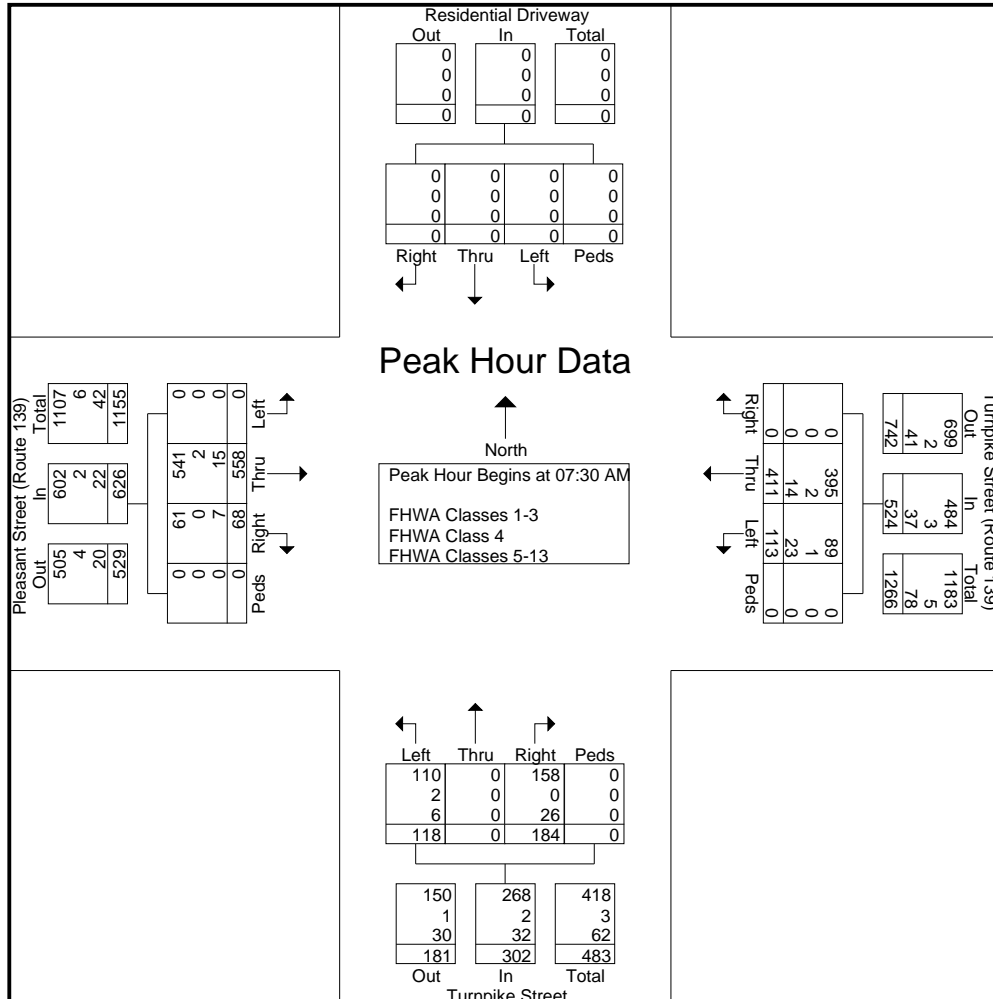


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Community: Stoughton
 Weather: Clear
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 Staff: JC

File Name : 285_Pleasant(139)&Turnpike_AM
 Site Code : 285
 Start Date : 7/23/2009
 Page No : 4

Start Time	Residential Driveway Southbound					Turnpike Street (Route 139) Westbound					Turnpike Street Northbound					Pleasant Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	0	0	0	26	89	0	0	115	37	0	46	0	83	0	161	15	0	176	374
07:45 AM	0	0	0	0	0	44	116	0	0	160	30	0	55	0	85	0	126	18	0	144	389
08:00 AM	0	0	0	0	0	25	101	0	0	126	24	0	36	0	60	0	138	15	0	153	339
08:15 AM	0	0	0	0	0	18	105	0	0	123	27	0	47	0	74	0	133	20	0	153	350
Total Volume	0	0	0	0	0	113	411	0	0	524	118	0	184	0	302	0	558	68	0	626	1452
% App. Total	0	0	0	0	0	21.6	78.4	0	0	0	39.1	0	60.9	0	0	0	89.1	10.9	0	0	0
PHF	.000	.000	.000	.000	.000	.642	.886	.000	.000	.819	.797	.000	.836	.000	.888	.000	.866	.850	.000	.889	.933
FHWA Classes 1-3	0	0	0	0	0	89	395	0	0	484	110	0	158	0	268	0	541	61	0	602	1354
% FHWA Classes 1-3	0	0	0	0	0	78.8	96.1	0	0	92.4	93.2	0	85.9	0	88.7	0	97.0	89.7	0	96.2	93.3
FHWA Class 4	0	0	0	0	0	1	2	0	0	3	2	0	0	0	2	0	2	0	0	2	7
% FHWA Class 4	0	0	0	0	0	0.9	0.5	0	0	0.6	1.7	0	0	0	0.7	0	0.4	0	0	0.3	0.5
FHWA Classes 5-13	0	0	0	0	0	23	14	0	0	37	6	0	26	0	32	0	15	7	0	22	91
% FHWA Classes 5-13	0	0	0	0	0	20.4	3.4	0	0	7.1	5.1	0	14.1	0	10.6	0	2.7	10.3	0	3.5	6.3

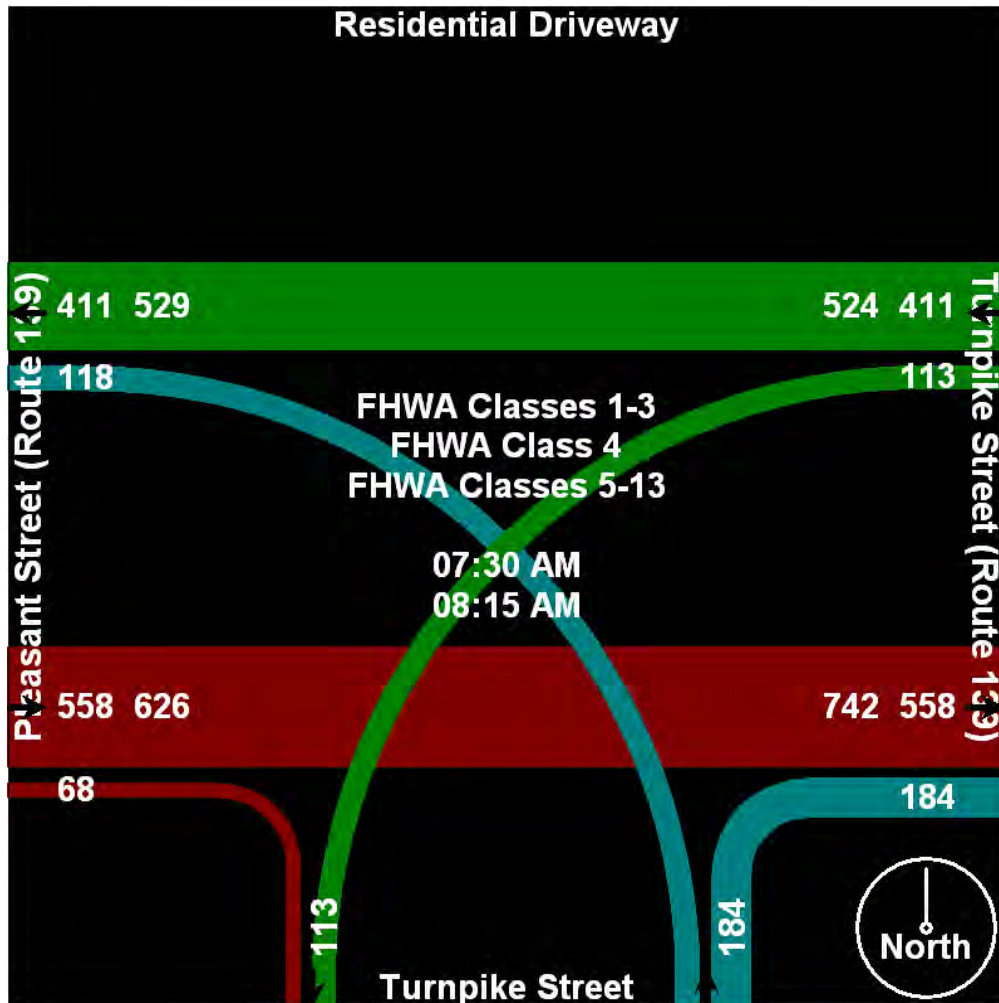




Old Colony Planning Council
70 School Street
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Community: Stoughton
Weather: Clear
Board #: TDC-8 (1)
Staff: JC

File Name : 285_Pleasant(139)&Turnpike_AM
Site Code : 285
Start Date : 7/23/2009
Page No : 5



Transportation Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Turnpike Street/Pleasant Street
 E: Turnpike Street
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885B
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Start Time	Groups Printed- Cars - Trucks						Int. Total
	Turnpike Street (Route 139) From North		Turnpike Street From East		Pleasant Street (Route 139) From South		
	Thru	Left	Right	Left	Right	Thru	
04:00 PM	159	33	47	21	32	144	436
04:15 PM	168	62	33	14	33	139	449
04:30 PM	165	49	54	19	48	126	461
04:45 PM	153	53	36	19	41	128	430
Total	645	197	170	73	154	537	1776
05:00 PM	163	60	61	18	36	119	457
05:15 PM	178	46	54	13	42	134	467
05:30 PM	163	37	53	12	36	137	438
05:45 PM	140	36	48	12	38	122	396
Total	644	179	216	55	152	512	1758
06:00 PM	146	35	34	23	19	95	352
06:15 PM	114	40	35	14	16	130	349
06:30 PM	134	23	22	17	23	89	308
06:45 PM	129	22	28	11	13	87	290
Total	523	120	119	65	71	401	1299
Grand Total	1812	496	505	193	377	1450	4833
Approch %	78.5	21.5	72.3	27.7	20.6	79.4	
Total %	37.5	10.3	10.4	4	7.8	30	
Cars	1789	479	499	193	372	1425	4757
% Cars	98.7	96.6	98.8	100	98.7	98.3	98.4
Trucks	23	17	6	0	5	25	76
% Trucks	1.3	3.4	1.2	0	1.3	1.7	1.6

Start Time	Turnpike Street (Route 139) From North			Turnpike Street From East			Pleasant Street (Route 139) From South			Int. Total
	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	165	49	214	54	19	73	48	126	174	461
04:45 PM	153	53	206	36	19	55	41	128	169	430
05:00 PM	163	60	223	61	18	79	36	119	155	457
05:15 PM	178	46	224	54	13	67	42	134	176	467
Total Volume	659	208	867	205	69	274	167	507	674	1815
% App. Total	76	24		74.8	25.2		24.8	75.2		
PHF	.926	.867	.968	.840	.908	.867	.870	.946	.957	.972
Cars	646	200	846	202	69	271	163	498	661	1778
% Cars	98.0	96.2	97.6	98.5	100	98.9	97.6	98.2	98.1	98.0
Trucks	13	8	21	3	0	3	4	9	13	37
% Trucks	2.0	3.8	2.4	1.5	0	1.1	2.4	1.8	1.9	2.0

Transportation Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Turnpike Street/Pleasant Street
 E: Turnpike Street
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885B
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Groups Printed- Trucks

Start Time	Turnpike Street (Route 139) From North		Turnpike Street From East		Pleasant Street (Route 139) From South			Int. Total
	Thru	Left	Right	Left	Right	Thru		
04:00 PM	0	1	1	0	0	1	3	
04:15 PM	3	4	0	0	1	4	12	
04:30 PM	2	3	2	0	1	2	10	
04:45 PM	4	3	0	0	1	0	8	
Total	9	11	3	0	3	7	33	
05:00 PM	3	1	1	0	1	4	10	
05:15 PM	4	1	0	0	1	3	9	
05:30 PM	1	0	1	0	0	3	5	
05:45 PM	3	2	1	0	0	2	8	
Total	11	4	3	0	2	12	32	
06:00 PM	2	2	0	0	0	0	4	
06:15 PM	0	0	0	0	0	0	0	
06:30 PM	1	0	0	0	0	5	6	
06:45 PM	0	0	0	0	0	1	1	
Total	3	2	0	0	0	6	11	
Grand Total	23	17	6	0	5	25	76	
Apprch %	57.5	42.5	100	0	16.7	83.3		
Total %	30.3	22.4	7.9	0	6.6	32.9		

Start Time	Turnpike Street (Route 139) From North			Turnpike Street From East			Pleasant Street (Route 139) From South			Int. Total
	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:15 PM										
04:15 PM	3	4	7	0	0	0	1	4	5	12
04:30 PM	2	3	5	2	0	2	1	2	3	10
04:45 PM	4	3	7	0	0	0	1	0	1	8
05:00 PM	3	1	4	1	0	1	1	4	5	10
Total Volume	12	11	23	3	0	3	4	10	14	40
% App. Total	52.2	47.8		100	0		28.6	71.4		
PIHF	.750	.688	.821	.375	.000	.375	1.000	.625	.700	.833

Transportation Data Corporation

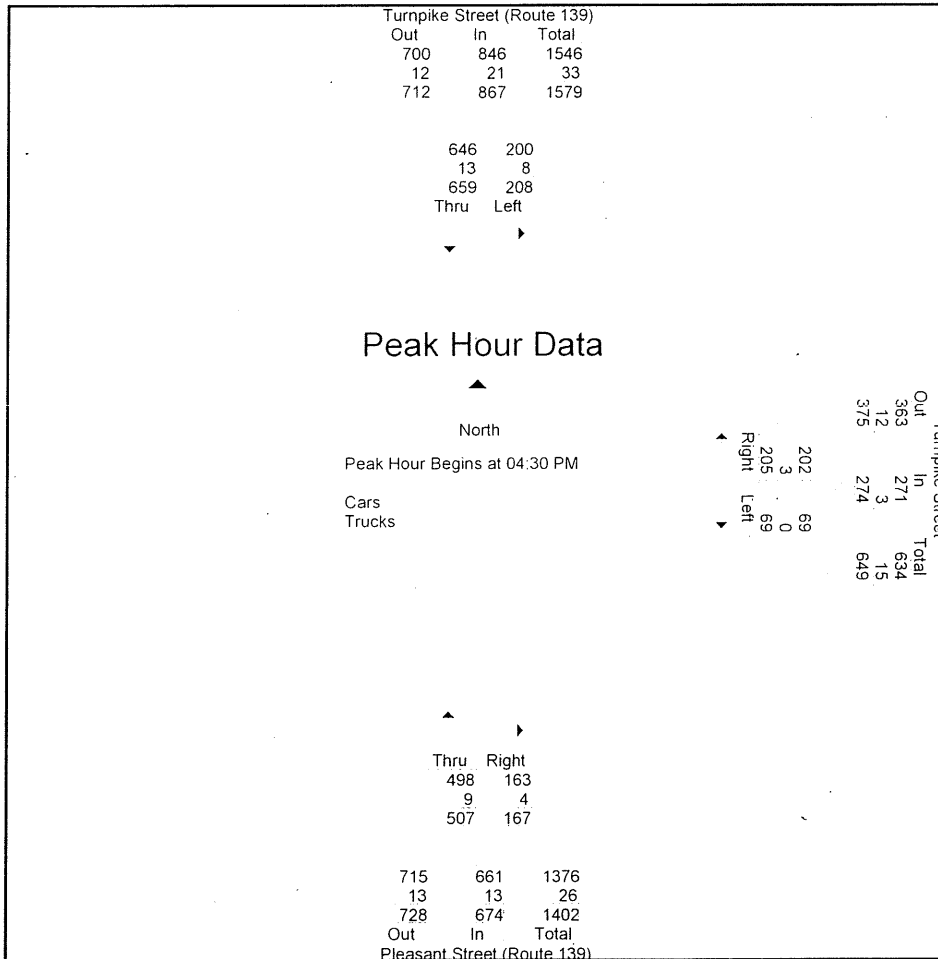
Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Turnpike Street/Pleasant Street
 E: Turnpike Street
 City/State: Stoughton, MA
 Client: C&C/J. Morgan





















File Name : 03885B
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Start Time	Turnpike Street (Route 139) From North			Turnpike Street From East			Pleasant Street (Route 139) From South			Int. Total
	Thru	Left	App. Total	Right	Left	App. Total	Right	Thru	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1										
Peak Hour for Entire Intersection Begins at 04:30 PM										
04:30 PM	165	49	214	54	19	73	48	126	174	461
04:45 PM	153	53	206	36	19	55	41	128	169	430
05:00 PM	163	60	223	61	18	79	36	119	155	457
05:15 PM	178	46	224	54	13	67	42	134	176	467
Total Volume	659	208	867	205	69	274	167	507	674	1815
% App. Total	76	24		74.8	25.2		24.8	75.2		
PIIF	.926	.867	.968	.840	.908	.867	.870	.946	.957	.972
Cars	646	200	846	202	69	271	163	498	661	1778
% Cars	98.0	96.2	97.6	98.5	100	98.9	97.6	98.2	98.1	98.0
Trucks	13	8	21	3	0	3	4	9	13	37
% Trucks	2.0	3.8	2.4	1.5	0	1.1	2.4	1.8	1.9	2.0



HCM Signalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Turnpike Street





















2009 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Lane Util. Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Frt		1.00	0.85	1.00	1.00			1.00	0.85			
Flt Protected		1.00	1.00	0.95	1.00			0.95	1.00			
Satd. Flow (prot)		1827	1553	1671	1759			1626	1455			
Flt Permitted		1.00	1.00	0.15	1.00			0.76	1.00			
Satd. Flow (perm)		1827	1553	272	1759			1296	1455			
Volume (vph)	0	558	68	113	411	0	118	0	184	0	0	0
Peak-hour factor, PHF	0.89	0.89	0.89	0.82	0.82	0.82	0.89	0.89	0.89	0.92	0.92	0.92
Adj. Flow (vph)	0	627	76	138	501	0	133	0	207	0	0	0
RTOR Reduction (vph)	0	0	45	0	0	0	0	0	140	0	0	0
Lane Group Flow (vph)	0	627	31	138	501	0	0	133	67	0	0	0
Heavy Vehicles (%)	4%	4%	4%	8%	8%	8%	11%	11%	11%	0%	0%	0%
Turn Type	Perm		Perm	pm+pt			Perm		Perm	Perm	Perm	
Protected Phases		4		3	8			2				6
Permitted Phases	4		4	8			2		2	6		
Actuated Green, G (s)		21.9	21.9	28.9	28.9			17.6	17.6			
Effective Green, g (s)		21.9	21.9	28.9	28.9			17.6	17.6			
Actuated g/C Ratio		0.40	0.40	0.53	0.53			0.32	0.32			
Clearance Time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Vehicle Extension (s)		3.0	3.0	3.0	3.0			3.0	3.0			
Lane Grp Cap (vph)		734	624	221	933			419	470			
v/s Ratio Prot		c0.34		0.03	c0.28							
v/s Ratio Perm			0.02	0.30				c0.10	0.05			
v/c Ratio		0.85	0.05	0.62	0.54			0.32	0.14			
Uniform Delay, d1		14.8	9.9	9.9	8.4			13.9	13.1			
Progression Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Incremental Delay, d2		9.5	0.0	5.4	0.6			2.0	0.6			
Delay (s)		24.4	10.0	15.3	9.0			15.9	13.7			
Level of Service		C	A	B	A			B	B			
Approach Delay (s)		22.8			10.4			14.6			0.0	
Approach LOS		C			B			B			A	
Intersection Summary												
HCM Average Control Delay			16.4			HCM Level of Service				B		
HCM Volume to Capacity ratio			0.63									
Actuated Cycle Length (s)			54.5			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			67.5%			ICU Level of Service				C		
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Turnpike Street

2009 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Lane Util. Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Frt		1.00	0.85	1.00	1.00			1.00	0.85			
Flt Protected		1.00	1.00	0.95	1.00			0.95	1.00			
Satd. Flow (prot)		1863	1583	1770	1863			1787	1599			
Flt Permitted		1.00	1.00	0.17	1.00			0.76	1.00			
Satd. Flow (perm)		1863	1583	324	1863			1424	1599			
Volume (vph)	0	507	167	208	659	0	59	0	205	0	0	0
Peak-hour factor, PHF	0.96	0.96	0.96	0.97	0.97	0.97	0.87	0.87	0.87	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	100%	100%	100%
Adj. Flow (vph)	0	539	177	219	693	0	69	0	240	0	0	0
RTOR Reduction (vph)	0	0	113	0	0	0	0	0	163	0	0	0
Lane Group Flow (vph)	0	539	64	219	693	0	0	69	77	0	0	0
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	1%	1%	1%	0%	0%	0%
Turn Type	Perm		Perm	pm+pt			Perm		Perm	Perm		
Protected Phases		4		3	8			2				6
Permitted Phases	4		4	8			2		2	6		
Actuated Green, G (s)		19.8	19.8	29.0	29.0			17.6	17.6			
Effective Green, g (s)		19.8	19.8	29.0	29.0			17.6	17.6			
Actuated g/C Ratio		0.36	0.36	0.53	0.53			0.32	0.32			
Clearance Time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Vehicle Extension (s)		3.0	3.0	3.0	3.0			3.0	3.0			
Lane Grp Cap (vph)		676	574	310	990			459	515			
v/s Ratio Prot		c0.29		0.07	c0.37							
v/s Ratio Perm			0.04	0.31				c0.05	0.05			
v/c Ratio		0.80	0.11	0.71	0.70			0.15	0.15			
Uniform Delay, d1		15.6	11.6	9.6	9.6			13.2	13.2			
Progression Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Incremental Delay, d2		6.5	0.1	7.2	2.3			0.7	0.6			
Delay (s)		22.1	11.6	16.7	11.8			13.9	13.8			
Level of Service		C	B	B	B			B	B			
Approach Delay (s)		19.5			13.0			13.8			0.0	
Approach LOS		B			B			B			A	
Intersection Summary												
HCM Average Control Delay			15.5			HCM Level of Service				B		
HCM Volume to Capacity ratio			0.54									
Actuated Cycle Length (s)			54.6			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			75.9%			ICU Level of Service				D		
Analysis Period (min)			15									
c Critical Lane Group												





















HCM Signalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Turnpike Street

Forecast 2014 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Lane Util. Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Frt		1.00	0.85	1.00	1.00			1.00	0.85			
Flt Protected		1.00	1.00	0.95	1.00			0.95	1.00			
Satd. Flow (prot)		1827	1553	1671	1759			1626	1455			
Flt Permitted		1.00	1.00	0.15	1.00			0.76	1.00			
Satd. Flow (perm)		1827	1553	263	1759			1296	1455			
Volume (vph)	0	558	68	113	411	0	118	0	184	0	0	0
Peak-hour factor, PHF	0.89	0.89	0.89	0.82	0.82	0.82	0.89	0.89	0.89	0.92	0.92	0.92
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	0	658	80	145	526	0	139	0	217	0	0	0
RTOR Reduction (vph)	0	0	47	0	0	0	0	0	148	0	0	0
Lane Group Flow (vph)	0	658	33	145	526	0	0	139	69	0	0	0
Heavy Vehicles (%)	4%	4%	4%	8%	8%	8%	11%	11%	11%	0%	0%	0%
Turn Type	Perm		Perm	pm+pt			Perm		Perm	Perm	Perm	
Protected Phases		4		3	8			2				6
Permitted Phases	4		4	8			2		2	6		
Actuated Green, G (s)		22.8	22.8	29.8	29.8			17.6	17.6			
Effective Green, g (s)		22.8	22.8	29.8	29.8			17.6	17.6			
Actuated g/C Ratio		0.41	0.41	0.54	0.54			0.32	0.32			
Clearance Time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Vehicle Extension (s)		3.0	3.0	3.0	3.0			3.0	3.0			
Lane Grp Cap (vph)		752	639	218	946			412	462			
v/s Ratio Prot		c0.36		0.04	c0.30							
v/s Ratio Perm			0.02	0.32				c0.11	0.05			
v/c Ratio		0.88	0.05	0.67	0.56			0.34	0.15			
Uniform Delay, d1		15.0	9.8	10.3	8.4			14.4	13.5			
Progression Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Incremental Delay, d2		11.1	0.0	7.4	0.7			2.2	0.7			
Delay (s)		26.1	9.8	17.7	9.2			16.7	14.2			
Level of Service		C	A	B	A			B	B			
Approach Delay (s)		24.3			11.0			15.2			0.0	
Approach LOS		C			B			B			A	
Intersection Summary												
HCM Average Control Delay			17.4			HCM Level of Service				B		
HCM Volume to Capacity ratio			0.65									
Actuated Cycle Length (s)			55.4			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			70.4%			ICU Level of Service				C		
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 3: Pleasant Street (Route 139) & Turnpike Street

Forecast 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Lane Util. Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Frt		1.00	0.85	1.00	1.00			1.00	0.85			
Flt Protected		1.00	1.00	0.95	1.00			0.95	1.00			
Satd. Flow (prot)		1863	1583	1770	1863			1787	1599			
Flt Permitted		1.00	1.00	0.16	1.00			0.76	1.00			
Satd. Flow (perm)		1863	1583	302	1863			1424	1599			
Volume (vph)	0	507	167	208	659	0	59	0	205	0	0	0
Peak-hour factor, PHF	0.96	0.96	0.96	0.97	0.97	0.97	0.87	0.87	0.87	0.92	0.92	0.92
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	0	565	186	229	727	0	73	0	252	0	0	0
RTOR Reduction (vph)	0	0	118	0	0	0	0	0	176	0	0	0
Lane Group Flow (vph)	0	565	68	229	727	0	0	73	76	0	0	0
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	1%	1%	1%	0%	0%	0%
Turn Type	Perm		Perm	pm+pt			Perm		Perm	Perm		
Protected Phases		4		3	8			2				6
Permitted Phases	4		4	8			2		2	6		
Actuated Green, G (s)		20.7	20.7	31.6	31.6			17.1	17.1			
Effective Green, g (s)		20.7	20.7	31.6	31.6			17.1	17.1			
Actuated g/C Ratio		0.37	0.37	0.56	0.56			0.30	0.30			
Clearance Time (s)		4.0	4.0	4.0	4.0			4.0	4.0			
Vehicle Extension (s)		3.0	3.0	3.0	3.0			3.0	3.0			
Lane Grp Cap (vph)		680	578	347	1038			429	482			
v/s Ratio Prot		c0.30		0.08	c0.39							
v/s Ratio Perm			0.04	0.29				c0.05	0.05			
v/c Ratio		0.83	0.12	0.66	0.70			0.17	0.16			
Uniform Delay, d1		16.4	11.9	9.6	9.1			14.6	14.5			
Progression Factor		1.00	1.00	1.00	1.00			1.00	1.00			
Incremental Delay, d2		8.5	0.1	4.5	2.2			0.9	0.7			
Delay (s)		24.9	12.0	14.1	11.3			15.4	15.2			
Level of Service		C	B	B	B			B	B			
Approach Delay (s)		21.7			11.9			15.3			0.0	
Approach LOS		C			B			B			A	
Intersection Summary												
HCM Average Control Delay			16.1			HCM Level of Service				B		
HCM Volume to Capacity ratio			0.58									
Actuated Cycle Length (s)			56.7			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			79.2%			ICU Level of Service				D		
Analysis Period (min)			15									
c Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Dec-08

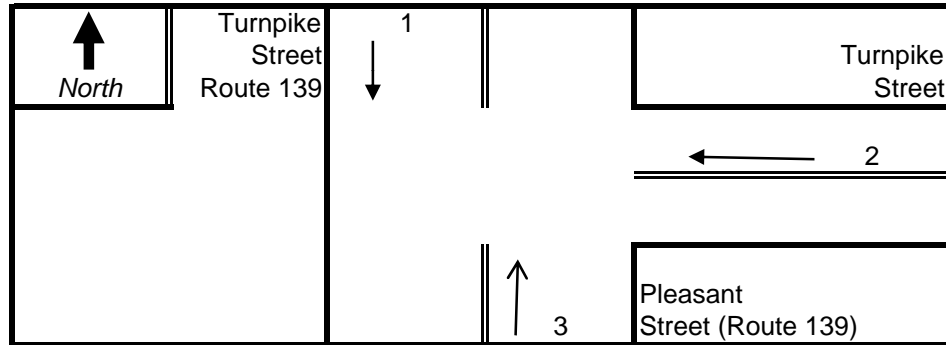
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Pleasant Street (Route 139)

MINOR STREET(S) : Turnpike Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	SB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	876	277	681			1,833

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

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

CRASH RATE CALCULATION :

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

Comments : Volumes adjusted to estimated 2009 figures

Project Title & Date: _____



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

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (6)
 Staff: KW

File Name : 285_Turnpike(139)&Page_AM
 Site Code : 285
 Start Date : 8/27/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

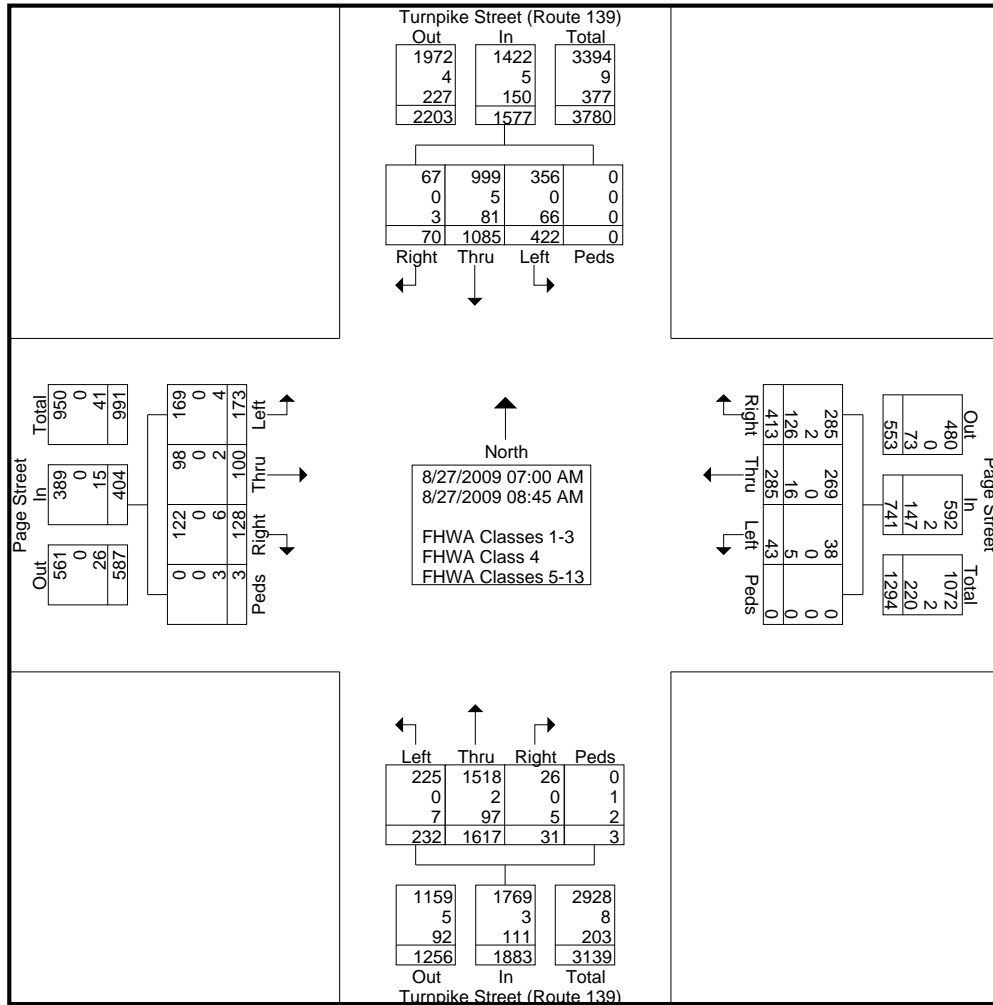
Start Time	Turnpike Street (Route 139) Southbound					Page Street Westbound					Turnpike Street (Route 139) Northbound					Page Street Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	42	117	5	0	164	4	22	40	0	66	18	153	3	0	174	14	10	7	0	31	435
07:15 AM	50	109	11	0	170	4	38	67	0	109	23	216	3	0	242	9	7	16	0	32	553
07:30 AM	36	130	2	0	168	3	42	65	0	110	16	216	1	0	233	24	15	19	1	59	570
07:45 AM	53	137	14	0	204	9	44	42	0	95	37	209	5	3	254	23	18	16	0	57	610
Total	181	493	32	0	706	20	146	214	0	380	94	794	12	3	903	70	50	58	1	179	2168
08:00 AM	58	145	9	0	212	6	41	34	0	81	45	212	4	0	261	24	18	22	0	64	618
08:15 AM	69	156	12	0	237	6	35	52	0	93	25	204	2	0	231	31	7	18	0	56	617
08:30 AM	45	160	12	0	217	7	36	59	0	102	33	217	9	0	259	21	11	17	1	50	628
08:45 AM	69	131	5	0	205	4	27	54	0	85	35	190	4	0	229	27	14	13	1	55	574
Total	241	592	38	0	871	23	139	199	0	361	138	823	19	0	980	103	50	70	2	225	2437
Grand Total	422	1085	70	0	1577	43	285	413	0	741	232	1617	31	3	1883	173	100	128	3	404	4605
Apprch %	26.8	68.8	4.4	0		5.8	38.5	55.7	0		12.3	85.9	1.6	0.2		42.8	24.8	31.7	0.7		
Total %	9.2	23.6	1.5	0	34.2	0.9	6.2	9	0	16.1	5	35.1	0.7	0.1	40.9	3.8	2.2	2.8	0.1	8.8	
FHWA Classes 1-3	356	999	67	0	1422	38	269	285	0	592	225	1518	26	0	1769	169	98	122	0	389	4172
% FHWA Classes 1-3	84.4	92.1	95.7	0	90.2	88.4	94.4	69	0	79.9	97	93.9	83.9	0	93.9	97.7	98	95.3	0	96.3	90.6
FHWA Class 4	0	5	0	0	5	0	0	2	0	2	0	2	0	1	3	0	0	0	0	0	10
% FHWA Class 4	0	0.5	0	0	0.3	0	0	0.5	0	0.3	0	0.1	0	33.3	0.2	0	0	0	0	0	0.2
FHWA Classes 5-13	66	81	3	0	150	5	16	126	0	147	7	97	5	2	111	4	2	6	3	15	423
% FHWA Classes 5-13	15.6	7.5	4.3	0	9.5	11.6	5.6	30.5	0	19.8	3	6	16.1	66.7	5.9	2.3	2	4.7	100	3.7	9.2



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

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (6)
 Staff: KW

File Name : 285_Turnpike(139)&Page_AM
 Site Code : 285
 Start Date : 8/27/2009
 Page No : 2

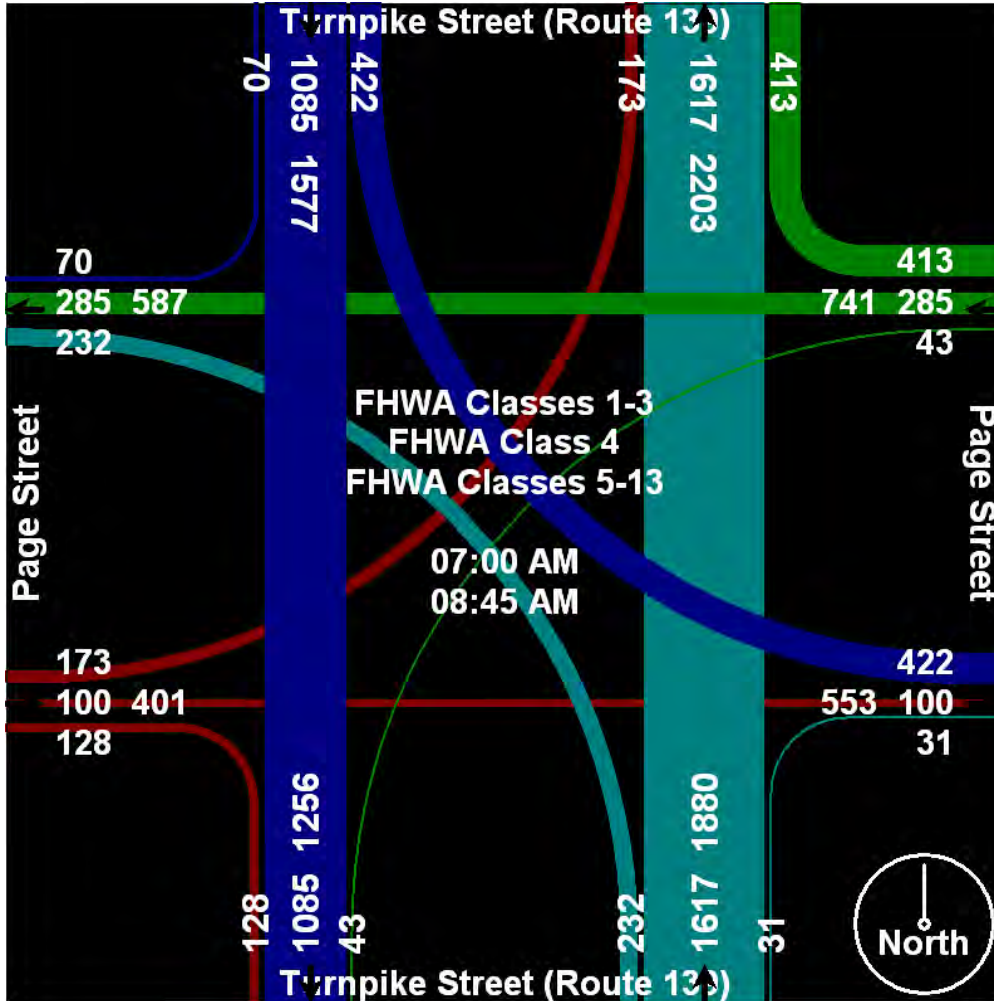




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 Page No : 3



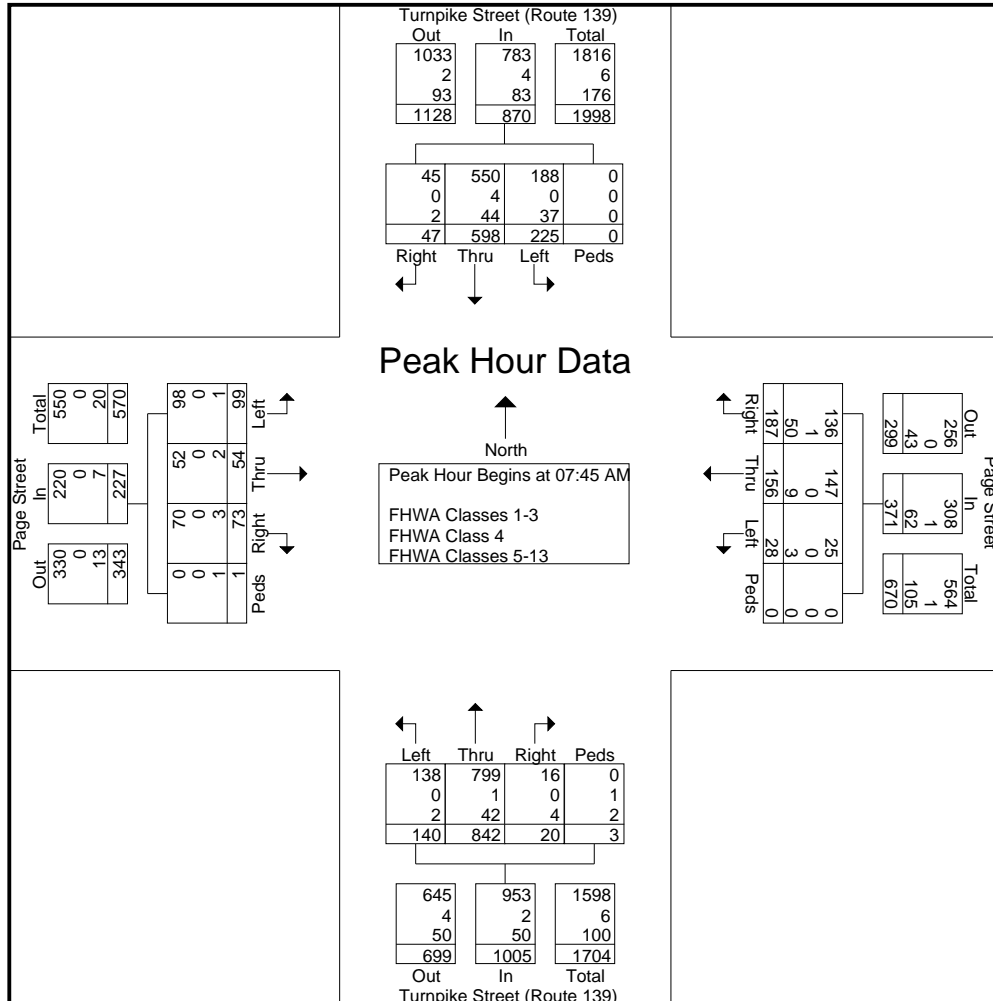


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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (6)
 Staff: KW

File Name : 285_Turnpike(139)&Page_AM
 Site Code : 285
 Start Date : 8/27/2009
 Page No : 4

Start Time	Turnpike Street (Route 139) Southbound					Page Street Westbound					Turnpike Street (Route 139) Northbound					Page Street Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	53	137	14	0	204	9	44	42	0	95	37	209	5	3	254	23	18	16	0	57	610
08:00 AM	58	145	9	0	212	6	41	34	0	81	45	212	4	0	261	24	18	22	0	64	618
08:15 AM	69	156	12	0	237	6	35	52	0	93	25	204	2	0	231	31	7	18	0	56	617
08:30 AM	45	160	12	0	217	7	36	59	0	102	33	217	9	0	259	21	11	17	1	50	628
Total Volume	225	598	47	0	870	28	156	187	0	371	140	842	20	3	1005	99	54	73	1	227	2473
% App. Total	25.9	68.7	5.4	0		7.5	42	50.4	0		13.9	83.8	2	0.3		43.6	23.8	32.2	0.4		
PHF	.815	.934	.839	.000	.918	.778	.886	.792	.000	.909	.778	.970	.556	.250	.963	.798	.750	.830	.250	.887	.984
FHWA Classes 1-3	188	550	45	0	783	25	147	136	0	308	138	799	16	0	953	98	52	70	0	220	2264
% FHWA Classes 1-3	83.6	92.0	95.7	0	90.0	89.3	94.2	72.7	0	83.0	98.6	94.9	80.0	0	94.8	99.0	96.3	95.9	0	96.9	91.5
FHWA Class 4	0	4	0	0	4	0	0	1	0	1	0	1	0	1	2	0	0	0	0	0	7
% FHWA Class 4	0	0.7	0	0	0.5	0	0	0.5	0	0.3	0	0.1	0	33.3	0.2	0	0	0	0	0	0.3
FHWA Classes 5-13	37	44	2	0	83	3	9	50	0	62	2	42	4	2	50	1	2	3	1	7	202
% FHWA Classes 5-13	16.4	7.4	4.3	0	9.5	10.7	5.8	26.7	0	16.7	1.4	5.0	20.0	66.7	5.0	1.0	3.7	4.1	100	3.1	8.2

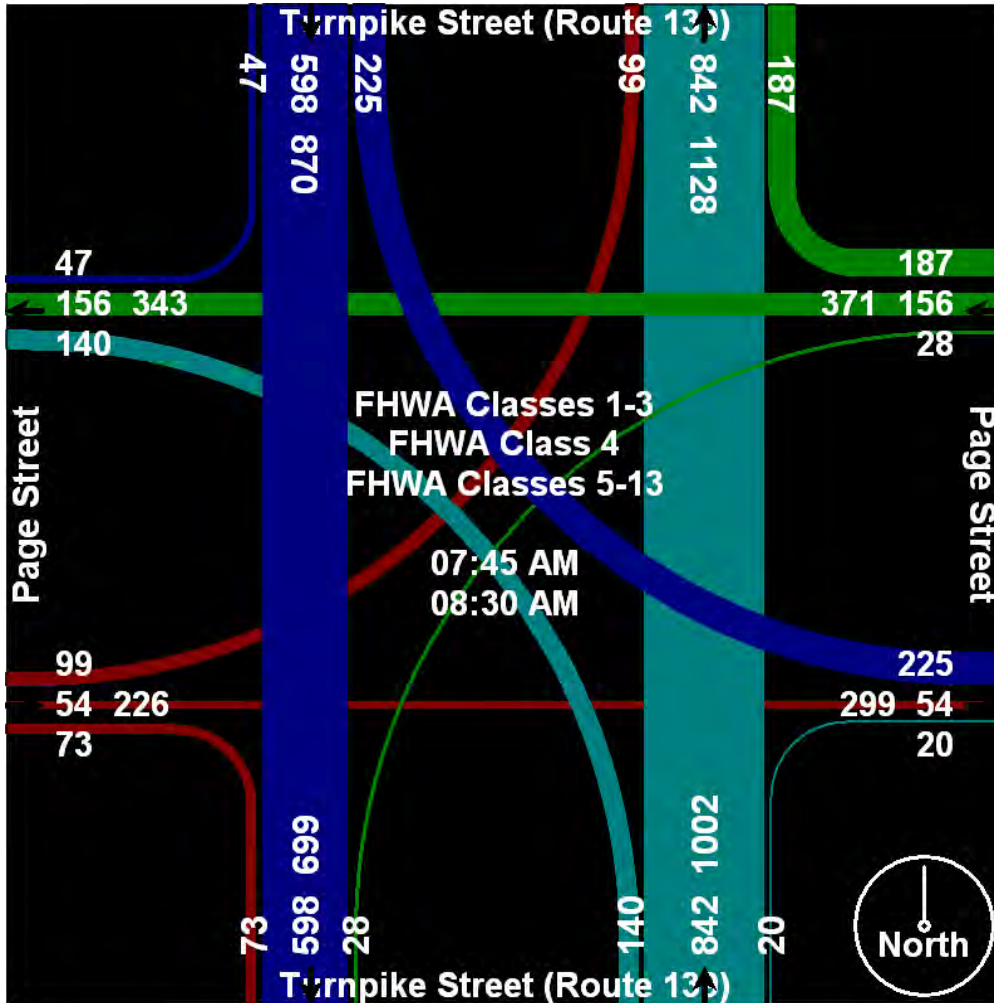




Old Colony Planning Council
70 School Street
Brockton, MA 02301
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www.ocpcrpa.org

Community: Stoughton
Weather: Clear
Board #: DB-400 (6)
Staff: KW

File Name : 285_Turnpike(139)&Page_AM
Site Code : 285
Start Date : 8/27/2009
Page No : 5



Transportation Data Corporation

Mario Perone, mperone1@verizon.net

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N/S: Turnpike Street (Route 139)

E/W: Page Street

City/State: Stoughton, MA

Client: C&C/J. Morgan

File Name : 03885A

Site Code : 03885

Start Date : 12/4/2008

Page No : 1

Groups Printed- Cars - Trucks

Start Time	Turnpike Street (Route 139) From North			Page Street From East			Turnpike Street (Route 139) From South			Page Street From West			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	21	177	47	95	12	5	9	177	8	15	30	37	633
04:15 PM	18	194	45	53	11	11	8	168	11	15	20	34	588
04:30 PM	20	186	44	62	14	12	4	134	13	12	29	33	563
04:45 PM	17	168	44	66	19	17	4	150	11	18	23	24	561
Total	76	725	180	276	56	45	25	629	43	60	102	128	2345
05:00 PM	19	176	58	71	8	5	2	149	8	29	27	29	581
05:15 PM	28	194	32	74	8	6	2	178	14	21	42	39	638
05:30 PM	27	156	32	44	15	8	7	150	20	23	20	30	532
05:45 PM	13	161	33	54	23	5	7	158	13	8	32	31	538
Total	87	687	155	243	54	24	18	635	55	81	121	129	2289
06:00 PM	21	148	46	43	7	9	2	126	7	12	32	28	481
06:15 PM	15	133	30	36	12	3	1	150	9	13	13	28	443
06:30 PM	18	137	31	33	8	5	3	97	20	11	10	21	394
06:45 PM	19	130	32	20	7	8	0	79	8	7	12	11	333
Total	73	548	139	132	34	25	6	452	44	43	67	88	1651
Grand Total	236	1960	474	651	144	94	49	1716	142	184	290	345	6285
Approch %	8.8	73.4	17.8	73.2	16.2	10.6	2.6	90	7.4	22.5	35.4	42.1	
Total %	3.8	31.2	7.5	10.4	2.3	1.5	0.8	27.3	2.3	2.9	4.6	5.5	
Cars	236	1929	417	612	144	92	47	1694	142	184	288	343	6128
% Cars	100	98.4	88	94	100	97.9	95.9	98.7	100	100	99.3	99.4	97.5
Trucks	0	31	57	39	0	2	2	22	0	0	2	2	157
% Trucks	0	1.6	12	6	0	2.1	4.1	1.3	0	0	0.7	0.6	2.5

Start Time	Turnpike Street (Route 139) From North				Page Street From East				Turnpike Street (Route 139) From South				Page Street From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	21	177	47	245	95	12	5	112	9	177	8	194	15	30	37	82	633
04:15 PM	18	194	45	257	53	11	11	75	8	168	11	187	15	20	34	69	588
04:30 PM	20	186	44	250	62	14	12	88	4	134	13	151	12	29	33	74	563
04:45 PM	17	168	44	229	66	19	17	102	4	150	11	165	18	23	24	65	561
Total Volume	76	725	180	981	276	56	45	377	25	629	43	697	60	102	128	290	2345
% App. Total	7.7	73.9	18.3		73.2	14.9	11.9		3.6	90.2	6.2		20.7	35.2	44.1		
PHF	.905	.934	.957	.954	.726	.737	.662	.842	.694	.888	.827	.898	.833	.850	.865	.884	.926
Cars	76	709	150	935	254	56	44	354	24	622	43	689	60	101	127	288	2266
% Cars	100	97.8	83.3	95.3	92.0	100	97.8	93.9	96.0	98.9	100	98.9	100	99.0	99.2	99.3	96.6
Trucks	0	16	30	46	22	0	1	23	1	7	0	8	0	1	1	2	79
% Trucks	0	2.2	16.7	4.7	8.0	0	2.2	6.1	4.0	1.1	0	1.1	0	1.0	0.8	0.7	3.4

Transportation Data Corporation

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N/S: Turnpike Street (Route 139)

E/W: Page Street

City/State: Stoughton, MA

Client: C&C/J. Morgan

File Name : 03885A

Site Code : 03885

Start Date : 12/4/2008

Page No : 1

Groups Printed- Trucks

Start Time	Turnpike Street (Route 139) From North			Page Street From East			Turnpike Street (Route 139) From South			Page Street From West			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	0	1	8	6	0	0	0	3	0	0	0	1	19
04:15 PM	0	7	10	5	0	1	0	2	0	0	0	0	25
04:30 PM	0	4	8	4	0	0	1	2	0	0	1	0	20
04:45 PM	0	4	4	7	0	0	0	0	0	0	0	0	15
Total	0	16	30	22	0	1	1	7	0	0	1	1	79
05:00 PM	0	4	5	0	0	0	0	3	0	0	0	0	12
05:15 PM	0	4	1	6	0	0	1	2	0	0	0	0	14
05:30 PM	0	0	0	3	0	0	0	2	0	0	0	0	5
05:45 PM	0	6	5	1	0	0	0	4	0	0	0	0	16
Total	0	14	11	10	0	0	1	11	0	0	0	0	47
06:00 PM	0	1	8	2	0	0	0	0	0	0	0	0	11
06:15 PM	0	0	2	4	0	0	0	0	0	0	0	1	7
06:30 PM	0	0	5	1	0	1	0	4	0	0	1	0	12
06:45 PM	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	0	1	16	7	0	1	0	4	0	0	1	1	31
Grand Total	0	31	57	39	0	2	2	22	0	0	2	2	157
Approch %	0	35.2	64.8	95.1	0	4.9	8.3	91.7	0	0	50	50	
Total %	0	19.7	36.3	24.8	0	1.3	1.3	14	0	0	1.3	1.3	

Start Time	Turnpike Street (Route 139) From North				Page Street From East				Turnpike Street (Route 139) From South				Page Street From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	0	1	8	9	6	0	0	6	0	3	0	3	0	0	1	1	19
04:15 PM	0	7	10	17	5	0	1	6	0	2	0	2	0	0	0	0	25
04:30 PM	0	4	8	12	4	0	0	4	1	2	0	3	0	1	0	1	20
04:45 PM	0	4	4	8	7	0	0	7	0	0	0	0	0	0	0	0	15
Total Volume	0	16	30	46	22	0	1	23	1	7	0	8	0	1	1	2	79
% App. Total	0	34.8	65.2	95.7	0	4.3	8.21	12.5	87.5	0	0	66.7	0	50	50	500	790
PIUF	.000	.571	.750	.676	.786	.000	.250	.821	.250	.583	.000	.667	.000	.250	.250	.500	.790

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N/S: Turnpike Street (Route 139)

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City/State: Stoughton, MA

Client: C&C/J. Morgan

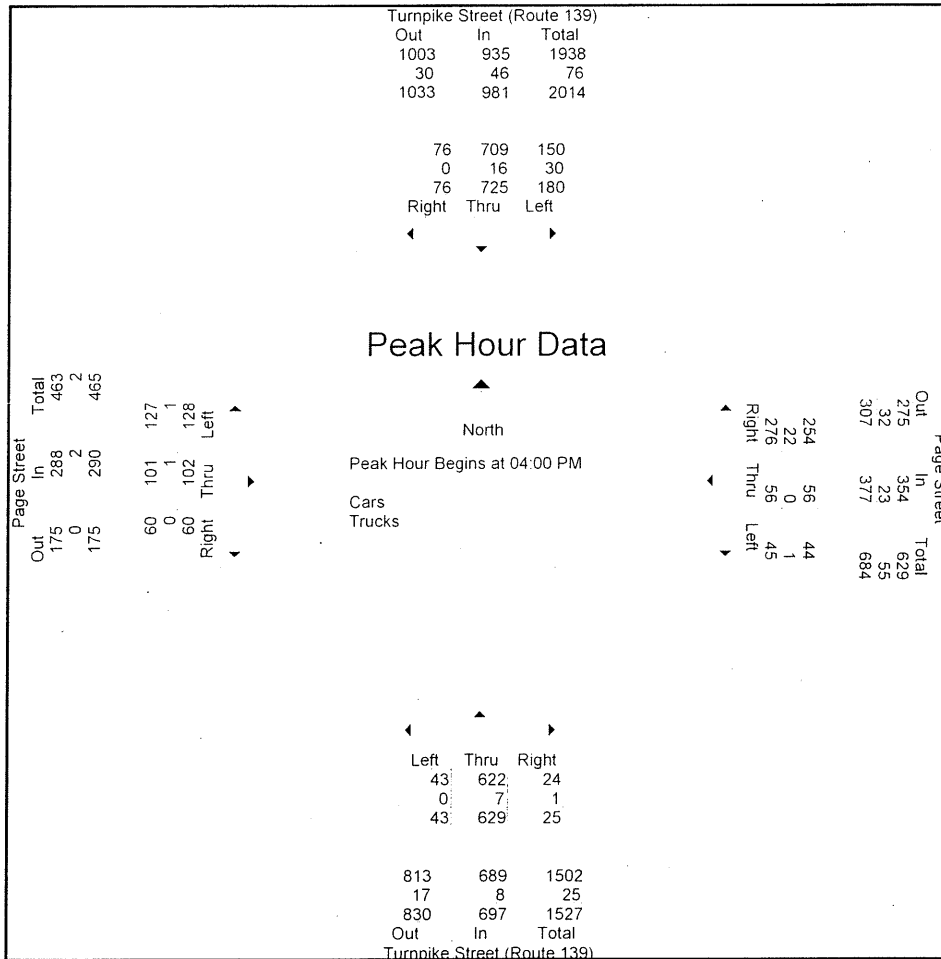
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Site Code : 03885

Start Date : 12/4/2008





















Page No : 1

Start Time	Turnpike Street (Route 139) From North				Right	Page Street From East				Turnpike Street (Route 139) From South				Right	Page Street From West				Int. Total
	Right	Thru	Left	App. Total		Thru	Left	App. Total	Right	Thru	Left	App. Total	Thru		Left	App. Total			
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																			
Peak Hour for Entire Intersection Begins at 04:00 PM																			
04:00 PM	21	177	47	245	95	12	5	112	9	177	8	194	15	30	37	82	633		
04:15 PM	18	194	45	257	53	11	11	75	8	168	11	187	15	20	34	69	588		
04:30 PM	20	186	44	250	62	14	12	88	4	134	13	151	12	29	33	74	563		
04:45 PM	17	168	44	229	66	19	17	102	4	150	11	165	18	23	24	65	561		
Total Volume	76	725	180	981	276	56	45	377	25	629	43	697	60	102	128	290	2345		
% App. Total	7.7	73.9	18.3		73.2	14.9	11.9		3.6	90.2	6.2		20.7	35.2	44.1				
PIHF	.905	.934	.957	.954	.726	.737	.662	.842	.694	.888	.827	.898	.833	.850	.865	.884	.926		
Cars	76	709	150	935	254	56	44	354	24	622	43	689	60	101	127	288	2266		
% Cars	100	97.8	83.3	95.3	92.0	100	97.8	93.9	96.0	98.9	100	98.9	100	99.0	99.2	99.3	96.6		
Trucks	0	16	30	46	22	0	1	23	1	7	0	8	0	1	1	2	79		
% Trucks	0	2.2	16.7	4.7	8.0	0	2.2	6.1	4.0	1.1	0	1.1	0	1.0	0.8	0.7	3.4		



HCM Signalized Intersection Capacity Analysis
 3: Page Street & Turnpike Street (Route 139)

2009 AM Peak Hour LOS

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0		
Lane Util. Factor		1.00		1.00	1.00	1.00	1.00	0.95		1.00	1.00		
Frt		0.96		1.00	1.00	0.85	1.00	1.00		1.00	0.99		
Flt Protected		0.98		0.95	1.00	1.00	0.95	1.00		0.95	1.00		
Satd. Flow (prot)		1727		1543	1624	1380	1719	3426		1641	1708		
Flt Permitted		0.71		0.54	1.00	1.00	0.95	1.00		0.95	1.00		
Satd. Flow (perm)		1245		871	1624	1380	1719	3426		1641	1708		
Volume (vph)	99	54	73	28	156	187	140	842	20	225	598	47	
Peak-hour factor, PHF	0.89	0.89	0.89	0.91	0.91	0.91	0.96	0.96	0.96	0.92	0.92	0.92	
Adj. Flow (vph)	111	61	82	31	171	205	146	877	21	245	650	51	
RTOR Reduction (vph)	0	19	0	0	0	152	0	2	0	0	3	0	
Lane Group Flow (vph)	0	235	0	31	171	53	146	896	0	245	698	0	
Heavy Vehicles (%)	3%	3%	3%	17%	17%	17%	5%	5%	5%	10%	10%	10%	
Turn Type	pm+pt			Perm		Perm	Prot			Prot			
Protected Phases	7	4			8		5	2		1	6		
Permitted Phases	4			8		8							
Actuated Green, G (s)		22.5		22.5	22.5	22.5	9.6	37.1		15.7	43.2		
Effective Green, g (s)		22.5		22.5	22.5	22.5	9.6	37.1		15.7	43.2		
Actuated g/C Ratio		0.26		0.26	0.26	0.26	0.11	0.42		0.18	0.49		
Clearance Time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0		
Vehicle Extension (s)		3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0		
Lane Grp Cap (vph)		321		224	419	356	189	1456		295	845		
v/s Ratio Prot					0.11		0.08	0.26		c0.15	c0.41		
v/s Ratio Perm		c0.19		0.04		0.04							
v/c Ratio		0.73		0.14	0.41	0.15	0.77	0.62		0.83	0.83		
Uniform Delay, d1		29.6		24.9	26.9	25.0	37.8	19.5		34.5	18.8		
Progression Factor		1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		
Incremental Delay, d2		8.3		0.3	0.7	0.2	17.6	2.0		17.7	9.1		
Delay (s)		37.9		25.2	27.5	25.2	55.4	21.5		52.2	27.9		
Level of Service		D		C	C	C	E	C		D	C		
Approach Delay (s)		37.9			26.2			26.2			34.2		
Approach LOS		D			C			C			C		
Intersection Summary													
HCM Average Control Delay			30.2		HCM Level of Service						C		
HCM Volume to Capacity ratio			0.78										
Actuated Cycle Length (s)			87.3		Sum of lost time (s)					8.0			
Intersection Capacity Utilization			76.4%		ICU Level of Service					D			
Analysis Period (min)			15										

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 3: Page Street & Turnpike Street (Route 139)

2009 PM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor		1.00		1.00	1.00	1.00	1.00	0.95		1.00	1.00	
Fr _t		0.97		1.00	1.00	0.85	1.00	0.99		1.00	0.99	
Fl _t Protected		0.98		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)		1789		1687	1776	1509	1787	3554		1719	1784	
Fl _t Permitted		0.83		0.50	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)		1510		884	1776	1509	1787	3554		1719	1784	
Volume (vph)	128	102	60	45	56	276	43	629	25	180	725	75
Peak-hour factor, PHF	0.88	0.88	0.88	0.84	0.84	0.84	0.90	0.90	0.90	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	148	118	70	55	68	335	49	713	28	193	778	81
RTOR Reduction (vph)	0	11	0	0	0	243	0	3	0	0	4	0
Lane Group Flow (vph)	0	325	0	55	68	92	49	738	0	193	855	0
Heavy Vehicles (%)	1%	1%	1%	7%	7%	7%	1%	1%	1%	5%	5%	5%
Turn Type	pm+pt			Perm		Perm	Prot			Prot		
Protected Phases	7	4			8		5	2		1	6	
Permitted Phases	4			8		8						
Actuated Green, G (s)		24.0		24.0	24.0	24.0	3.1	37.2		14.2	48.3	
Effective Green, g (s)		24.0		24.0	24.0	24.0	3.1	37.2		14.2	48.3	
Actuated g/C Ratio		0.27		0.27	0.27	0.27	0.04	0.43		0.16	0.55	
Clearance Time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		415		243	488	414	63	1513		279	986	
v/s Ratio Prot					0.04		0.03	0.21		c0.11	c0.48	
v/s Ratio Perm		c0.22		0.06		0.06						
v/c Ratio		0.78		0.23	0.14	0.22	0.78	0.49		0.69	0.87	
Uniform Delay, d ₁		29.3		24.5	23.9	24.5	41.8	18.2		34.5	16.8	
Progression Factor		1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d ₂		9.3		0.5	0.1	0.3	44.2	1.1		7.2	10.2	
Delay (s)		38.6		25.0	24.0	24.8	86.0	19.3		41.7	27.0	
Level of Service		D		C	C	C	F	B		D	C	
Approach Delay (s)		38.6			24.7			23.5			29.7	
Approach LOS		D			C			C			C	
Intersection Summary												
HCM Average Control Delay			28.1				HCM Level of Service				C	
HCM Volume to Capacity ratio			0.85									
Actuated Cycle Length (s)			87.4				Sum of lost time (s)				12.0	
Intersection Capacity Utilization			80.0%				ICU Level of Service				D	
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 3: Page Street & Turnpike Street (Route 139)

Forecast 2014 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0		
Lane Util. Factor		1.00		1.00	1.00	1.00	1.00	0.95		1.00	1.00		
Frt		0.96		1.00	1.00	0.85	1.00	1.00		1.00	0.99		
Flt Protected		0.98		0.95	1.00	1.00	0.95	1.00		0.95	1.00		
Satd. Flow (prot)		1727		1543	1624	1380	1719	3426		1641	1708		
Flt Permitted		0.69		0.53	1.00	1.00	0.95	1.00		0.95	1.00		
Satd. Flow (perm)		1218		864	1624	1380	1719	3426		1641	1708		
Volume (vph)	99	54	73	28	156	187	140	842	20	225	598	47	
Peak-hour factor, PHF	0.89	0.89	0.89	0.91	0.91	0.91	0.96	0.96	0.96	0.92	0.92	0.92	
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	
Adj. Flow (vph)	117	64	86	32	180	216	153	921	22	257	682	54	
RTOR Reduction (vph)	0	19	0	0	0	158	0	2	0	0	3	0	
Lane Group Flow (vph)	0	248	0	32	180	58	153	941	0	257	733	0	
Heavy Vehicles (%)	3%	3%	3%	17%	17%	17%	5%	5%	5%	10%	10%	10%	
Turn Type	pm+pt			Perm		Perm	Prot			Prot			
Protected Phases	7	4			8		5	2		1	6		
Permitted Phases	4			8		8							
Actuated Green, G (s)		23.8		23.8	23.8	23.8	9.8	36.7		16.1	43.0		
Effective Green, g (s)		23.8		23.8	23.8	23.8	9.8	36.7		16.1	43.0		
Actuated g/C Ratio		0.27		0.27	0.27	0.27	0.11	0.41		0.18	0.49		
Clearance Time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0		
Vehicle Extension (s)		3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0		
Lane Grp Cap (vph)		327		232	436	371	190	1419		298	829		
v/s Ratio Prot					0.11		0.09	0.27		c0.16	c0.43		
v/s Ratio Perm		c0.20		0.04		0.04							
v/c Ratio		0.76		0.14	0.41	0.16	0.81	0.66		0.86	0.88		
Uniform Delay, d1		29.8		24.6	26.7	24.7	38.5	21.0		35.2	20.6		
Progression Factor		1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00		
Incremental Delay, d2		9.7		0.3	0.6	0.2	21.4	2.5		21.7	13.2		
Delay (s)		39.4		24.9	27.3	24.9	59.9	23.4		56.9	33.8		
Level of Service		D		C	C	C	E	C		E	C		
Approach Delay (s)		39.4			25.9			28.5			39.8		
Approach LOS		D			C			C			D		
Intersection Summary													
HCM Average Control Delay			33.2		HCM Level of Service						C		
HCM Volume to Capacity ratio			0.83										
Actuated Cycle Length (s)			88.6		Sum of lost time (s)					8.0			
Intersection Capacity Utilization			79.6%		ICU Level of Service					D			
Analysis Period (min)			15										
c Critical Lane Group													

HCM Signalized Intersection Capacity Analysis
 3: Page Street & Turnpike Street (Route 139)

Forecast 2014 PM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor		1.00		1.00	1.00	1.00	1.00	0.95		1.00	1.00	
Frt		0.97		1.00	1.00	0.85	1.00	0.99		1.00	0.99	
Flt Protected		0.98		0.95	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)		1789		1687	1776	1509	1787	3554		1719	1784	
Flt Permitted		0.82		0.49	1.00	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (perm)		1507		875	1776	1509	1787	3554		1719	1784	
Volume (vph)	128	102	60	45	56	276	43	629	25	180	725	75
Peak-hour factor, PHF	0.88	0.88	0.88	0.84	0.84	0.84	0.90	0.90	0.90	0.95	0.95	0.95
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	156	124	73	57	71	352	51	748	30	203	817	84
RTOR Reduction (vph)	0	11	0	0	0	253	0	3	0	0	4	0
Lane Group Flow (vph)	0	342	0	57	71	99	51	775	0	203	897	0
Heavy Vehicles (%)	1%	1%	1%	7%	7%	7%	1%	1%	1%	5%	5%	5%
Turn Type	pm+pt			Perm		Perm	Prot			Prot		
Protected Phases	7	4			8		5	2		1	6	
Permitted Phases	4			8		8						
Actuated Green, G (s)		24.6		24.6	24.6	24.6	3.1	36.7		14.6	48.2	
Effective Green, g (s)		24.6		24.6	24.6	24.6	3.1	36.7		14.6	48.2	
Actuated g/C Ratio		0.28		0.28	0.28	0.28	0.04	0.42		0.17	0.55	
Clearance Time (s)		4.0		4.0	4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0		3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		422		245	497	422	63	1484		286	978	
v/s Ratio Prot					0.04		0.03	0.22		c0.12	c0.50	
v/s Ratio Perm		c0.23		0.07		0.07						
v/c Ratio		0.81		0.23	0.14	0.23	0.81	0.52		0.71	0.92	
Uniform Delay, d1		29.5		24.4	23.7	24.4	42.1	19.1		34.6	18.0	
Progression Factor		1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	
Incremental Delay, d2		11.2		0.5	0.1	0.3	51.6	1.3		7.8	14.6	
Delay (s)		40.7		24.9	23.9	24.7	93.7	20.4		42.5	32.7	
Level of Service		D		C	C	C	F	C		D	C	
Approach Delay (s)		40.7			24.6			24.9			34.5	
Approach LOS		D			C			C			C	
Intersection Summary												
HCM Average Control Delay			30.7				HCM Level of Service				C	
HCM Volume to Capacity ratio			0.89									
Actuated Cycle Length (s)			87.9				Sum of lost time (s)				12.0	
Intersection Capacity Utilization			82.9%				ICU Level of Service				E	
Analysis Period (min)			15									
c Critical Lane Group												



Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833
www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG

File Name : 285_Lindelof(139)&AmVets(24)_NBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

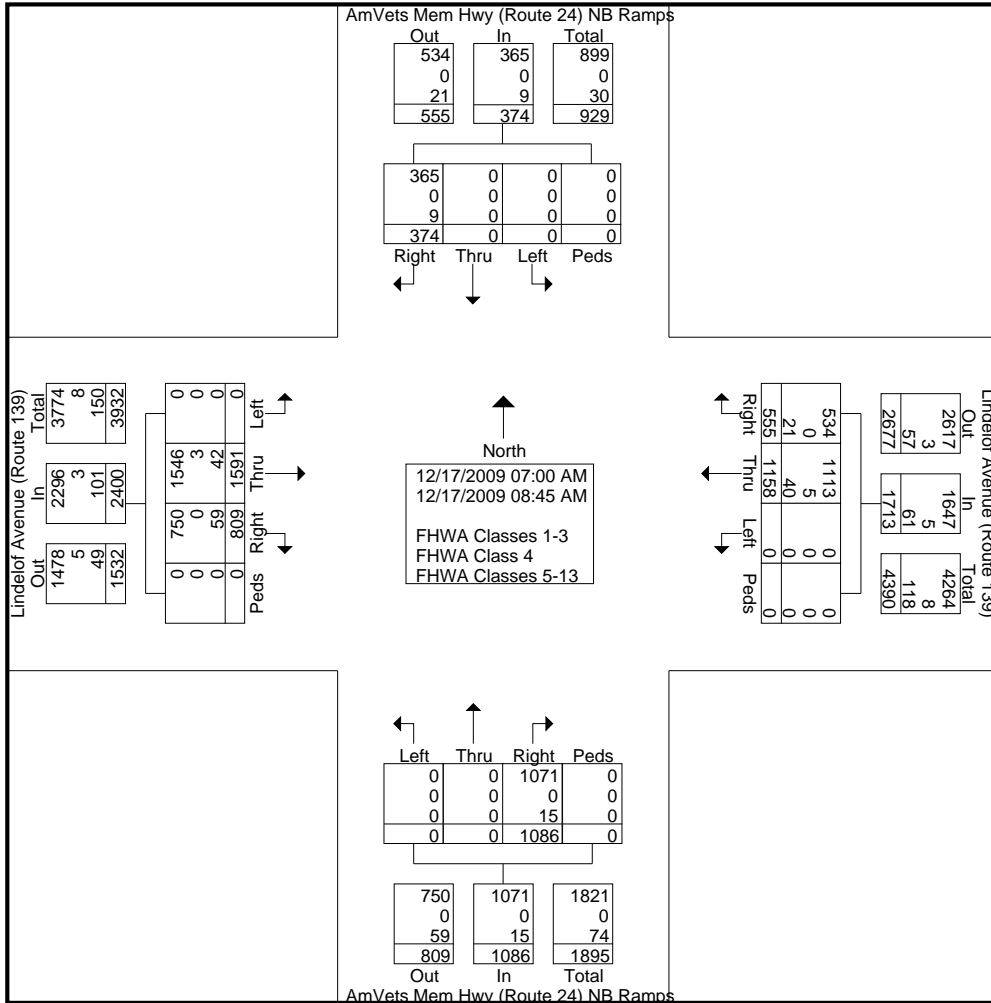
Start Time	AmVets Mem Hwy (Route 24) NB Ramps Southbound					Lindelof Avenue (Route 139) Westbound					AmVets Mem Hwy (Route 24) NB Ramps Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	23	0	23	0	94	68	0	162	0	0	104	0	104	0	170	119	0	289	578
07:15 AM	0	0	20	0	20	0	121	82	0	203	0	0	110	0	110	0	176	138	0	314	647
07:30 AM	0	0	32	0	32	0	159	115	0	274	0	0	115	0	115	0	198	129	0	327	748
07:45 AM	0	0	42	0	42	0	155	71	0	226	0	0	135	0	135	0	217	134	0	351	754
Total	0	0	117	0	117	0	529	336	0	865	0	0	464	0	464	0	761	520	0	1281	2727
08:00 AM	0	0	42	0	42	0	142	54	0	196	0	0	134	0	134	0	190	73	0	263	635
08:15 AM	0	0	69	0	69	0	157	36	0	193	0	0	156	0	156	0	224	86	0	310	728
08:30 AM	0	0	60	0	60	0	160	74	0	234	0	0	192	0	192	0	216	68	0	284	770
08:45 AM	0	0	86	0	86	0	170	55	0	225	0	0	140	0	140	0	200	62	0	262	713
Total	0	0	257	0	257	0	629	219	0	848	0	0	622	0	622	0	830	289	0	1119	2846
Grand Total	0	0	374	0	374	0	1158	555	0	1713	0	0	1086	0	1086	0	1591	809	0	2400	5573
Apprch %	0	0	100	0		0	67.6	32.4	0		0	0	100	0		0	66.3	33.7	0		
Total %	0	0	6.7	0	6.7	0	20.8	10	0	30.7	0	0	19.5	0	19.5	0	28.5	14.5	0	43.1	
FHWA Classes 1-3	0	0	365	0	365	0	1113	534	0	1647	0	0	1071	0	1071	0	1546	750	0	2296	5379
% FHWA Classes 1-3	0	0	97.6	0	97.6	0	96.1	96.2	0	96.1	0	0	98.6	0	98.6	0	97.2	92.7	0	95.7	96.5
FHWA Class 4	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	8
% FHWA Class 4	0	0	0	0	0	0	0.4	0	0	0.3	0	0	0	0	0	0	0.2	0	0	0.1	0.1
FHWA Classes 5-13	0	0	9	0	9	0	40	21	0	61	0	0	15	0	15	0	42	59	0	101	186
% FHWA Classes 5-13	0	0	2.4	0	2.4	0	3.5	3.8	0	3.6	0	0	1.4	0	1.4	0	2.6	7.3	0	4.2	3.3



Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG

File Name : 285_Lindelof(139)&AmVets(24)_NBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 2



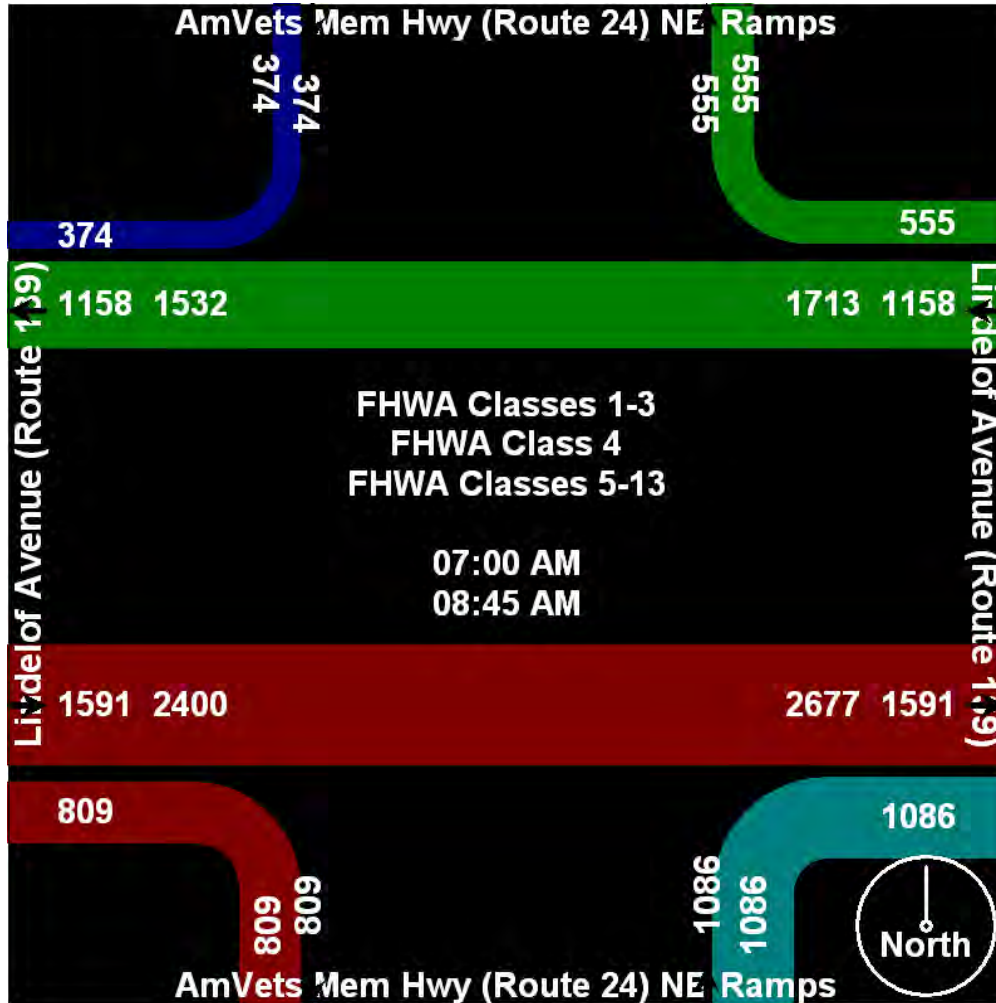


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 Brockton, MA 02301

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 Site Code : 285
 Start Date : 12/17/2009
 Page No : 3

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG



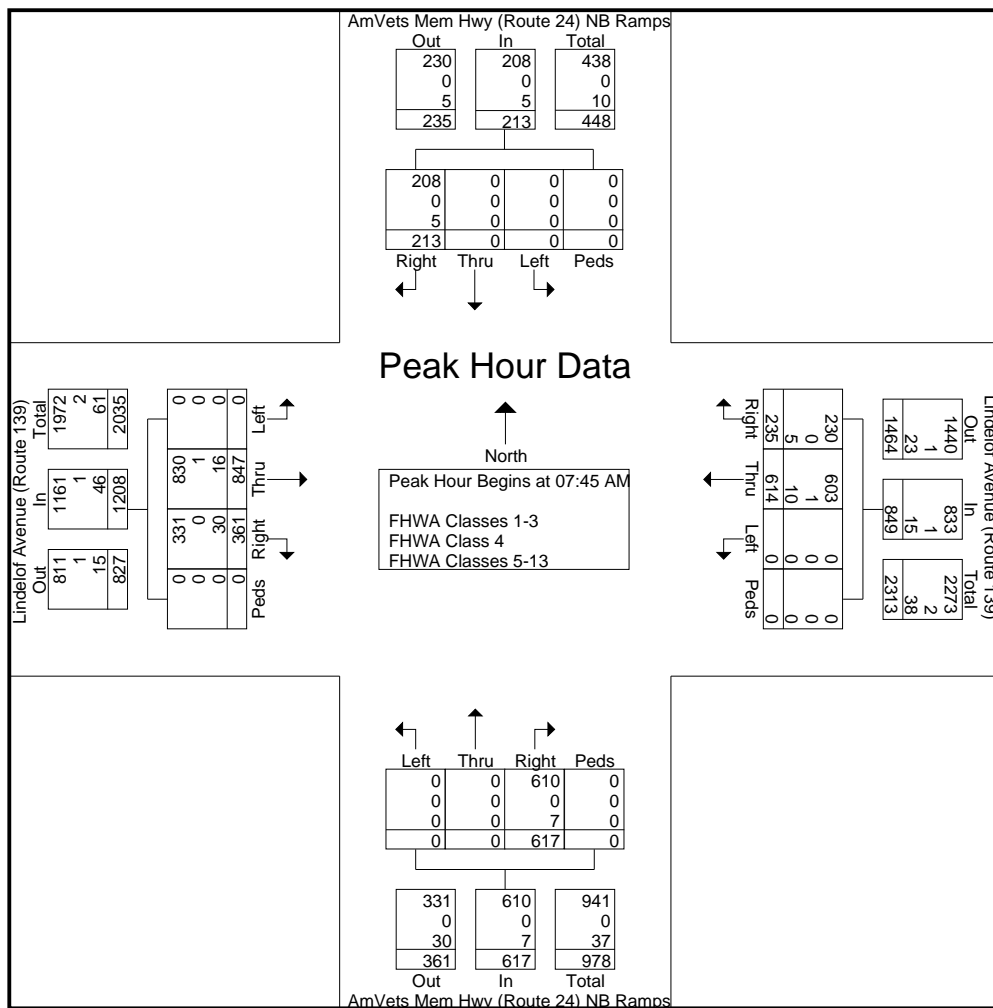


Old Colony Planning Council
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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG

File Name : 285_Lindelof(139)&AmVets(24)_NBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 4

Start Time	AmVets Mem Hwy (Route 24) NB Ramps Southbound					Lindelof Avenue (Route 139) Westbound					AmVets Mem Hwy (Route 24) NB Ramps Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	42	0	42	0	155	71	0	226	0	0	135	0	135	0	217	134	0	351	754
08:00 AM	0	0	42	0	42	0	142	54	0	196	0	0	134	0	134	0	190	73	0	263	635
08:15 AM	0	0	69	0	69	0	157	36	0	193	0	0	156	0	156	0	224	86	0	310	728
08:30 AM	0	0	60	0	60	0	160	74	0	234	0	0	192	0	192	0	216	68	0	284	770
Total Volume	0	0	213	0	213	0	614	235	0	849	0	0	617	0	617	0	847	361	0	1208	2887
% App. Total	0	0	100	0		0	72.3	27.7	0		0	0	100	0		0	70.1	29.9	0		
PHF	.000	.000	.772	.000	.772	.000	.959	.794	.000	.907	.000	.000	.803	.000	.803	.000	.945	.674	.000	.860	.937
FHWA Classes 1-3	0	0	208	0	208	0	603	230	0	833	0	0	610	0	610	0	830	331	0	1161	2812
% FHWA Classes 1-3	0	0	97.7	0	97.7	0	98.2	97.9	0	98.1	0	0	98.9	0	98.9	0	98.0	91.7	0	96.1	97.4
FHWA Class 4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
% FHWA Class 4	0	0	0	0	0	0	0.2	0	0	0.1	0	0	0	0	0	0	0.1	0	0	0.1	0.1
FHWA Classes 5-13	0	0	5	0	5	0	10	5	0	15	0	0	7	0	7	0	16	30	0	46	73
% FHWA Classes 5-13	0	0	2.3	0	2.3	0	1.6	2.1	0	1.8	0	0	1.1	0	1.1	0	1.9	8.3	0	3.8	2.5

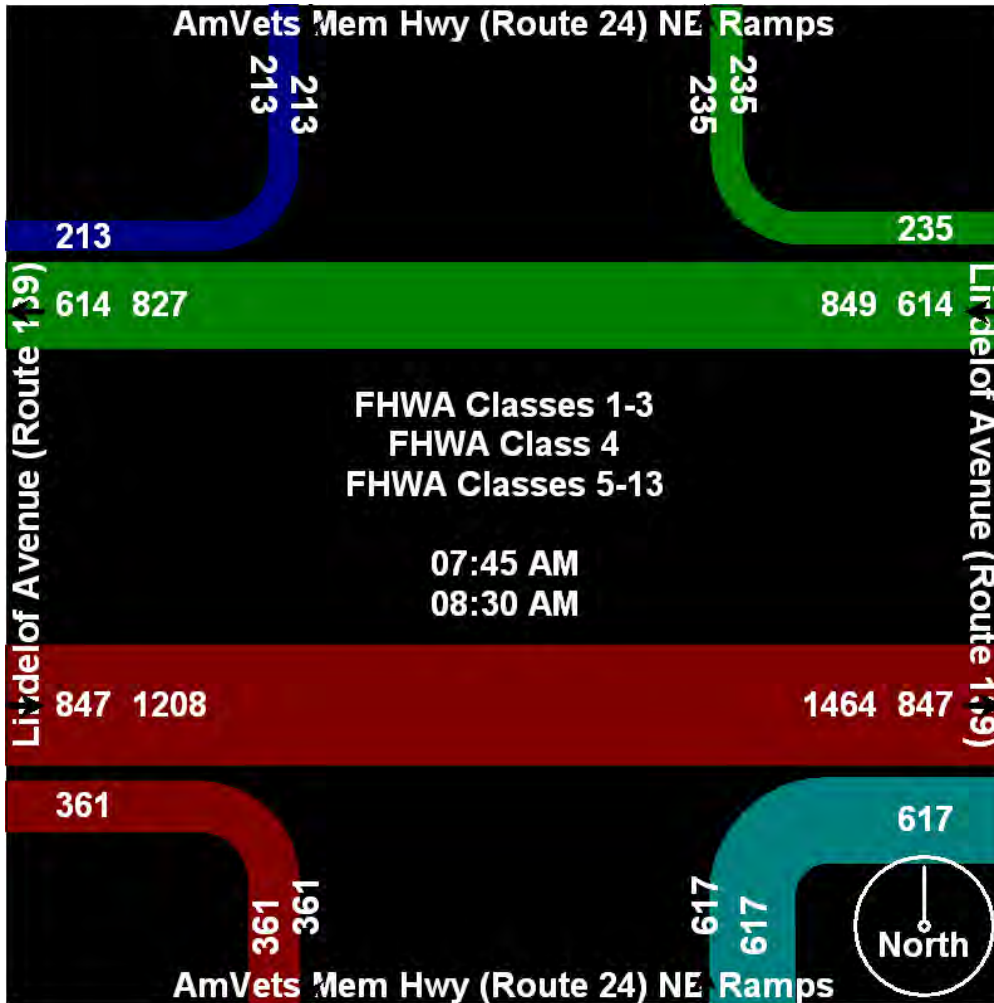




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
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Community: Stoughton
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG

File Name : 285_Lindelof(139)&AmVets(24)_NBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301

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File Name : 285_Lindelof(139)&AmVets(24)_NBRamps_AM
Site Code : 285
Start Date : 12/17/2009
Page No : 6

Community: Stoughton
Weather: Clear
Board #: DB-400 (5)
Staff: RG

Image 1





Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (2)
 Staff: EA

File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

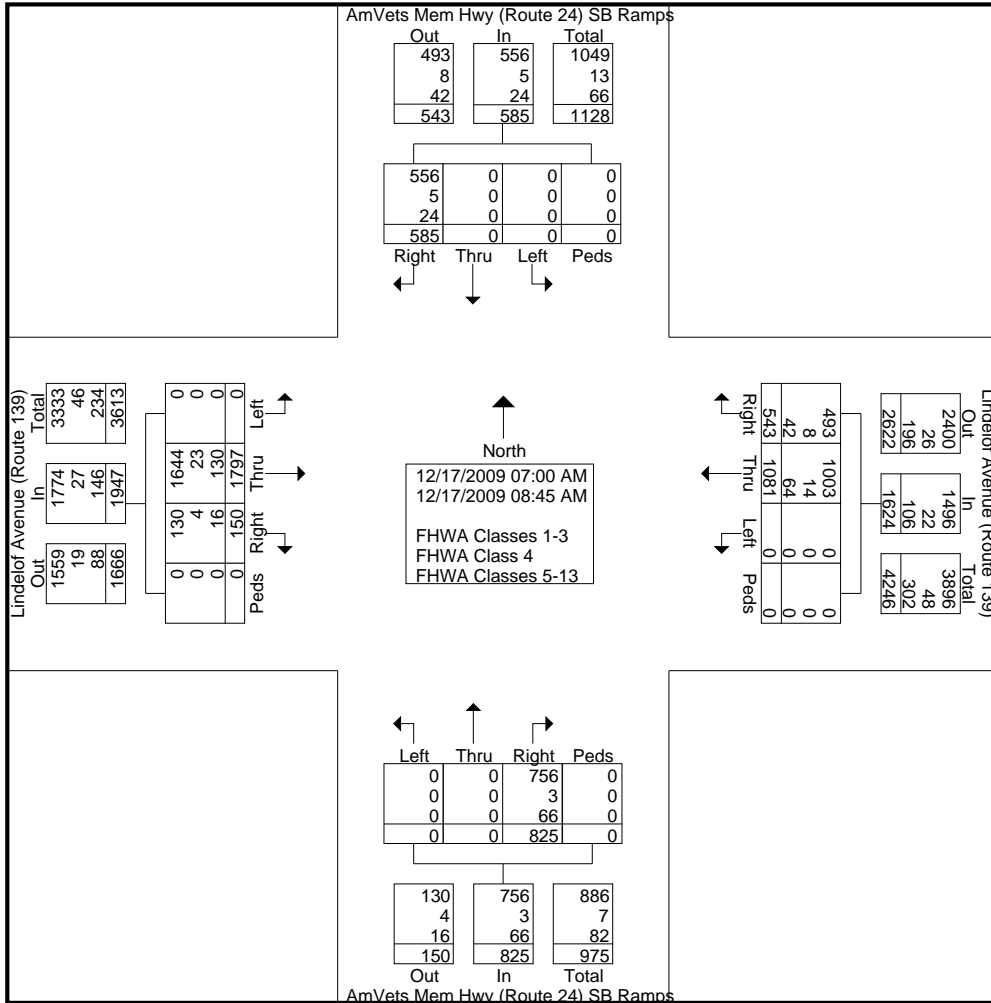
Start Time	AmVets Mem Hwy (Route 24) SB Ramps Southbound					Lindelof Avenue (Route 139) Westbound					AmVets Mem Hwy (Route 24) SB Ramps Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	80	0	80	0	109	56	0	165	0	0	117	0	117	0	229	11	0	240	602
07:15 AM	0	0	74	0	74	0	109	79	0	188	0	0	98	0	98	0	243	14	0	257	617
07:30 AM	0	0	83	0	83	0	134	65	0	199	0	0	115	0	115	0	248	25	0	273	670
07:45 AM	0	0	71	0	71	0	149	56	0	205	0	0	88	0	88	0	229	19	0	248	612
Total	0	0	308	0	308	0	501	256	0	757	0	0	418	0	418	0	949	69	0	1018	2501
08:00 AM	0	0	94	0	94	0	147	61	0	208	0	0	94	0	94	0	242	18	0	260	656
08:15 AM	0	0	71	0	71	0	148	68	0	216	0	0	95	0	95	0	226	17	0	243	625
08:30 AM	0	0	57	0	57	0	173	76	0	249	0	0	119	0	119	0	204	24	0	228	653
08:45 AM	0	0	55	0	55	0	112	82	0	194	0	0	99	0	99	0	176	22	0	198	546
Total	0	0	277	0	277	0	580	287	0	867	0	0	407	0	407	0	848	81	0	929	2480
Grand Total	0	0	585	0	585	0	1081	543	0	1624	0	0	825	0	825	0	1797	150	0	1947	4981
Apprch %	0	0	100	0		0	66.6	33.4	0		0	0	100	0		0	92.3	7.7	0		
Total %	0	0	11.7	0	11.7	0	21.7	10.9	0	32.6	0	0	16.6	0	16.6	0	36.1	3	0	39.1	
FHWA Classes 1-3	0	0	556	0	556	0	1003	493	0	1496	0	0	756	0	756	0	1644	130	0	1774	4582
% FHWA Classes 1-3	0	0	95	0	95	0	92.8	90.8	0	92.1	0	0	91.6	0	91.6	0	91.5	86.7	0	91.1	92
FHWA Class 4	0	0	5	0	5	0	14	8	0	22	0	0	3	0	3	0	23	4	0	27	57
% FHWA Class 4	0	0	0.9	0	0.9	0	1.3	1.5	0	1.4	0	0	0.4	0	0.4	0	1.3	2.7	0	1.4	1.1
FHWA Classes 5-13	0	0	24	0	24	0	64	42	0	106	0	0	66	0	66	0	130	16	0	146	342
% FHWA Classes 5-13	0	0	4.1	0	4.1	0	5.9	7.7	0	6.5	0	0	8	0	8	0	7.2	10.7	0	7.5	6.9



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

Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (2)
 Staff: EA

File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 2

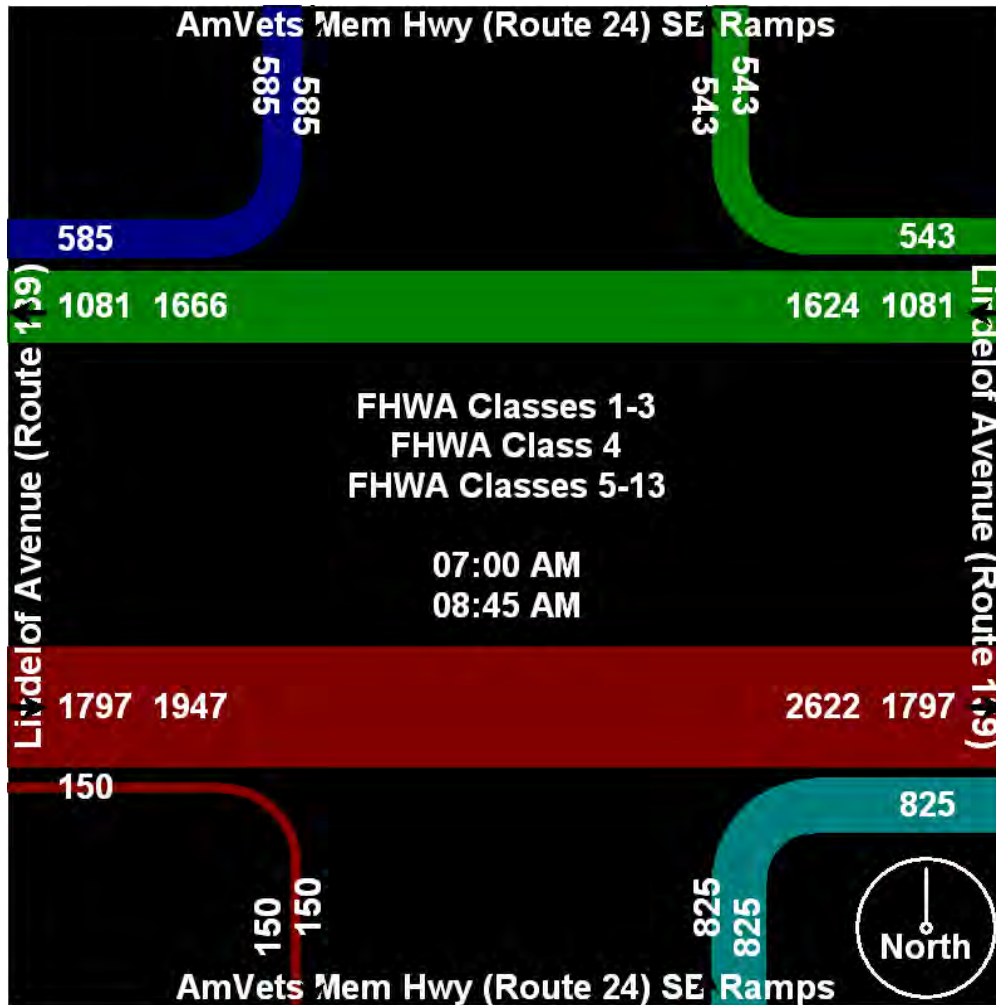




Old Colony Planning Council
 70 School Street
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Community: Stoughton
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 Board #: TDC-8 (2)
 Staff: EA

File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 3



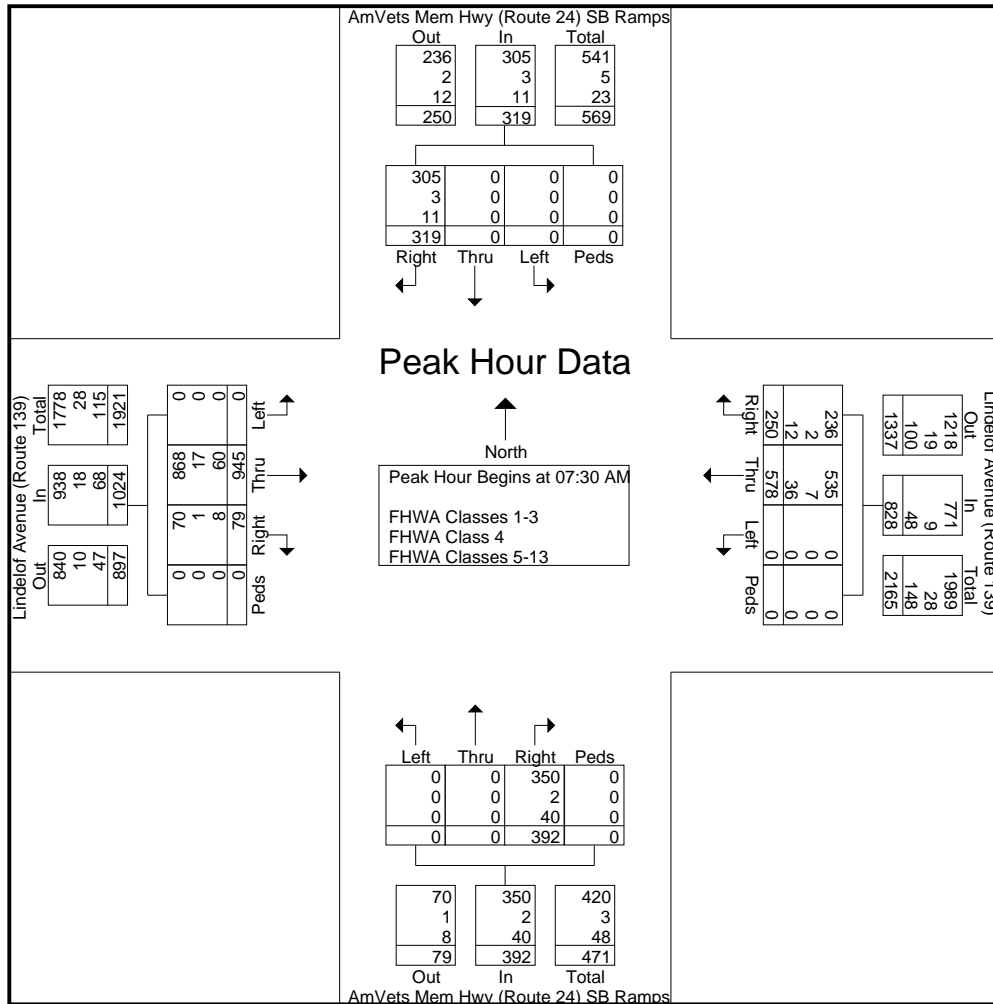


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (2)
 Staff: EA

File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 4

Start Time	AmVets Mem Hwy (Route 24) SB Ramps Southbound					Lindelof Avenue (Route 139) Westbound					AmVets Mem Hwy (Route 24) SB Ramps Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:30 AM																					
07:30 AM	0	0	83	0	83	0	134	65	0	199	0	0	115	0	115	0	248	25	0	273	670
07:45 AM	0	0	71	0	71	0	149	56	0	205	0	0	88	0	88	0	229	19	0	248	612
08:00 AM	0	0	94	0	94	0	147	61	0	208	0	0	94	0	94	0	242	18	0	260	656
08:15 AM	0	0	71	0	71	0	148	68	0	216	0	0	95	0	95	0	226	17	0	243	625
Total Volume	0	0	319	0	319	0	578	250	0	828	0	0	392	0	392	0	945	79	0	1024	2563
% App. Total	0	0	100	0		0	69.8	30.2	0		0	0	100	0		0	92.3	7.7	0		
PHF	.000	.000	.848	.000	.848	.000	.970	.919	.000	.958	.000	.000	.852	.000	.852	.000	.953	.790	.000	.938	.956
FHWA Classes 1-3	0	0	305	0	305	0	535	236	0	771	0	0	350	0	350	0	868	70	0	938	2364
% FHWA Classes 1-3	0	0	95.6	0	95.6	0	92.6	94.4	0	93.1	0	0	89.3	0	89.3	0	91.9	88.6	0	91.6	92.2
FHWA Class 4	0	0	3	0	3	0	7	2	0	9	0	0	2	0	2	0	17	1	0	18	32
% FHWA Class 4	0	0	0.9	0	0.9	0	1.2	0.8	0	1.1	0	0	0.5	0	0.5	0	1.8	1.3	0	1.8	1.2
FHWA Classes 5-13	0	0	11	0	11	0	36	12	0	48	0	0	40	0	40	0	60	8	0	68	167
% FHWA Classes 5-13	0	0	3.4	0	3.4	0	6.2	4.8	0	5.8	0	0	10.2	0	10.2	0	6.3	10.1	0	6.6	6.5

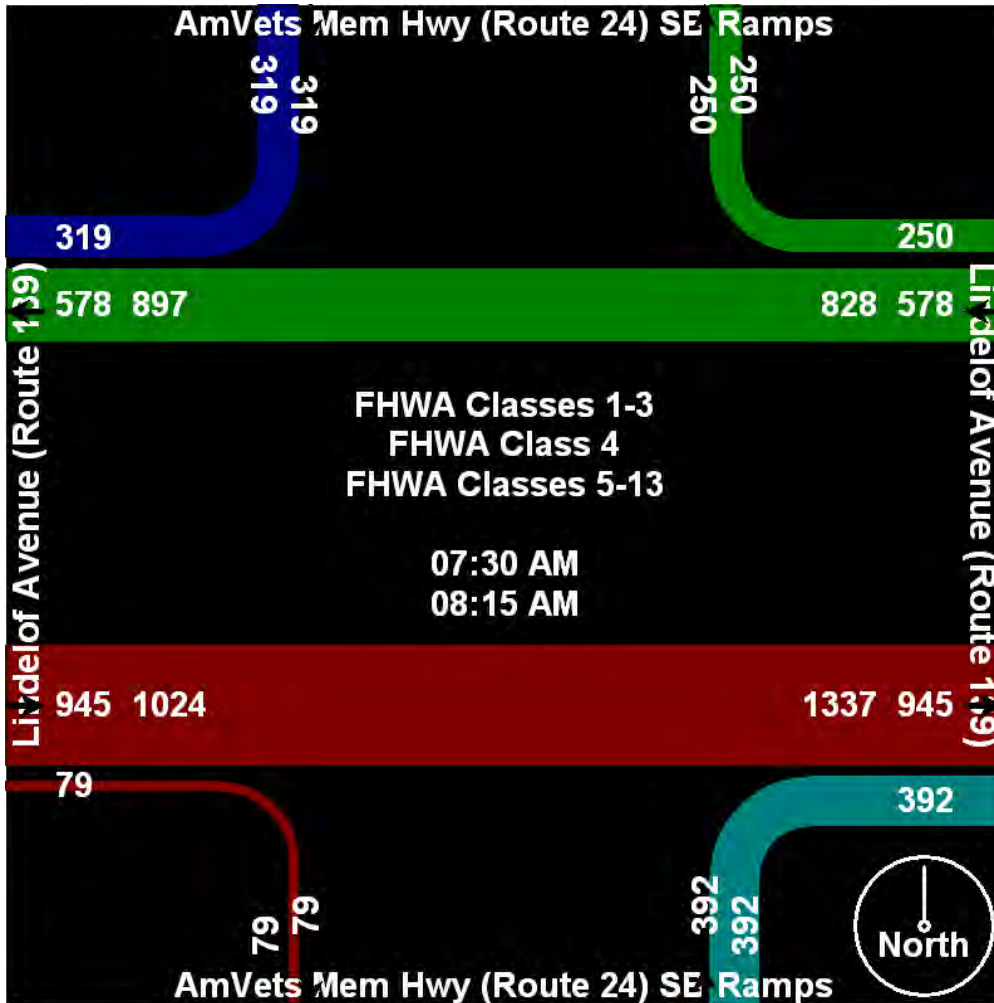




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: TDC-8 (2)
 Staff: EA

File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
 Site Code : 285
 Start Date : 12/17/2009
 Page No : 5





Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833
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File Name : 285_Lindelof(139)&AmVets(24)_SBRamps_AM
Site Code : 285
Start Date : 12/17/2009
Page No : 6

Community: Stoughton
Weather: Clear
Board #: TDC-8 (2)
Staff: EA

Image 1



Transporataion Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Route 24 NB Ramps (Exit 20)
 E/W: Lindelof Avenue (Route 139)
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885M
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Route 24 NB Ramps (WB) From North			Lindelof Avenue (Route 139) From East			Route 24 NB Ramps (EB) From South			Lindelof Avenue (Route 139) From West			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	10	0	0	82	275	0	73	0	0	139	238	0	817
04:15 PM	18	0	0	91	292	0	79	0	0	113	250	0	843
04:30 PM	21	0	0	105	282	0	94	0	0	115	254	0	871
04:45 PM	24	0	0	78	275	0	121	0	0	113	264	0	875
Total	73	0	0	356	1124	0	367	0	0	480	1006	0	3406
05:00 PM	22	0	0	90	320	0	115	0	0	122	274	0	943
05:15 PM	32	0	0	94	313	0	96	0	0	143	270	0	948
05:30 PM	30	0	0	83	288	0	113	0	0	124	236	0	874
05:45 PM	17	0	0	71	241	0	104	0	0	83	230	0	746
Total	101	0	0	338	1162	0	428	0	0	472	1010	0	3511
06:00 PM	12	0	0	76	219	0	80	0	0	84	241	0	712
06:15 PM	16	0	0	69	197	0	81	0	0	104	241	0	708
06:30 PM	11	0	0	73	182	0	78	0	0	82	219	0	645
06:45 PM	10	0	0	58	202	0	88	0	0	62	178	0	598
Total	49	0	0	276	800	0	327	0	0	332	879	0	2663
Grand Total	223	0	0	970	3086	0	1122	0	0	1284	2895	0	9580
Approch %	100	0	0	23.9	76.1	0	100	0	0	30.7	69.3	0	
Total %	2.3	0	0	10.1	32.2	0	11.7	0	0	13.4	30.2	0	
Cars	217	0	0	951	3043	0	1090	0	0	1257	2849	0	9407
% Cars	97.3	0	0	98	98.6	0	97.1	0	0	97.9	98.4	0	98.2
Trucks	6	0	0	19	43	0	32	0	0	27	46	0	173
% Trucks	2.7	0	0	2	1.4	0	2.9	0	0	2.1	1.6	0	1.8

Start Time	Route 24 NB Ramps (WB) From North				Lindelof Avenue (Route 139) From East				Route 24 NB Ramps (EB) From South				Lindelof Avenue (Route 139) From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	24	0	0	24	78	275	0	353	121	0	0	121	113	264	0	377	875
05:00 PM	22	0	0	22	90	320	0	410	115	0	0	115	122	274	0	396	943
05:15 PM	32	0	0	32	94	313	0	407	96	0	0	96	143	270	0	413	948
05:30 PM	30	0	0	30	83	288	0	371	113	0	0	113	124	236	0	360	874
Total Volume	108	0	0	108	345	1196	0	1541	445	0	0	445	502	1044	0	1546	3640
% App. Total	100	0	0		22.4	77.6	0		100	0	0		32.5	67.5	0		
PIIF	.844	.000	.000	.844	.918	.934	.000	.940	.919	.000	.000	.919	.878	.953	.000	.936	.960
Cars	105	0	0	105	340	1182	0	1522	432	0	0	432	495	1026	0	1521	3580
% Cars	97.2	0	0	97.2	98.6	98.8	0	98.8	97.1	0	0	97.1	98.6	98.3	0	98.4	98.4
Trucks	3	0	0	3	5	14	0	19	13	0	0	13	7	18	0	25	60
% Trucks	2.8	0	0	2.8	1.4	1.2	0	1.2	2.9	0	0	2.9	1.4	1.7	0	1.6	1.6

Transportation Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Route 24 NB Ramps (Exit 20)

E/W: Lindelof Avenue (Route 139)

City/State: Stoughton, MA

Client: C&C/J. Morgan

File Name : 03885M

Site Code : 03885

Start Date : 12/4/2008

Page No : 1

Groups Printed- Trucks

Start Time	Route 24 NB Ramps (WB)			Lindelof Avenue (Route 139)			Route 24 NB Ramps (EB)			Lindelof Avenue (Route 139)			Int. Total
	From North			From East			From South			From West			
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	0	0	0	1	5	0	3	0	0	6	4	0	19
04:15 PM	2	0	0	1	5	0	4	0	0	5	5	0	22
04:30 PM	0	0	0	3	7	0	5	0	0	2	3	0	20
04:45 PM	1	0	0	1	3	0	4	0	0	3	3	0	15
Total	3	0	0	6	20	0	16	0	0	16	15	0	76
05:00 PM	1	0	0	2	6	0	5	0	0	1	6	0	21
05:15 PM	0	0	0	1	4	0	2	0	0	2	7	0	16
05:30 PM	1	0	0	1	1	0	2	0	0	1	2	0	8
05:45 PM	1	0	0	2	3	0	1	0	0	1	6	0	14
Total	3	0	0	6	14	0	10	0	0	5	21	0	59
06:00 PM	0	0	0	1	5	0	0	0	0	1	3	0	10
06:15 PM	0	0	0	5	3	0	0	0	0	2	3	0	13
06:30 PM	0	0	0	1	1	0	4	0	0	1	3	0	10
06:45 PM	0	0	0	0	0	0	2	0	0	2	1	0	5
Total	0	0	0	7	9	0	6	0	0	6	10	0	38
Grand Total	6	0	0	19	43	0	32	0	0	27	46	0	173
Apprch %	100	0	0	30.6	69.4	0	100	0	0	37	63	0	
Total %	3.5	0	0	11	24.9	0	18.5	0	0	15.6	26.6	0	

Start Time	Route 24 NB Ramps (WB)				Lindelof Avenue (Route 139)				Route 24 NB Ramps (EB)				Lindelof Avenue (Route 139)				Int. Total
	From North				From East				From South				From West				
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:15 PM																	
04:15 PM	2	0	0	2	1	5	0	6	4	0	0	4	5	5	0	10	22
04:30 PM	0	0	0	0	3	7	0	10	5	0	0	5	2	3	0	5	20
04:45 PM	1	0	0	1	1	3	0	4	4	0	0	4	3	3	0	6	15
05:00 PM	1	0	0	1	2	6	0	8	5	0	0	5	1	6	0	7	21
Total Volume	4	0	0	4	7	21	0	28	18	0	0	18	11	17	0	28	78
% App. Total	100	0	0		25	75	0		100	0	0		39.3	60.7	0		
PHF	.500	.000	.000	.500	.583	.750	.000	.700	.900	.000	.000	.900	.550	.708	.000	.700	.886

Transportation Data Corporation

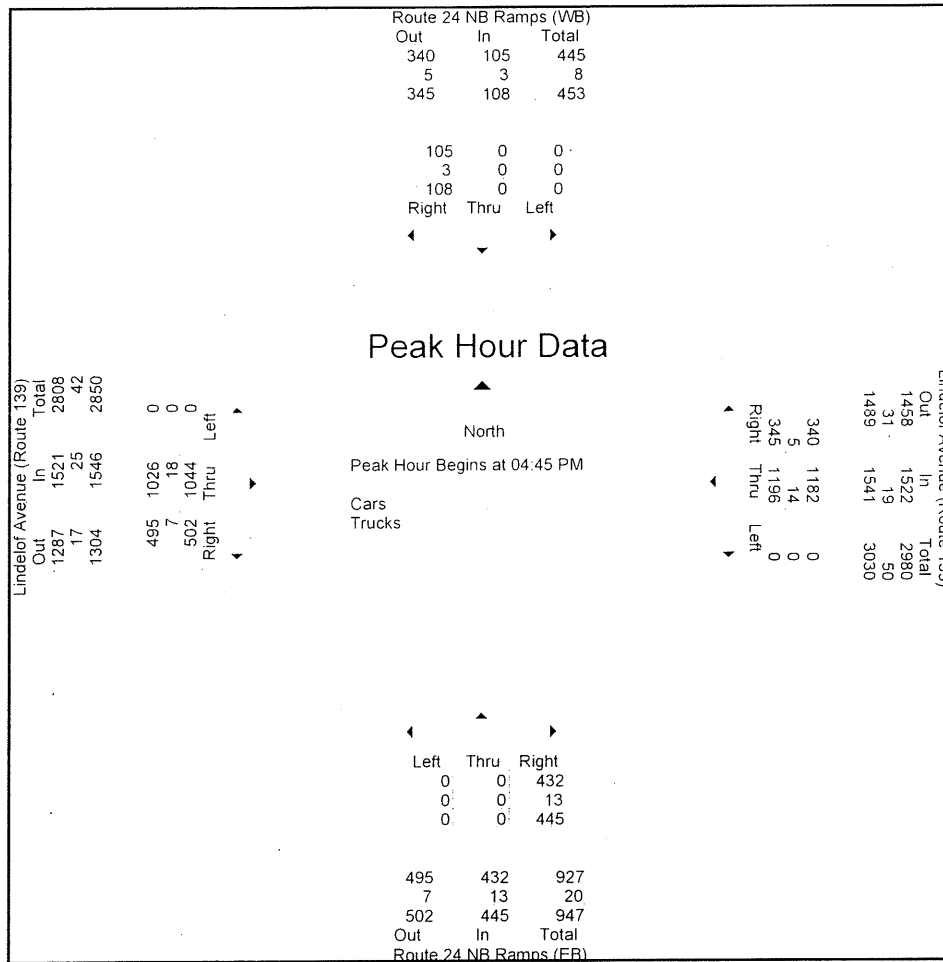
Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Route 24 NB Ramps (Exit 20)
 E/W: Lindelof Avenue (Route 139)
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885M
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Start Time	Route 24 NB Ramps (WB) From North				Lindelof Avenue (Route 139) From East				Route 24 NB Ramps (EB) From South				Lindelof Avenue (Route 139) From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:45 PM																	
04:45 PM	24	0	0	24	78	275	0	353	121	0	0	121	113	264	0	377	875
05:00 PM	22	0	0	22	90	320	0	410	115	0	0	115	122	274	0	396	943
05:15 PM	32	0	0	32	94	313	0	407	96	0	0	96	143	270	0	413	948
05:30 PM	30	0	0	30	83	288	0	371	113	0	0	113	124	236	0	360	874
Total Volume	108	0	0	108	345	1196	0	1541	445	0	0	445	502	1044	0	1546	3640
% App. Total	100	0	0		22.4	77.6	0		100	0	0		32.5	67.5	0		
PHF	.844	.000	.000	.844	.918	.934	.000	.940	.919	.000	.000	.919	.878	.953	.000	.936	.960
Cars	105	0	0	105	340	1182	0	1522	432	0	0	432	495	1026	0	1521	3580
% Cars	97.2	0	0	97.2	98.6	98.8	0	98.8	97.1	0	0	97.1	98.6	98.3	0	98.4	98.4
Trucks	3	0	0	3	5	14	0	19	13	0	0	13	7	18	0	25	60
% Trucks	2.8	0	0	2.8	1.4	1.2	0	1.2	2.9	0	0	2.9	1.4	1.7	0	1.6	1.6



Transportation Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Route 24 SB Ramps (Exit 20)
 E/W: Lindelof Avenue (Route 139)
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885N
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Route 24 SB Ramps (WB) From North			Lindelof Avenue (Route 139) From East			Route 24 SB Ramps (EB) From South			Lindelof Avenue (Route 139) From West			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	139	0	0	132	0	0	112	0	0	50	0	0	433
04:15 PM	140	0	0	152	0	0	94	0	0	50	0	0	436
04:30 PM	121	0	0	143	0	0	90	0	0	41	0	0	395
04:45 PM	130	0	0	141	0	0	97	0	0	44	0	0	412
Total	530	0	0	568	0	0	393	0	0	185	0	0	1676
05:00 PM	119	0	0	167	0	0	97	0	0	78	0	0	461
05:15 PM	125	0	0	172	0	0	128	0	0	59	0	0	484
05:30 PM	128	0	0	120	0	0	102	0	0	32	0	0	382
05:45 PM	131	0	0	117	0	0	112	0	0	31	0	0	391
Total	503	0	0	576	0	0	439	0	0	200	0	0	1718
06:00 PM	130	0	0	111	0	0	130	0	0	34	0	0	405
06:15 PM	131	0	0	101	0	0	103	0	0	24	0	0	359
06:30 PM	128	0	0	94	0	0	117	0	0	23	0	0	362
06:45 PM	109	0	0	102	0	0	87	0	0	19	0	0	317
Total	498	0	0	408	0	0	437	0	0	100	0	0	1443
Grand Total	1531	0	0	1552	0	0	1269	0	0	485	0	0	4837
Appreh %	100	0	0	100	0	0	100	0	0	100	0	0	
Total %	31.7	0	0	32.1	0	0	26.2	0	0	10	0	0	
Cars	1476	0	0	1534	0	0	1258	0	0	473	0	0	4741
% Cars	96.4	0	0	98.8	0	0	99.1	0	0	97.5	0	0	98
Trucks	55	0	0	18	0	0	11	0	0	12	0	0	96
% Trucks	3.6	0	0	1.2	0	0	0.9	0	0	2.5	0	0	2

Start Time	Route 24 SB Ramps (WB) From North				Lindelof Avenue (Route 139) From East				Route 24 SB Ramps (EB) From South				Lindelof Avenue (Route 139) From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	121	0	0	121	143	0	0	143	90	0	0	90	41	0	0	41	395
04:45 PM	130	0	0	130	141	0	0	141	97	0	0	97	44	0	0	44	412
05:00 PM	119	0	0	119	167	0	0	167	97	0	0	97	78	0	0	78	461
05:15 PM	125	0	0	125	172	0	0	172	128	0	0	128	59	0	0	59	484
Total Volume	495	0	0	495	623	0	0	623	412	0	0	412	222	0	0	222	1752
% App. Total	100	0	0	100	100	0	0	100	100	0	0	100	100	0	0	100	
PIIF	952	000	000	952	906	000	000	906	805	000	000	805	712	000	000	712	905
Cars	480	0	0	480	616	0	0	616	406	0	0	406	215	0	0	215	1717
% Cars	97.0	0	0	97.0	98.9	0	0	98.9	98.5	0	0	98.5	96.8	0	0	96.8	98.0
Trucks	15	0	0	15	7	0	0	7	6	0	0	6	7	0	0	7	35
% Trucks	3.0	0	0	3.0	1.1	0	0	1.1	1.5	0	0	1.5	3.2	0	0	3.2	2.0

Transportation Data Corporation

Mario Perone, mperone1@verizon.net

t (781) 587-0086 f (781) 587-0089

N/S: Route 24 SB Ramps (Exit 20)
 E/W: Lindelof Avenue (Route 139)
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885N
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Groups Printed- Trucks

Start Time	Route 24 SB Ramps (WB) From North			Lindelof Avenue (Route 139) From East			Route 24 SB Ramps (EB) From South			Lindelof Avenue (Route 139) From West			Int. Total
	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	
04:00 PM	4	0	0	4	0	0	0	0	0	1	0	0	9
04:15 PM	9	0	0	1	0	0	0	0	0	2	0	0	12
04:30 PM	6	0	0	4	0	0	1	0	0	3	0	0	14
04:45 PM	2	0	0	0	0	0	3	0	0	1	0	0	6
Total	21	0	0	9	0	0	4	0	0	7	0	0	41
05:00 PM	5	0	0	2	0	0	2	0	0	0	0	0	9
05:15 PM	2	0	0	1	0	0	0	0	0	3	0	0	6
05:30 PM	6	0	0	0	0	0	2	0	0	0	0	0	8
05:45 PM	5	0	0	2	0	0	0	0	0	0	0	0	7
Total	18	0	0	5	0	0	4	0	0	3	0	0	30
06:00 PM	8	0	0	2	0	0	2	0	0	1	0	0	13
06:15 PM	2	0	0	1	0	0	1	0	0	1	0	0	5
06:30 PM	5	0	0	1	0	0	0	0	0	0	0	0	6
06:45 PM	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	16	0	0	4	0	0	3	0	0	2	0	0	25
Grand Total	55	0	0	18	0	0	11	0	0	12	0	0	96
Approch %	100	0	0	100	0	0	100	0	0	100	0	0	
Total %	57.3	0	0	18.8	0	0	11.5	0	0	12.5	0	0	

Start Time	Route 24 SB Ramps (WB) From North				Lindelof Avenue (Route 139) From East				Route 24 SB Ramps (EB) From South				Lindelof Avenue (Route 139) From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:00 PM																	
04:00 PM	4	0	0	4	4	0	0	4	0	0	0	0	1	0	0	1	9
04:15 PM	9	0	0	9	1	0	0	1	0	0	0	0	2	0	0	2	12
04:30 PM	6	0	0	6	4	0	0	4	1	0	0	1	3	0	0	3	14
04:45 PM	2	0	0	2	0	0	0	0	3	0	0	3	1	0	0	1	6
Total Volume	21	0	0	21	9	0	0	9	4	0	0	4	7	0	0	7	41
% App. Total	100	0	0		100	0	0		100	0	0		100	0	0		
PHF	.583	.000	.000	.583	.563	.000	.000	.563	.333	.000	.000	.333	.583	.000	.000	.583	.732

Transportation Data Corporation

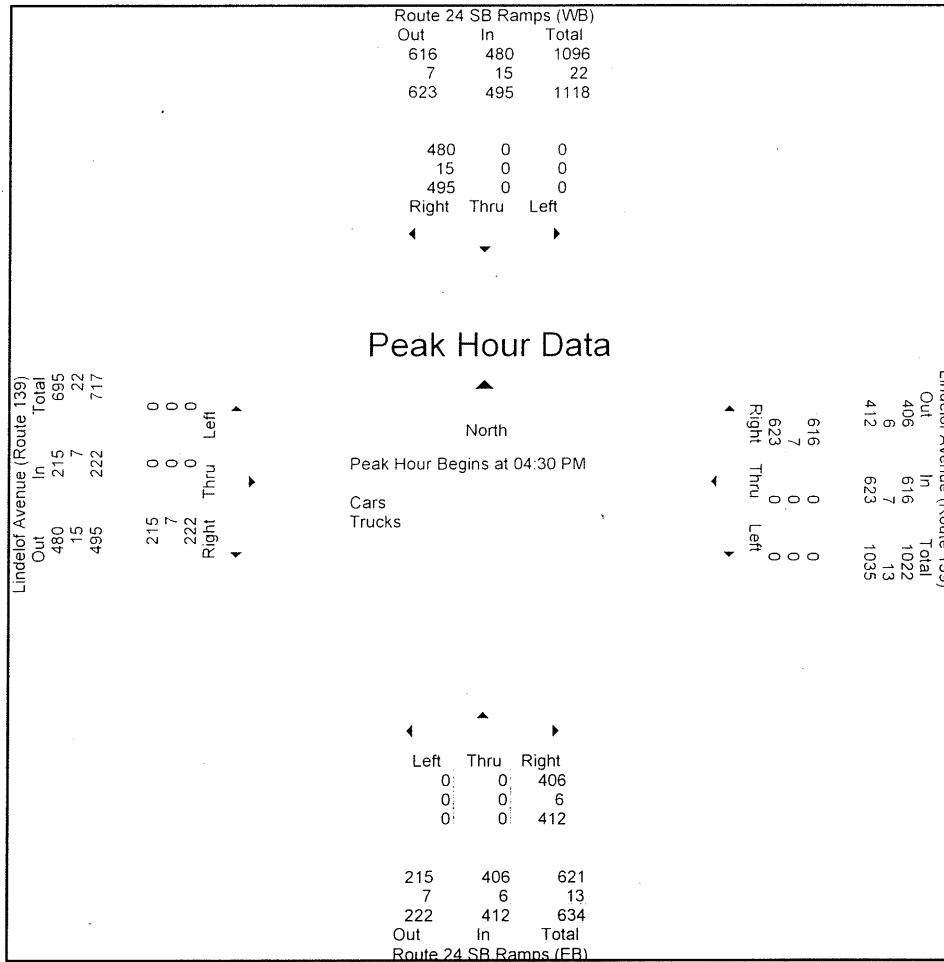
Mario Perone, mperone1@verizon.net

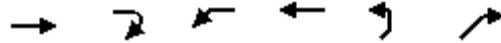
t (781) 587-0086 f (781) 587-0089

N/S: Route 24 SB Ramps (Exit 20)
 E/W: Lindelof Avenue (Route 139)
 City/State: Stoughton, MA
 Client: C&C/J. Morgan

File Name : 03885N
 Site Code : 03885
 Start Date : 12/4/2008
 Page No : 1

Start Time	Route 24 SB Ramps (WB) From North				Lindelof Avenue (Route 139) From East				Route 24 SB Ramps (EB) From South				Lindelof Avenue (Route 139) From West				Int. Total
	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	Right	Thru	Left	App. Total	
Peak Hour Analysis From 04:00 PM to 06:45 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	121	0	0	121	143	0	0	143	90	0	0	90	41	0	0	41	395
04:45 PM	130	0	0	130	141	0	0	141	97	0	0	97	44	0	0	44	412
05:00 PM	119	0	0	119	167	0	0	167	97	0	0	97	78	0	0	78	461
05:15 PM	125	0	0	125	172	0	0	172	128	0	0	128	59	0	0	59	484
Total Volume	495	0	0	495	623	0	0	623	412	0	0	412	222	0	0	222	1752
% App. Total	100	0	0	100	100	0	0	100	100	0	0	100	100	0	0	100	100
PIF	.952	.000	.000	.952	.906	.000	.000	.906	.805	.000	.000	.805	.712	.000	.000	.712	.905
Cars	480	0	0	480	616	0	0	616	406	0	0	406	215	0	0	215	1717
% Cars	97.0	0	0	97.0	98.9	0	0	98.9	98.5	0	0	98.5	96.8	0	0	96.8	98.0
Trucks	15	0	0	15	7	0	0	7	6	0	0	6	7	0	0	7	35
% Trucks	3.0	0	0	3.0	1.1	0	0	1.1	1.5	0	0	1.5	3.2	0	0	3.2	2.0

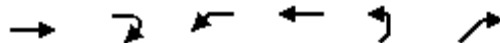




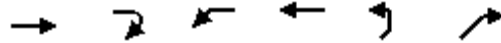
Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	945	0	0	0	0	392
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1027	0	0	0	0	426
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1027		1027	514
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1027		1027	514
tC, single (s)			4.1		7.0	7.1
tC, 2 stage (s)						
tF (s)			2.2		3.6	3.4
p0 queue free %			100		100	12
cM capacity (veh/h)			672		216	483

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	514	514	426
Volume Left	0	0	0
Volume Right	0	0	426
cSH	1700	1700	483
Volume to Capacity	0.30	0.30	0.88
Queue Length 95th (ft)	0	0	240
Control Delay (s)	0.0	0.0	46.5
Lane LOS			E
Approach Delay (s)	0.0		46.5
Approach LOS			E

Intersection Summary			
Average Delay		13.6	
Intersection Capacity Utilization	57.1%		ICU Level of Service B
Analysis Period (min)		15	



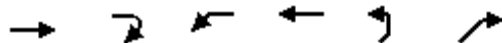
Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	1134	0	0	0	0	412
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1245	0	0	0	0	452
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1245		1245	622
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1245		1245	622
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			555		166	429
Direction, Lane #	EB 1	EB 2	NE 1			
Volume Total	622	622	452			
Volume Left	0	0	0			
Volume Right	0	0	452			
cSH	1700	1700	429			
Volume to Capacity	0.37	0.37	1.05			
Queue Length 95th (ft)	0	0	364			
Control Delay (s)	0.0	0.0	89.7			
Lane LOS			F			
Approach Delay (s)	0.0		89.7			
Approach LOS			F			
Intersection Summary						
Average Delay			23.9			
Intersection Capacity Utilization			64.1%		ICU Level of Service	C
Analysis Period (min)			15			



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	945	0	0	0	0	392
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1079	0	0	0	0	447
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1079		1079	539
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1079		1079	539
tC, single (s)			4.1		7.0	7.1
tC, 2 stage (s)						
tF (s)			2.2		3.6	3.4
p0 queue free %			100		100	4
cM capacity (veh/h)			642		199	464

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	539	539	447
Volume Left	0	0	0
Volume Right	0	0	447
cSH	1700	1700	464
Volume to Capacity	0.32	0.32	0.96
Queue Length 95th (ft)	0	0	299
Control Delay (s)	0.0	0.0	63.3
Lane LOS			F
Approach Delay (s)	0.0		63.3
Approach LOS			F

Intersection Summary			
Average Delay		18.5	
Intersection Capacity Utilization	59.6%		ICU Level of Service B
Analysis Period (min)		15	



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	1134	0	0	0	0	412
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1307	0	0	0	0	475
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1307		1307	653
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1307		1307	653
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			526		151	410

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	653	653	475
Volume Left	0	0	0
Volume Right	0	0	475
cSH	1700	1700	410
Volume to Capacity	0.38	0.38	1.16
Queue Length 95th (ft)	0	0	450
Control Delay (s)	0.0	0.0	126.0
Lane LOS			F
Approach Delay (s)	0.0		126.0
Approach LOS			F

Intersection Summary			
Average Delay		33.6	
Intersection Capacity Utilization	66.9%	ICU Level of Service	C
Analysis Period (min)		15	

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Dec-08

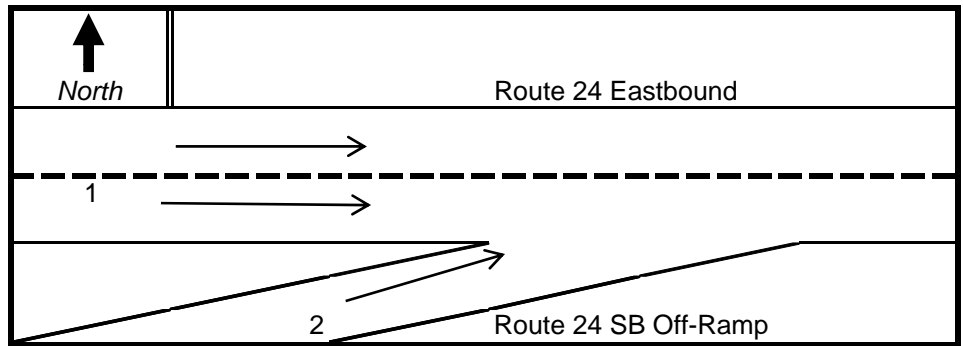
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Route 139 Eastbound

MINOR STREET(S) : Route 24 SB Off-Ramp To Route 139 Eastbound

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	NEB				
PEAK HOURLY VOLUMES (AM/PM) :	1,134	412				1,546

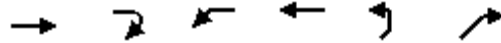
" K " FACTOR : INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :

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

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

Comments : _____

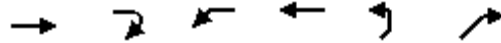
Project Title & Date: _____



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	847	0	0	0	0	617
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	921	0	0	0	0	671
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			921		921	460
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			921		921	460
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			737		270	548

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	460	460	671
Volume Left	0	0	0
Volume Right	0	0	671
cSH	1700	1700	548
Volume to Capacity	0.27	0.27	1.22
Queue Length 95th (ft)	0	0	632
Control Delay (s)	0.0	0.0	140.5
Lane LOS			F
Approach Delay (s)	0.0		140.5
Approach LOS			F

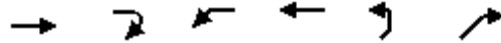
Intersection Summary			
Average Delay		59.2	
Intersection Capacity Utilization	68.3%	ICU Level of Service	C
Analysis Period (min)		15	



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	1044	0	0	0	0	445
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1146	0	0	0	0	489
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1146		1146	573
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1146		1146	573
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			605		193	462

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	573	573	489
Volume Left	0	0	0
Volume Right	0	0	489
cSH	1700	1700	462
Volume to Capacity	0.34	0.34	1.06
Queue Length 95th (ft)	0	0	382
Control Delay (s)	0.0	0.0	87.6
Lane LOS			F
Approach Delay (s)	0.0		87.6
Approach LOS			F

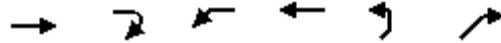
Intersection Summary			
Average Delay		26.2	
Intersection Capacity Utilization	63.6%	ICU Level of Service	B
Analysis Period (min)		15	



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	847	0	0	0	0	617
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	967	0	0	0	0	704
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			967		967	483
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			967		967	483
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			708		252	529

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	483	483	704
Volume Left	0	0	0
Volume Right	0	0	704
cSH	1700	1700	529
Volume to Capacity	0.28	0.28	1.33
Queue Length 95th (ft)	0	0	763
Control Delay (s)	0.0	0.0	184.1
Lane LOS			F
Approach Delay (s)	0.0		184.1
Approach LOS			F

Intersection Summary			
Average Delay		77.6	
Intersection Capacity Utilization		71.4%	ICU Level of Service C
Analysis Period (min)		15	



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑					↑
Sign Control	Free			Free	Yield	
Grade	0%			0%	0%	
Volume (veh/h)	1044	0	0	0	0	445
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	1203	0	0	0	0	513
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			1203		1203	601
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			1203		1203	601
tC, single (s)			4.1		6.8	6.9
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		100	0
cM capacity (veh/h)			576		177	443

Direction, Lane #	EB 1	EB 2	NE 1
Volume Total	601	601	513
Volume Left	0	0	0
Volume Right	0	0	513
cSH	1700	1700	443
Volume to Capacity	0.35	0.35	1.16
Queue Length 95th (ft)	0	0	472
Control Delay (s)	0.0	0.0	122.5
Lane LOS			F
Approach Delay (s)	0.0		122.5
Approach LOS			F

Intersection Summary			
Average Delay		36.6	
Intersection Capacity Utilization	66.5%	ICU Level of Service	C
Analysis Period (min)		15	

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Dec-08

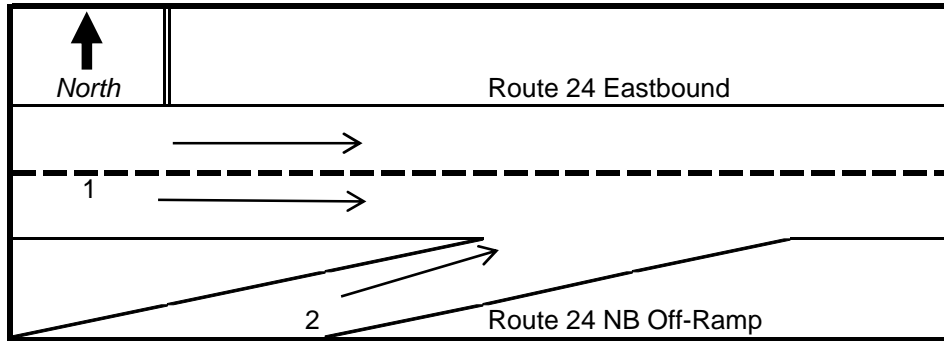
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Route 139 Eastbound

MINOR STREET(S) : Route 24 NB Off-Ramp To Route 139 Eastbound

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	NEB				
PEAK HOURLY VOLUMES (AM/PM) :	1,044	445				1,489

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

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

CRASH RATE CALCULATION :

1.05

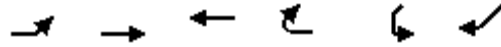
$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____

HCM Unsignalized Intersection Capacity Analysis
 7: Route 139 Westbound & Route 24 NB Off-Ramp

2009 Existing AM Peak Hour LOS



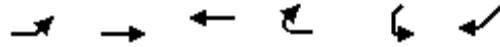
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	614	0	0	213
Peak Hour Factor	0.92	0.92	0.94	0.94	0.94	0.94
Hourly flow rate (vph)	0	0	653	0	0	227
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	653				653	327
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	653				653	327
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	66
cM capacity (veh/h)	930				400	669

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	327	327	227
Volume Left	0	0	0
Volume Right	0	0	227
cSH	1700	1700	669
Volume to Capacity	0.19	0.19	0.34
Queue Length 95th (ft)	0	0	37
Control Delay (s)	0.0	0.0	13.1
Lane LOS			B
Approach Delay (s)	0.0		13.1
Approach LOS			B

Intersection Summary			
Average Delay		3.4	
Intersection Capacity Utilization	36.8%	ICU Level of Service	A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 7: Route 139 Westbound & Route 24 NB Off-Ramp

2009 Existing PM Peak Hour LOS



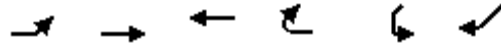
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	1196	0	0	108
Peak Hour Factor	0.92	0.92	0.94	0.94	0.94	0.94
Hourly flow rate (vph)	0	0	1285	0	0	116
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1285				1285	643
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1285				1285	643
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	72
cM capacity (veh/h)	536				156	416

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	643	643	116
Volume Left	0	0	0
Volume Right	0	0	116
cSH	1700	1700	416
Volume to Capacity	0.38	0.38	0.28
Queue Length 95th (ft)	0	0	28
Control Delay (s)	0.0	0.0	17.0
Lane LOS			C
Approach Delay (s)	0.0		17.0
Approach LOS			C

Intersection Summary			
Average Delay		1.4	
Intersection Capacity Utilization	47.9%	ICU Level of Service	A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 7: Route 139 Westbound & Route 24 NB Off-Ramp

Forecast 2014 AM Peak Hour LOS



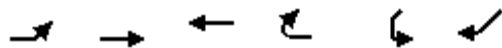
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↑
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	614	0	0	213
Peak Hour Factor	0.92	0.92	0.94	0.94	0.94	0.94
Hourly flow rate (vph)	0	0	686	0	0	238
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	686				686	343
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	686				686	343
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	64
cM capacity (veh/h)	904				381	653

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	343	343	238
Volume Left	0	0	0
Volume Right	0	0	238
cSH	1700	1700	653
Volume to Capacity	0.20	0.20	0.36
Queue Length 95th (ft)	0	0	42
Control Delay (s)	0.0	0.0	13.6
Lane LOS			B
Approach Delay (s)	0.0		13.6
Approach LOS			B

Intersection Summary			
Average Delay		3.5	
Intersection Capacity Utilization	38.3%	ICU Level of Service	A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 7: Route 139 Westbound & Route 24 NB Off-Ramp

Forecast 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↑
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	1196	0	0	108
Peak Hour Factor	0.92	0.92	0.94	0.94	0.94	0.94
Hourly flow rate (vph)	0	0	1349	0	0	122
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1349				1349	674
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1349				1349	674
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	69
cM capacity (veh/h)	506				142	397
Direction, Lane #	WB 1	WB 2	SW 1			
Volume Total	674	674	122			
Volume Left	0	0	0			
Volume Right	0	0	122			
cSH	1700	1700	397			
Volume to Capacity	0.40	0.40	0.31			
Queue Length 95th (ft)	0	0	32			
Control Delay (s)	0.0	0.0	18.0			
Lane LOS			C			
Approach Delay (s)	0.0		18.0			
Approach LOS			C			
Intersection Summary						
Average Delay			1.5			
Intersection Capacity Utilization			50.1%		ICU Level of Service	A
Analysis Period (min)			15			

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Dec-08

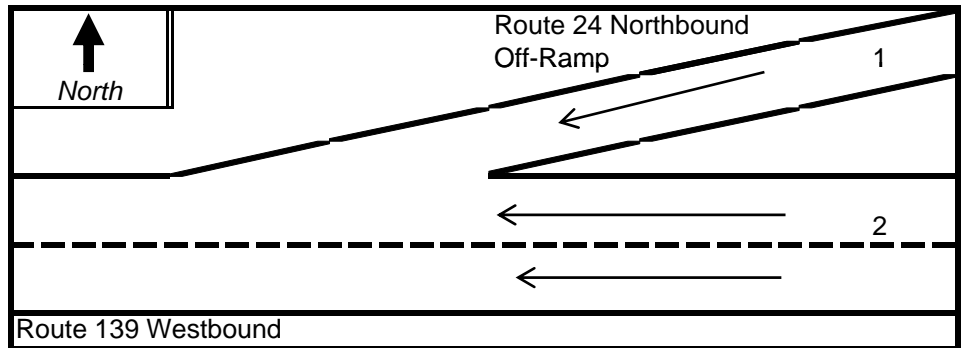
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Route 139 Westbound

MINOR STREET(S) : Route 24 NB Off-Ramp To Route 139 Westbound

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	WB	SWB				
PEAK HOURLY VOLUMES (AM/PM) :	1,196	108				1,304

" K " FACTOR : **0.090** INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME : **14,489**

TOTAL # OF CRASHES : **5** # OF YEARS : **3** AVERAGE # OF CRASHES PER YEAR (A) : **1.67**

CRASH RATE CALCULATION :

0.32

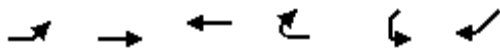
$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : _____

Project Title & Date: _____

HCM Unsignalized Intersection Capacity Analysis
 5: Route 139 Westbound & Route 24 SB Off-Ramp

2009 Existing AM Peak Hour LOS



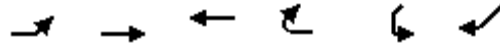
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	578	0	0	319
Peak Hour Factor	0.95	0.95	0.71	0.71	0.95	0.95
Hourly flow rate (vph)	0	0	814	0	0	336
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	814				814	407
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	814				814	407
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	43
cM capacity (veh/h)	809				316	593

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	407	407	336
Volume Left	0	0	0
Volume Right	0	0	336
cSH	1700	1700	593
Volume to Capacity	0.24	0.24	0.57
Queue Length 95th (ft)	0	0	88
Control Delay (s)	0.0	0.0	18.7
Lane LOS			C
Approach Delay (s)	0.0		18.7
Approach LOS			C

Intersection Summary			
Average Delay		5.5	
Intersection Capacity Utilization	42.4%		ICU Level of Service A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 5: Route 139 Westbound & Route 24 SB Off-Ramp

2009 Existing PM Peak Hour LOS



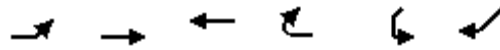
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	781	0	0	495
Peak Hour Factor	0.95	0.95	0.71	0.71	0.95	0.95
Hourly flow rate (vph)	0	0	1111	0	0	526
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)			618			
pX, platoon unblocked						
vC, conflicting volume	1111				1111	556
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1111				1111	556
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	0
cM capacity (veh/h)	624				203	475

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	556	556	526
Volume Left	0	0	0
Volume Right	0	0	526
cSH	1700	1700	475
Volume to Capacity	0.33	0.33	1.11
Queue Length 95th (ft)	0	0	441
Control Delay (s)	0.0	0.0	103.0
Lane LOS			F
Approach Delay (s)	0.0		103.0
Approach LOS			F

Intersection Summary			
Average Delay		33.1	
Intersection Capacity Utilization	59.4%	ICU Level of Service	B
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 5: Route 139 Westbound & Route 24 SB Off-Ramp

Forecast 2014 AM Peak Hour LOS



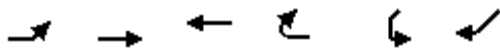
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	578	0	0	319
Peak Hour Factor	0.95	0.95	0.71	0.71	0.95	0.95
Hourly flow rate (vph)	0	0	855	0	0	353
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	855				855	427
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	855				855	427
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	39
cM capacity (veh/h)	781				297	576

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	427	427	353
Volume Left	0	0	0
Volume Right	0	0	353
cSH	1700	1700	576
Volume to Capacity	0.25	0.25	0.61
Queue Length 95th (ft)	0	0	103
Control Delay (s)	0.0	0.0	20.6
Lane LOS			C
Approach Delay (s)	0.0		20.6
Approach LOS			C

Intersection Summary			
Average Delay		6.0	
Intersection Capacity Utilization	44.2%	ICU Level of Service	A
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 5: Route 139 Westbound & Route 24 SB Off-Ramp

Forecast 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑			↗
Sign Control		Free	Free		Yield	
Grade		0%	0%		0%	
Volume (veh/h)	0	0	781	0	0	495
Peak Hour Factor	0.95	0.95	0.71	0.71	0.95	0.95
Hourly flow rate (vph)	0	0	1166	0	0	552
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1166				1166	583
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1166				1166	583
tC, single (s)	4.1				6.8	6.9
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	0
cM capacity (veh/h)	595				187	456

Direction, Lane #	WB 1	WB 2	SW 1
Volume Total	583	583	552
Volume Left	0	0	0
Volume Right	0	0	552
cSH	1700	1700	456
Volume to Capacity	0.34	0.34	1.21
Queue Length 95th (ft)	0	0	541
Control Delay (s)	0.0	0.0	141.8
Lane LOS			F
Approach Delay (s)	0.0		141.8
Approach LOS			F

Intersection Summary			
Average Delay		45.6	
Intersection Capacity Utilization	62.0%		ICU Level of Service B
Analysis Period (min)		15	

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Dec-08

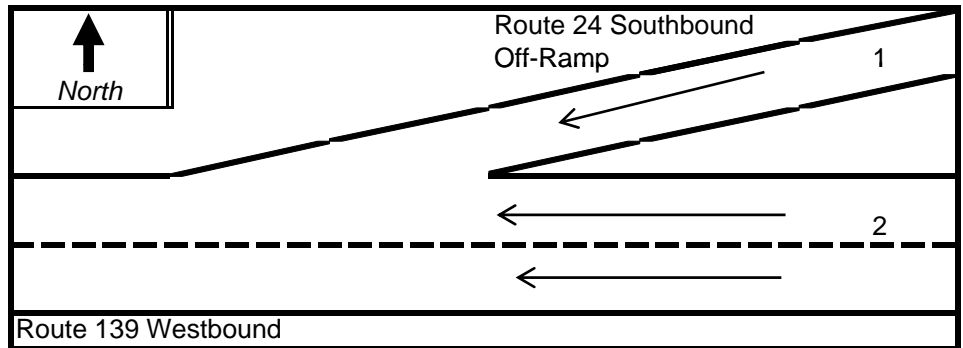
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Route 139 Westbound

MINOR STREET(S) : Route 24 SB Off-Ramp To Route 139 Westbound

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	WB	SWB				
PEAK HOURLY VOLUMES (AM/PM) :	781	495				1,276

" K " FACTOR : **0.090** INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME : **14,178**

TOTAL # OF CRASHES : **2** # OF YEARS : **3** AVERAGE # OF CRASHES PER YEAR (A) : **0.67**

CRASH RATE CALCULATION :

0.13

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

Comments : _____

Project Title & Date: _____



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

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (4)
 Staff: KW

File Name : 285_Lindelof(139)&Kay_AM
 Site Code : 285
 Start Date : 12/10/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

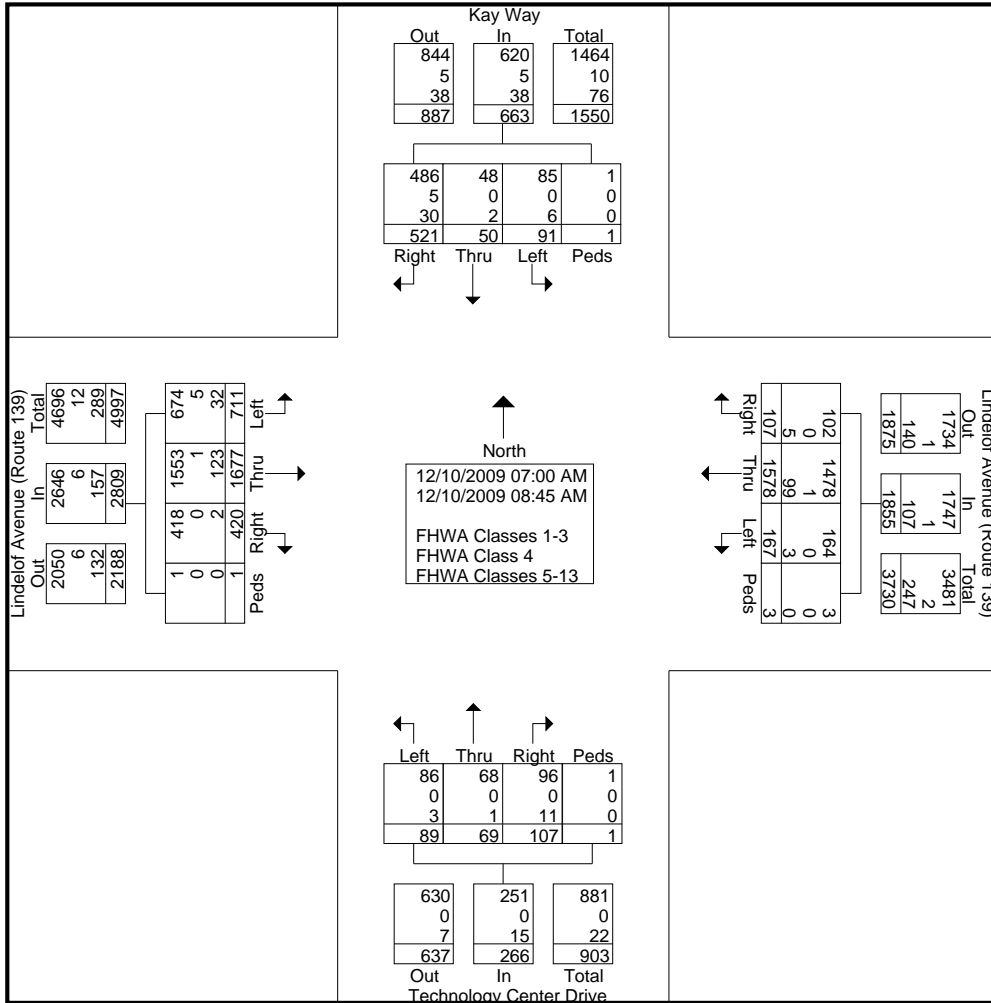
Start Time	Kay Way Southbound					Lindelof Avenue (Route 139) Westbound					Technology Center Drive Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	6	7	47	0	60	27	194	16	0	237	15	7	17	0	39	72	201	68	0	341	677
07:15 AM	14	5	60	0	79	14	194	13	0	221	15	16	6	0	37	63	175	41	0	279	616
07:30 AM	7	8	103	0	118	20	230	8	0	258	16	8	15	0	39	92	194	58	0	344	759
07:45 AM	13	6	64	0	83	13	204	9	3	229	7	16	19	1	43	94	224	59	0	377	732
Total	40	26	274	0	340	74	822	46	3	945	53	47	57	1	158	321	794	226	0	1341	2784
08:00 AM	9	7	91	0	107	32	199	15	0	246	16	6	14	0	36	116	241	61	1	419	808
08:15 AM	16	6	36	0	58	24	172	14	0	210	9	9	10	0	28	96	205	46	0	347	643
08:30 AM	13	6	49	1	69	17	196	14	0	227	5	5	14	0	24	84	210	52	0	346	666
08:45 AM	13	5	71	0	89	20	189	18	0	227	6	2	12	0	20	94	227	35	0	356	692
Total	51	24	247	1	323	93	756	61	0	910	36	22	50	0	108	390	883	194	1	1468	2809
Grand Total	91	50	521	1	663	167	1578	107	3	1855	89	69	107	1	266	711	1677	420	1	2809	5593
Apprch %	13.7	7.5	78.6	0.2		9	85.1	5.8	0.2		33.5	25.9	40.2	0.4		25.3	59.7	15	0		
Total %	1.6	0.9	9.3	0	11.9	3	28.2	1.9	0.1	33.2	1.6	1.2	1.9	0	4.8	12.7	30	7.5	0	50.2	
FHWA Classes 1-3	85	48	486	1	620	164	1478	102	3	1747	86	68	96	1	251	674	1553	418	1	2646	5264
% FHWA Classes 1-3	93.4	96	93.3	100	93.5	98.2	93.7	95.3	100	94.2	96.6	98.6	89.7	100	94.4	94.8	92.6	99.5	100	94.2	94.1
FHWA Class 4	0	0	5	0	5	0	1	0	0	1	0	0	0	0	0	5	1	0	0	6	12
% FHWA Class 4	0	0	1	0	0.8	0	0.1	0	0	0.1	0	0	0	0	0	0.7	0.1	0	0	0.2	0.2
FHWA Classes 5-13	6	2	30	0	38	3	99	5	0	107	3	1	11	0	15	32	123	2	0	157	317
% FHWA Classes 5-13	6.6	4	5.8	0	5.7	1.8	6.3	4.7	0	5.8	3.4	1.4	10.3	0	5.6	4.5	7.3	0.5	0	5.6	5.7



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

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (4)
 Staff: KW

File Name : 285_Lindelof(139)&Kay_AM
 Site Code : 285
 Start Date : 12/10/2009
 Page No : 2

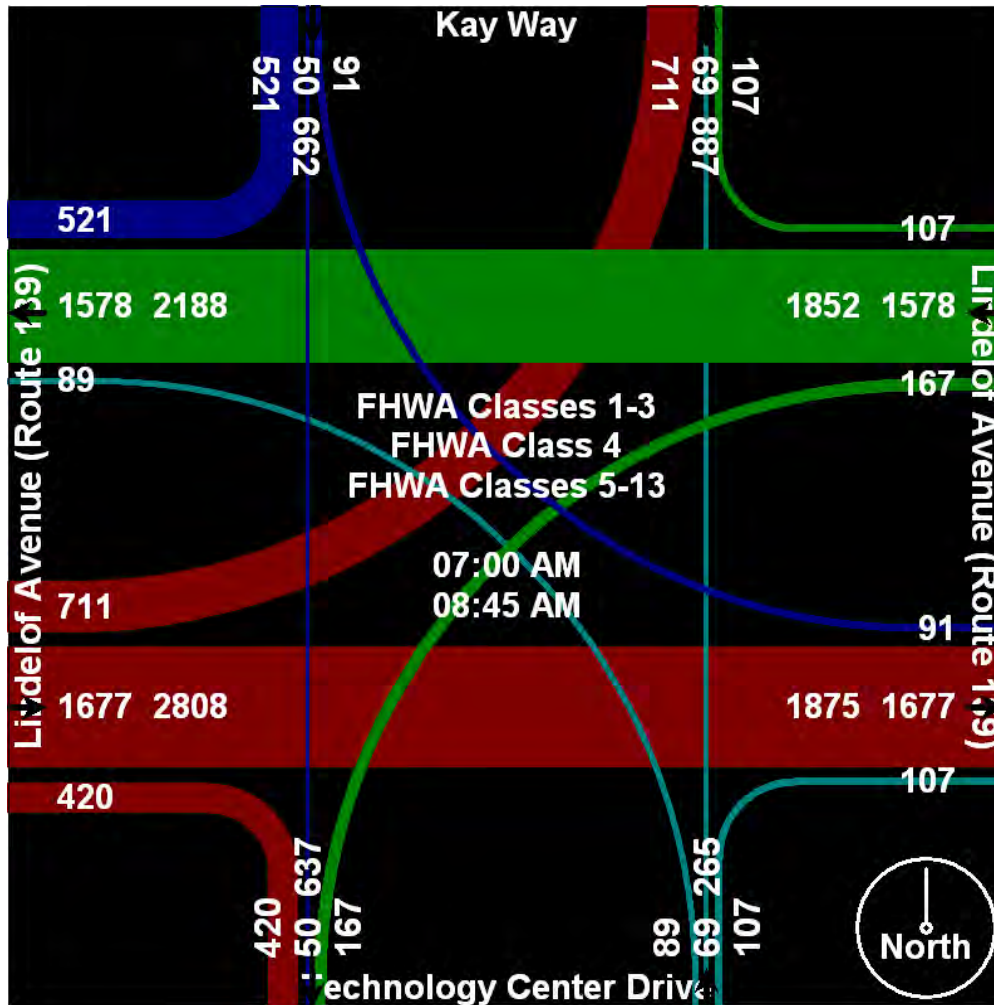




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File Name : 285_Lindelof(139)&Kay_AM
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 Start Date : 12/10/2009
 Page No : 3



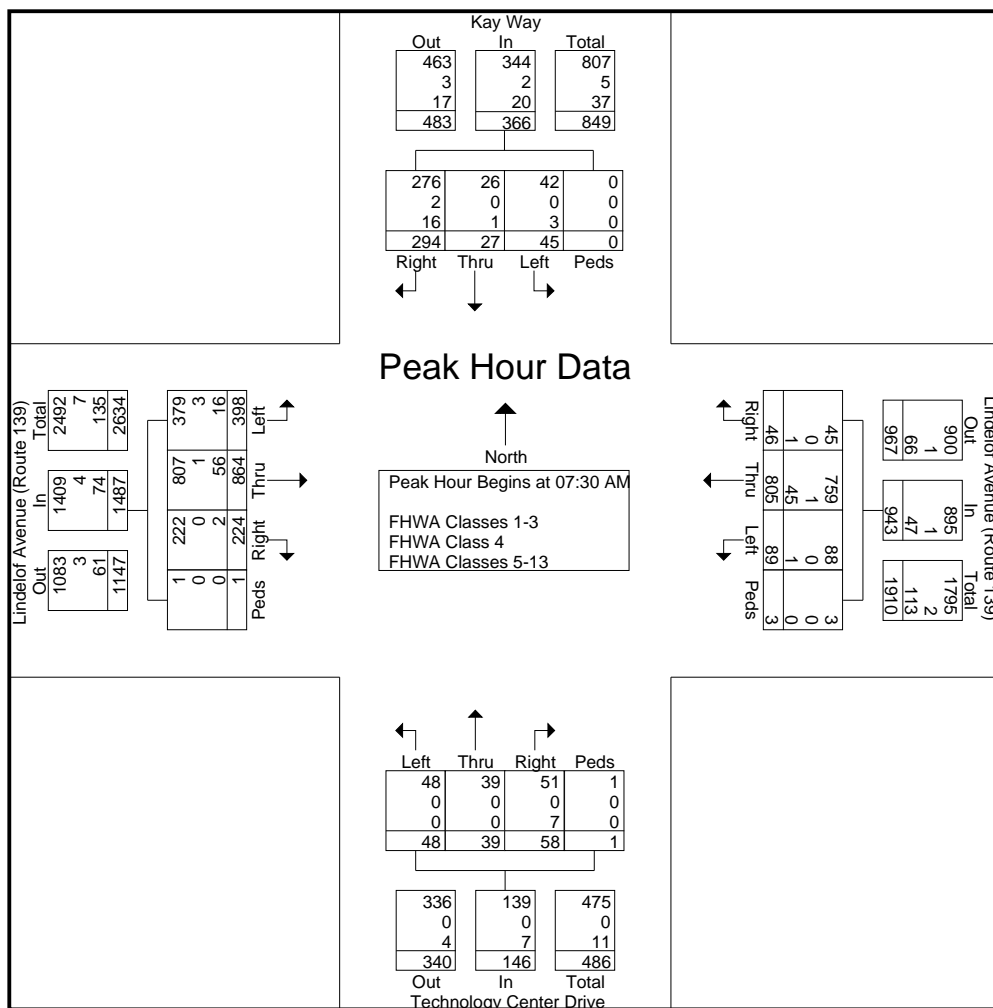


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File Name : 285_Lindelof(139)&Kay_AM
 Site Code : 285
 Start Date : 12/10/2009
 Page No : 4

Start Time	Kay Way Southbound					Lindelof Avenue (Route 139) Westbound					Technology Center Drive Northbound					Lindelof Avenue (Route 139) Eastbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:30 AM																						
07:30 AM	7	8	103	0	118	20	230	8	0	258	16	8	15	0	39	92	194	58	0	344	759	
07:45 AM	13	6	64	0	83	13	204	9	3	229	7	16	19	1	43	94	224	59	0	377	732	
08:00 AM	9	7	91	0	107	32	199	15	0	246	16	6	14	0	36	116	241	61	1	419	808	
08:15 AM	16	6	36	0	58	24	172	14	0	210	9	9	10	0	28	96	205	46	0	347	643	
Total Volume	45	27	294	0	366	89	805	46	3	943	48	39	58	1	146	398	864	224	1	1487	2942	
% App. Total	12.3	7.4	80.3	0		9.4	85.4	4.9	0.3		32.9	26.7	39.7	0.7		26.8	58.1	15.1	0.1			
PHF	.703	.844	.714	.000	.775	.695	.875	.767	.250	.914	.750	.609	.763	.250	.849	.858	.896	.918	.250	.887	.910	
FHWA Classes 1-3	42	26	276	0	344	88	759	45	3	895	48	39	51	1	139	379	807	222	1	1409	2787	
% FHWA Classes 1-3	93.3	96.3	93.9	0	94.0	98.9	94.3	97.8	100	94.9	100	100	87.9	100	95.2	95.2	93.4	99.1	100	94.8	94.7	
FHWA Class 4	0	0	2	0	2	0	1	0	0	1	0	0	0	0	0	3	1	0	0	0	4	7
% FHWA Class 4	0	0	0.7	0	0.5	0	0.1	0	0	0.1	0	0	0	0	0	0.8	0.1	0	0	0.3	0.2	
FHWA Classes 5-13	3	1	16	0	20	1	45	1	0	47	0	0	7	0	7	16	56	2	0	74	148	
% FHWA Classes 5-13	6.7	3.7	5.4	0	5.5	1.1	5.6	2.2	0	5.0	0	0	12.1	0	4.8	4.0	6.5	0.9	0	5.0	5.0	

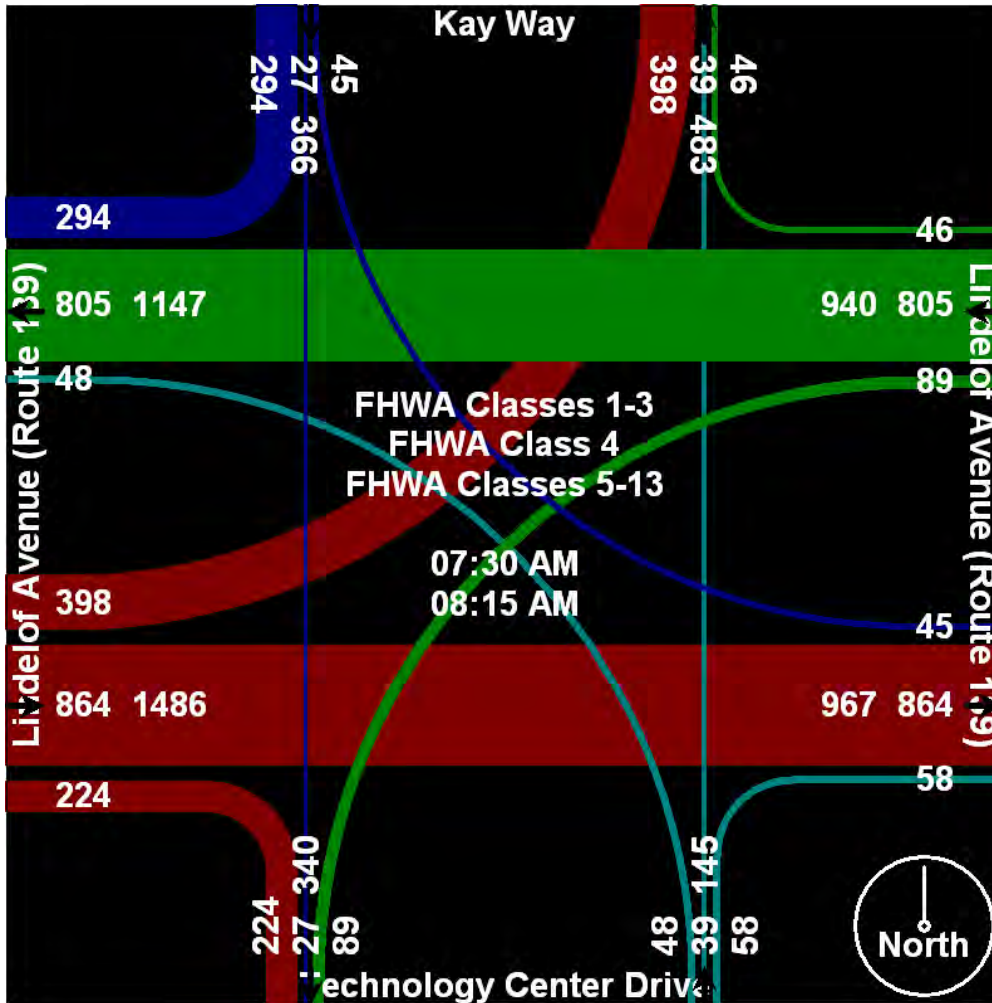




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Stoughton
 Weather: Clear
 Board #: DB-400 (4)
 Staff: KW

File Name : 285_Lindelof(139)&Kay_AM
 Site Code : 285
 Start Date : 12/10/2009
 Page No : 5



TRANSDATA SERVICES

66 Pleasant Street, Suite 3

Newburyport, MA 01950

978 463-2029 Fax 978 463-2043

City/Town:STOUGHTON

Client :GPI

Location :RTE 139/TECH. CTR DR

File Name : 28508251

Site Code : 28508251

Start Date : 8/25/2009

Page No : 1

Groups Printed- AUTOS - TRUCKS

Start Time	KAY WAY From North				ROUTE 139 From East				TECH. CTR. DR From South				ROUTE 139 From West				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	U Turn	
04:00 PM	82	10	11	0	9	213	28	0	43	15	73	0	50	202	55	4	795
04:15 PM	91	13	10	0	7	198	21	0	44	5	41	0	44	233	52	2	761
04:30 PM	100	16	16	0	7	200	26	0	55	15	66	0	38	215	59	2	815
04:45 PM	96	9	12	0	7	269	34	0	38	4	67	0	46	247	58	3	890
Total	369	48	49	0	30	880	109	0	180	39	247	0	178	897	224	11	3261
05:00 PM	119	16	19	0	4	269	31	0	50	2	76	0	37	247	76	1	947
05:15 PM	105	16	16	0	6	281	44	0	53	6	64	0	53	232	65	2	943
05:30 PM	125	7	13	0	4	237	39	0	34	12	69	0	43	236	45	1	865
05:45 PM	120	8	12	0	3	239	35	0	30	8	70	0	47	239	48	1	860
Total	469	47	60	0	17	1026	149	0	167	28	279	0	180	954	234	5	3615
Grand Total	838	95	109	0	47	1906	258	0	347	67	526	0	358	1851	458	16	6876
Apprch %	80.4	9.1	10.5	0	2.1	86.2	11.7	0	36.9	7.1	56	0	13.3	69	17.1	0.6	
Total %	12.2	1.4	1.6	0	0.7	27.7	3.8	0	5	1	7.6	0	5.2	26.9	6.7	0.2	
AUTOS	813	94	108	0	46	1856	256	0	343	67	522	0	353	1799	433	16	6706
% AUTOS	97	98.9	99.1	0	97.9	97.4	99.2	0	98.8	100	99.2	0	98.6	97.2	94.5	100	97.5
TRUCKS	25	1	1	0	1	50	2	0	4	0	4	0	5	52	25	0	170
% TRUCKS	3	1.1	0.9	0	2.1	2.6	0.8	0	1.2	0	0.8	0	1.4	2.8	5.5	0	2.5

TRANSDATA SERVICES

66 Pleasant Street, Suite 3

Newburyport, MA 01950

978 463-2029 Fax 978 463-2043

City/Town: STOUGHTON

Client : GPI

Location : RTE 139/TECH. CTR DR

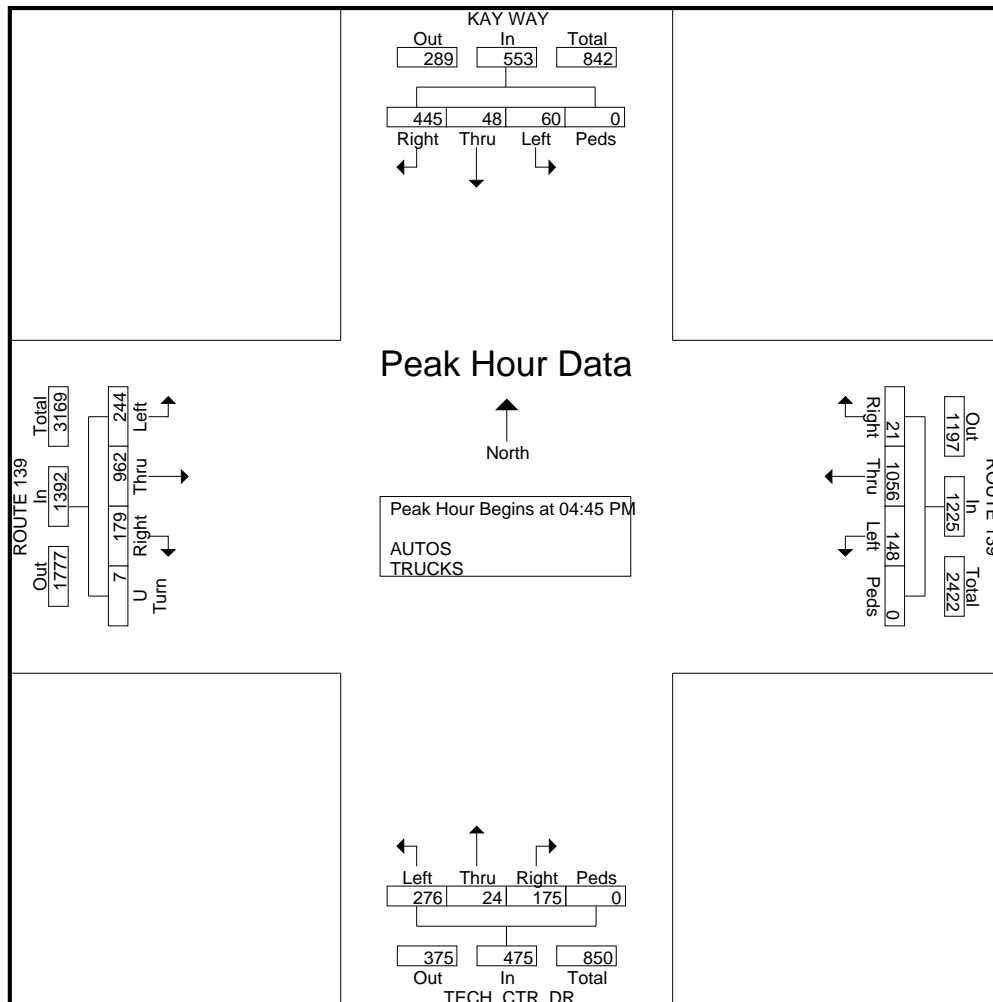
File Name : 28508251

Site Code : 28508251

Start Date : 8/25/2009

























Page No : 2

Start Time	KAY WAY From North					ROUTE 139 From East					TECH. CTR. DR From South					ROUTE 139 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	U Turn	App. Total	
Peak Hour Analysis From 04:00 PM to 05:30 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	96	9	12	0	117	7	269	34	0	310	38	4	67	0	109	46	247	58	3	354	890
05:00 PM	119	16	19	0	154	4	269	31	0	304	50	2	76	0	128	37	247	76	1	361	947
05:15 PM	105	16	16	0	137	6	281	44	0	331	53	6	64	0	123	53	232	65	2	352	943
05:30 PM	125	7	13	0	145	4	237	39	0	280	34	12	69	0	115	43	236	45	1	325	865
Total Volume	445	48	60	0	553	21	1056	148	0	1225	175	24	276	0	475	179	962	244	7	1392	3645
% App. Total	80.5	8.7	10.8	0		1.7	86.2	12.1	0		36.8	5.1	58.1	0		12.9	69.1	17.5	0.5		
PHF	.890	.750	.789	.000	.898	.750	.940	.841	.000	.925	.825	.500	.908	.000	.928	.844	.974	.803	.583	.964	.962



























HCM Signalized Intersection Capacity Analysis
 3: Lindelof Avenue (Route 139) & Kay Way

2009 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 							
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.99	1.00		0.97	1.00
Satd. Flow (prot)	1719	3438	1538	1719	3410		1633	1694	1538		1738	1524
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.56	0.91	1.00		0.78	1.00
Satd. Flow (perm)	1719	3438	1538	1719	3410		970	1559	1538		1394	1524
Volume (vph)	398	864	224	89	805	46	48	39	58	45	27	294
Peak-hour factor, PHF	0.89	0.89	0.89	0.91	0.91	0.91	0.85	0.85	0.85	0.37	0.37	0.37
Adj. Flow (vph)	447	971	252	98	885	51	56	46	68	122	73	795
RTOR Reduction (vph)	0	0	139	0	5	0	0	0	47	0	0	334
Lane Group Flow (vph)	447	971	113	98	931	0	37	65	21	0	195	461
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%	5%	5%	5%	6%	6%	6%
Turn Type	Prot		Perm	Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2				6
Permitted Phases			4				2		2	6		6
Actuated Green, G (s)	21.0	36.2	36.2	7.6	22.8		25.0	25.0	25.0		25.0	25.0
Effective Green, g (s)	21.0	36.2	36.2	7.6	22.8		25.0	25.0	25.0		25.0	25.0
Actuated g/C Ratio	0.26	0.45	0.45	0.09	0.28		0.31	0.31	0.31		0.31	0.31
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	447	1540	689	162	962		300	482	476		431	472
v/s Ratio Prot	c0.26	0.28		0.06	c0.27							
v/s Ratio Perm			0.07				0.04	0.04	0.01		0.14	c0.30
v/c Ratio	1.00	0.63	0.16	0.60	0.97		0.12	0.13	0.04		0.45	0.98
Uniform Delay, d1	29.9	17.2	13.3	35.2	28.6		20.0	20.1	19.5		22.4	27.6
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	42.6	0.8	0.1	6.2	21.3		0.8	0.6	0.2		3.4	36.2
Delay (s)	72.5	18.0	13.4	41.4	49.9		20.9	20.7	19.7		25.8	63.9
Level of Service	E	B	B	D	D		C	C	B		C	E
Approach Delay (s)		31.9			49.1			20.3			56.4	
Approach LOS		C			D			C			E	
Intersection Summary												
HCM Average Control Delay			42.3			HCM Level of Service					D	
HCM Volume to Capacity ratio			0.98									
Actuated Cycle Length (s)			80.8			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			66.3%			ICU Level of Service					C	
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis
 3: Lindelof Avenue (Route 139) & Kay Way

2009 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 							
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.97	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3529		1681	1698	1583		1812	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.68	0.68	1.00		0.77	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3529		1203	1198	1583		1437	1583
Volume (vph)	244	962	179	148	1056	21	270	24	175	60	48	445
Peak-hour factor, PHF	0.96	0.96	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.90	0.90	0.90
Adj. Flow (vph)	254	1002	186	159	1135	23	290	26	188	67	53	494
RTOR Reduction (vph)	0	0	108	0	2	0	0	0	137	0	0	207
Lane Group Flow (vph)	254	1002	78	159	1156	0	145	171	51	0	120	287
Turn Type	Prot		Perm	Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2				6
Permitted Phases			4				2		2	6		6
Actuated Green, G (s)	11.5	27.3	27.3	7.9	23.7		17.8	17.8	17.8		17.8	17.8
Effective Green, g (s)	11.5	27.3	27.3	7.9	23.7		17.8	17.8	17.8		17.8	17.8
Actuated g/C Ratio	0.18	0.42	0.42	0.12	0.36		0.27	0.27	0.27		0.27	0.27
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	313	1486	665	215	1287		329	328	433		394	433
v/s Ratio Prot	c0.14	c0.28		0.09	c0.33							
v/s Ratio Perm			0.05				0.12	0.14	0.03		0.08	c0.18
v/c Ratio	0.81	0.67	0.12	0.74	0.90		0.44	0.52	0.12		0.30	0.66
Uniform Delay, d1	25.7	15.3	11.5	27.6	19.5		19.5	20.0	17.7		18.7	20.9
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	14.7	1.2	0.1	12.5	8.6		4.2	5.8	0.6		2.0	7.8
Delay (s)	40.4	16.5	11.6	40.1	28.1		23.7	25.8	18.3		20.7	28.7
Level of Service	D	B	B	D	C		C	C	B		C	C
Approach Delay (s)		20.1			29.5			22.4			27.1	
Approach LOS		C			C			C			C	
Intersection Summary												
HCM Average Control Delay			24.7			HCM Level of Service					C	
HCM Volume to Capacity ratio			0.85									
Actuated Cycle Length (s)			65.0			Sum of lost time (s)			16.0			
Intersection Capacity Utilization			75.5%			ICU Level of Service					D	
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

3: Lindelof Avenue (Route 139) & Kay Way



























Forecast 2014 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.99	1.00		0.97	1.00
Satd. Flow (prot)	1719	3438	1538	1719	3410		1633	1693	1538		1738	1524
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.55	0.90	1.00		0.77	1.00
Satd. Flow (perm)	1719	3438	1538	1719	3410		945	1544	1538		1387	1524
Volume (vph)	398	864	224	89	805	46	48	39	58	45	27	294
Peak-hour factor, PHF	0.89	0.89	0.89	0.91	0.91	0.91	0.85	0.85	0.85	0.37	0.37	0.37
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	470	1019	264	103	929	53	59	48	72	128	77	834
RTOR Reduction (vph)	0	0	146	0	5	0	0	0	50	0	0	332
Lane Group Flow (vph)	470	1019	118	103	977	0	38	69	22	0	205	502
Heavy Vehicles (%)	5%	5%	5%	5%	5%	5%	5%	5%	5%	6%	6%	6%
Turn Type	Prot		Perm	Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2		6		6
Permitted Phases			4				2		2		6	6
Actuated Green, G (s)	21.0	36.1	36.1	7.7	22.8		25.0	25.0	25.0		25.0	25.0
Effective Green, g (s)	21.0	36.1	36.1	7.7	22.8		25.0	25.0	25.0		25.0	25.0
Actuated g/C Ratio	0.26	0.45	0.45	0.10	0.28		0.31	0.31	0.31		0.31	0.31
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	447	1536	687	164	962		292	478	476		429	472
v/s Ratio Prot	c0.27	0.30		0.06	c0.29							
v/s Ratio Perm			0.08				0.04	0.04	0.01		0.15	c0.33
v/c Ratio	1.05	0.66	0.17	0.63	1.02		0.13	0.14	0.05		0.48	1.06
Uniform Delay, d1	29.9	17.6	13.4	35.2	29.0		20.1	20.2	19.6		22.6	27.9
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	56.7	1.1	0.1	7.3	33.0		0.9	0.6	0.2		3.8	59.2
Delay (s)	86.6	18.7	13.5	42.5	62.0		21.0	20.8	19.7		26.4	87.1
Level of Service	F	B	B	D	E		C	C	B		C	F
Approach Delay (s)		36.1			60.1			20.4			75.2	
Approach LOS		D			E			C			E	
Intersection Summary												
HCM Average Control Delay			51.8			HCM Level of Service			D			
HCM Volume to Capacity ratio			1.04									
Actuated Cycle Length (s)			80.8			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			68.8%			ICU Level of Service			C			
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

3: Lindelof Avenue (Route 139) & Kay Way

Forecast 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 			 			 	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	1.00	0.85	1.00	1.00		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00		0.95	0.96	1.00		0.97	1.00
Satd. Flow (prot)	1770	3539	1583	1770	3529		1681	1698	1583		1812	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00		0.68	0.67	1.00		0.76	1.00
Satd. Flow (perm)	1770	3539	1583	1770	3529		1197	1191	1583		1423	1583
Volume (vph)	244	962	179	148	1056	21	270	24	175	60	48	445
Peak-hour factor, PHF	0.96	0.96	0.96	0.93	0.93	0.93	0.93	0.93	0.93	0.90	0.90	0.90
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	267	1052	196	167	1192	24	305	27	198	70	56	519
RTOR Reduction (vph)	0	0	112	0	2	0	0	0	146	0	0	208
Lane Group Flow (vph)	267	1052	84	167	1214	0	153	179	52	0	126	311
Turn Type	Prot		Perm	Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2				6
Permitted Phases			4				2		2	6		6
Actuated Green, G (s)	11.7	27.8	27.8	8.0	24.1		17.2	17.2	17.2		17.2	17.2
Effective Green, g (s)	11.7	27.8	27.8	8.0	24.1		17.2	17.2	17.2		17.2	17.2
Actuated g/C Ratio	0.18	0.43	0.43	0.12	0.37		0.26	0.26	0.26		0.26	0.26
Clearance Time (s)	4.0	4.0	4.0	4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	319	1514	677	218	1308		317	315	419		377	419
v/s Ratio Prot	c0.15	c0.30		0.09	c0.34							
v/s Ratio Perm			0.05				0.13	0.15	0.03		0.09	c0.20
v/c Ratio	0.84	0.69	0.12	0.77	0.93		0.48	0.57	0.13		0.33	0.74
Uniform Delay, d1	25.7	15.1	11.2	27.6	19.6		20.1	20.7	18.2		19.3	21.9
Progression Factor	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	17.1	1.4	0.1	14.8	11.5		5.2	7.3	0.6		2.4	11.3
Delay (s)	42.8	16.6	11.3	42.4	31.1		25.3	27.9	18.8		21.7	33.1
Level of Service	D	B	B	D	C		C	C	B		C	C
Approach Delay (s)		20.5			32.4			23.8			30.9	
Approach LOS		C			C			C			C	
Intersection Summary												
HCM Average Control Delay			26.6	HCM Level of Service				C				
HCM Volume to Capacity ratio			0.90									
Actuated Cycle Length (s)			65.0	Sum of lost time (s)				16.0				
Intersection Capacity Utilization			78.8%	ICU Level of Service				D				
Analysis Period (min)			15									
c	Critical Lane Group											

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Stoughton COUNT DATE : Jun-09

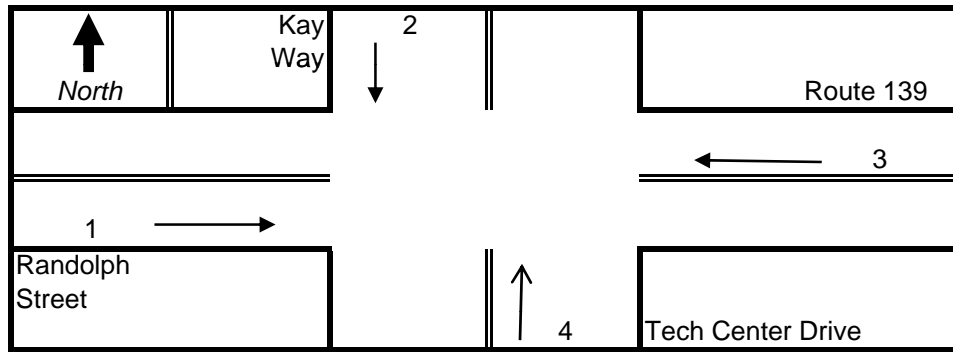
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Lindelof Avenue (Route 139)

MINOR STREET(S) : Technology Center Drive / Kay Way

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	1,392	653	1,225	475		3,745

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____

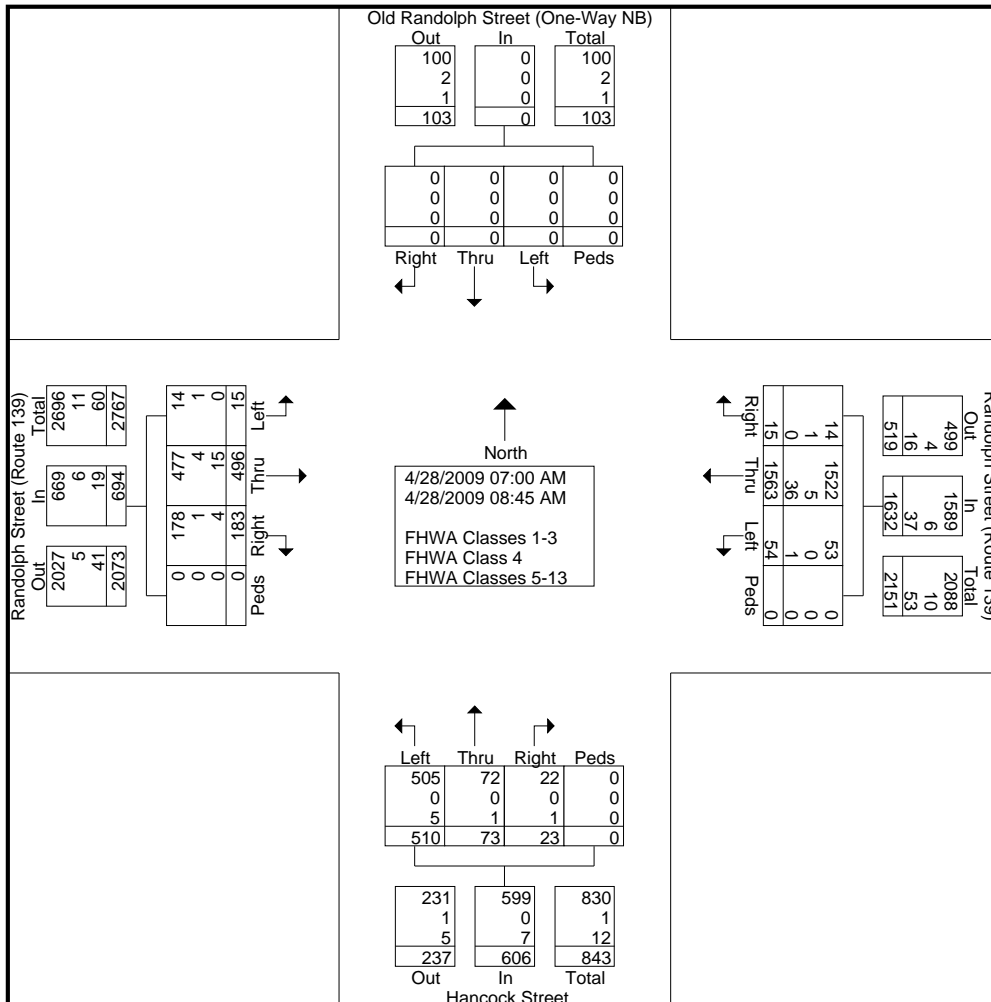
**Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833**

Community: Abington
Weather: Clear
Board #: DB-400 (6)
Staff: BH

File Name : 01_Randolph(139)&Hancock_AM
Site Code : 01
Start Date : 4/28/2009
Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

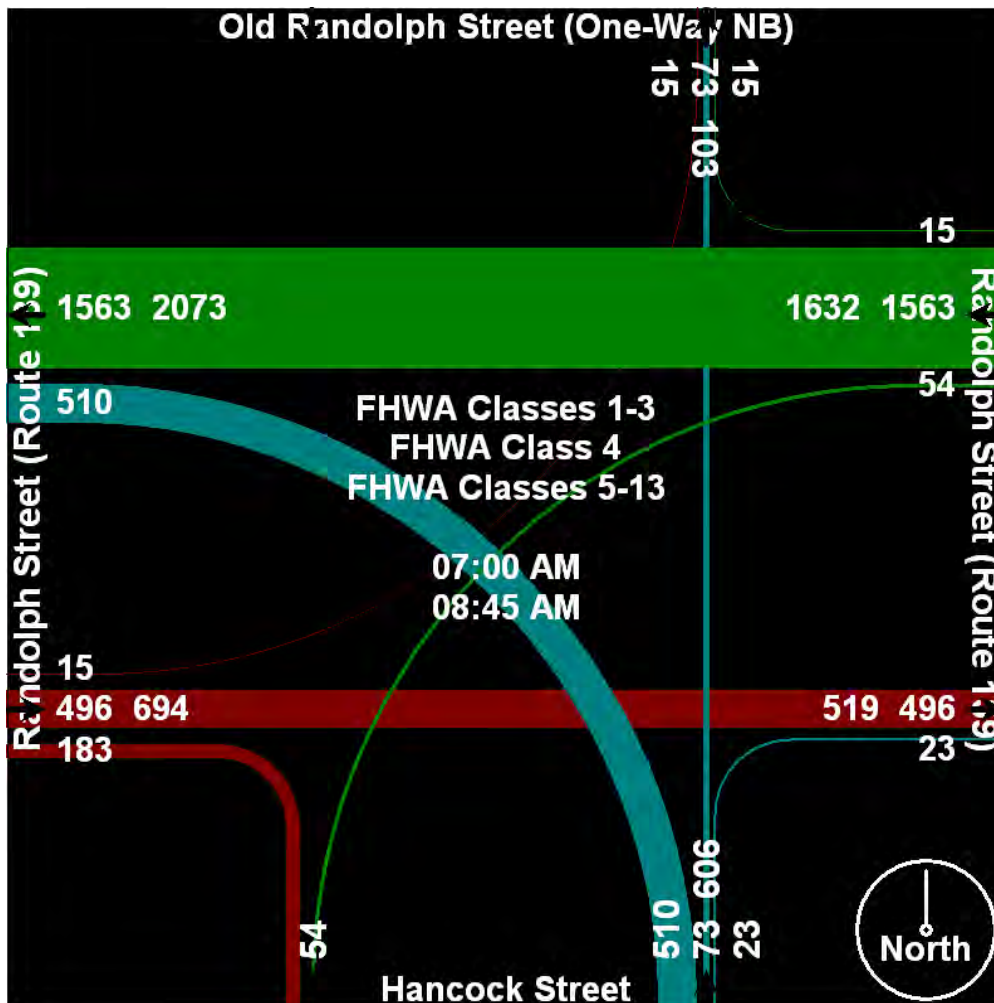
Start Time Factor	Old Randolph Street (One-Way NB) Southbound					Randolph Street (Route 139) Westbound					Hancock Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	0	0	0	0	0	3	193	2	0	198	63	9	2	0	74	2	51	21	0	74	346
07:15 AM	0	0	0	0	0	8	212	3	0	223	71	4	0	0	75	2	59	31	0	92	390
07:30 AM	0	0	0	0	0	8	249	1	0	258	70	7	4	0	81	1	55	28	0	84	423
07:45 AM	0	0	0	0	0	8	230	2	0	240	67	9	0	0	76	3	71	17	0	91	407
Total	0	0	0	0	0	27	884	8	0	919	271	29	6	0	306	8	236	97	0	341	1566
08:00 AM	0	0	0	0	0	9	196	4	0	209	67	7	2	0	76	1	46	24	0	71	356
08:15 AM	0	0	0	0	0	7	198	1	0	206	52	16	3	0	71	1	71	16	0	88	365
08:30 AM	0	0	0	0	0	5	157	1	0	163	77	8	4	0	89	2	64	17	0	83	335
08:45 AM	0	0	0	0	0	6	128	1	0	135	43	13	8	0	64	3	79	29	0	111	310
Total	0	0	0	0	0	27	679	7	0	713	239	44	17	0	300	7	260	86	0	353	1366
Grand Total	0	0	0	0	0	54	1563	15	0	1632	510	73	23	0	606	15	496	183	0	694	2932
Apprch %	0	0	0	0	0	3.3	95.8	0.9	0		84.2	12	3.8	0		2.2	71.5	26.4	0		
Total %	0	0	0	0	0	1.8	53.3	0.5	0	55.7	17.4	2.5	0.8	0	20.7	0.5	16.9	6.2	0	23.7	
FHWA Classes 1-3	0	0	0	0	0	53	1522	14	0	1589	505	72	22	0	599	14	477	178	0	669	2857
% FHWA Classes 1-3	0	0	0	0	0	98.1	97.4	93.3	0	97.4	99	98.6	95.7	0	98.8	93.3	96.2	97.3	0	96.4	97.4
FHWA Class 4	0	0	0	0	0	0	5	1	0	6	0	0	0	0	0	1	4	1	0	6	12
% FHWA Class 4	0	0	0	0	0	0	0.3	6.7	0	0.4	0	0	0	0	0	6.7	0.8	0.5	0	0.9	0.4
FHWA Classes 5-13	0	0	0	0	0	1	36	0	0	37	5	1	1	0	7	0	15	4	0	19	63
% FHWA Classes 5-13	0	0	0	0	0	1.9	2.3	0	0	2.3	1	1.4	4.3	0	1.2	0	3	2.2	0	2.7	2.1



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508-583-1833

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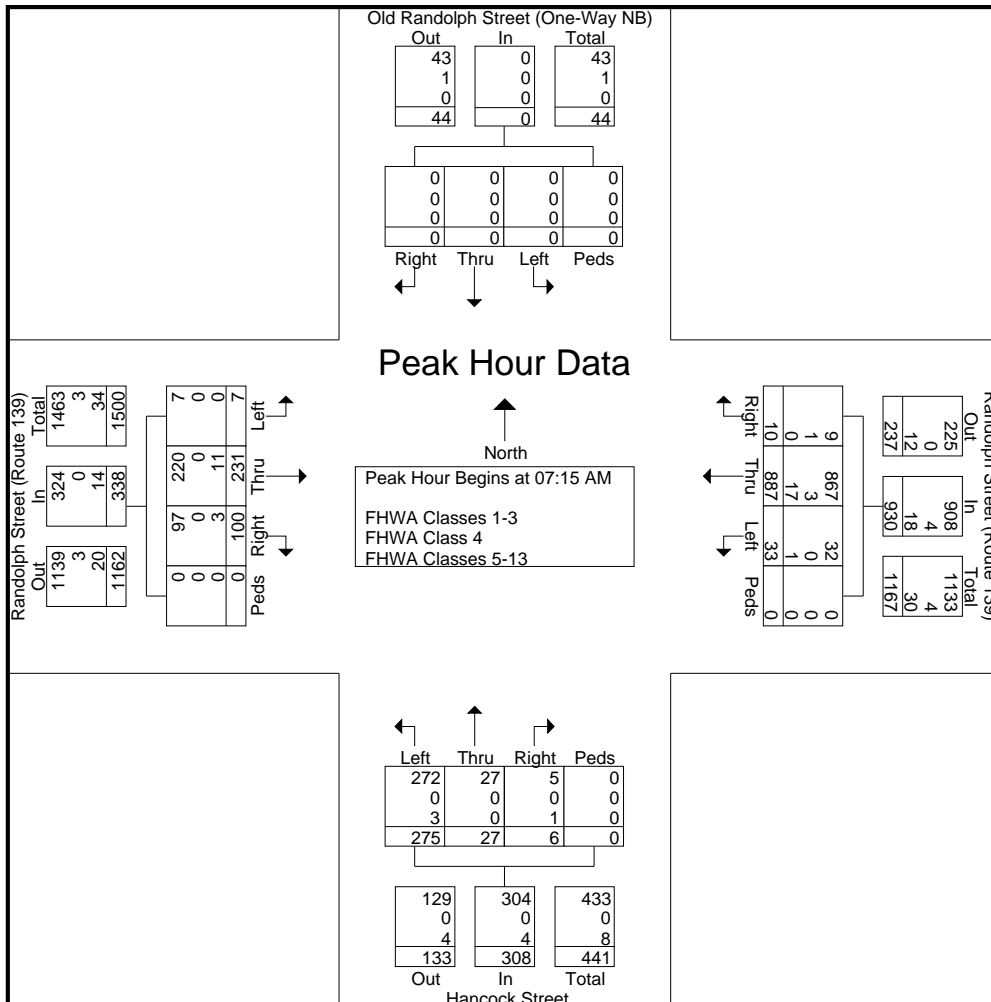


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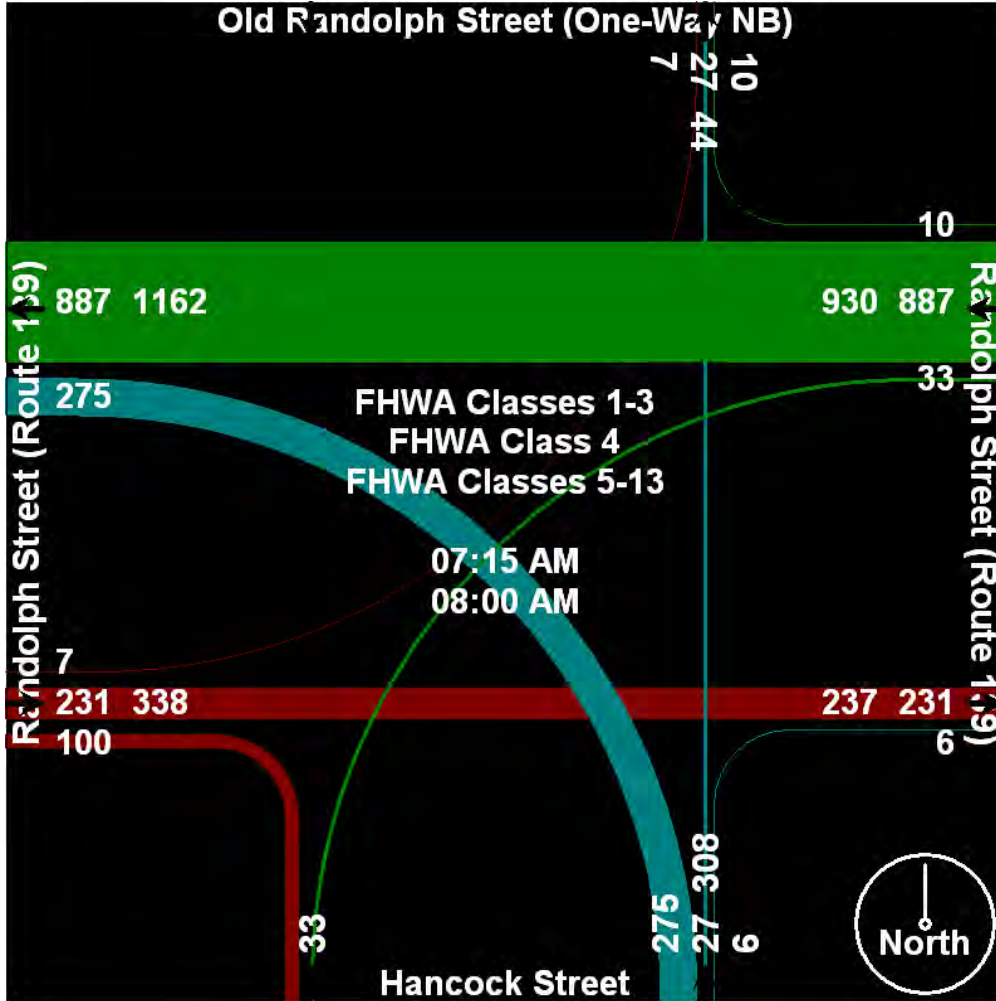
Start Time	Old Randolph Street (One-Way NB) Southbound					Randolph Street (Route 139) Westbound					Hancock Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	0	0	8	212	3	0	223	71	4	0	0	75	2	59	31	0	92	390
07:30 AM	0	0	0	0	0	8	249	1	0	258	70	7	4	0	81	1	55	28	0	84	423
07:45 AM	0	0	0	0	0	8	230	2	0	240	67	9	0	0	76	3	71	17	0	91	407
08:00 AM	0	0	0	0	0	9	196	4	0	209	67	7	2	0	76	1	46	24	0	71	356
Total Volume	0	0	0	0	0	33	887	10	0	930	275	27	6	0	308	7	231	100	0	338	1576
% App. Total	0	0	0	0	0	3.5	95.4	1.1	0		89.3	8.8	1.9	0		2.1	68.3	29.6	0		
PHF	.000	.000	.000	.000	.000	.917	.891	.625	.000	.901	.968	.750	.375	.000	.951	.583	.813	.806	.000	.918	.931
FHWA Classes 1-3	0	0	0	0	0	32	867	9	0	908	272	27	5	0	304	7	220	97	0	324	1536
% FHWA Classes 1-3	0	0	0	0	0	97.0	97.7	90.0	0	97.6	98.9	100	83.3	0	98.7	100	95.2	97.0	0	95.9	97.5
FHWA Class 4	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	4
% FHWA Class 4	0	0	0	0	0	0	0.3	10.0	0	0.4	0	0	0	0	0	0	0	0	0	0	0.3
FHWA Classes 5-13	0	0	0	0	0	1	17	0	0	18	3	0	1	0	4	0	11	3	0	14	36
% FHWA Classes 5-13	0	0	0	0	0	3.0	1.9	0	0	1.9	1.1	0	16.7	0	1.3	0	4.8	3.0	0	4.1	2.3



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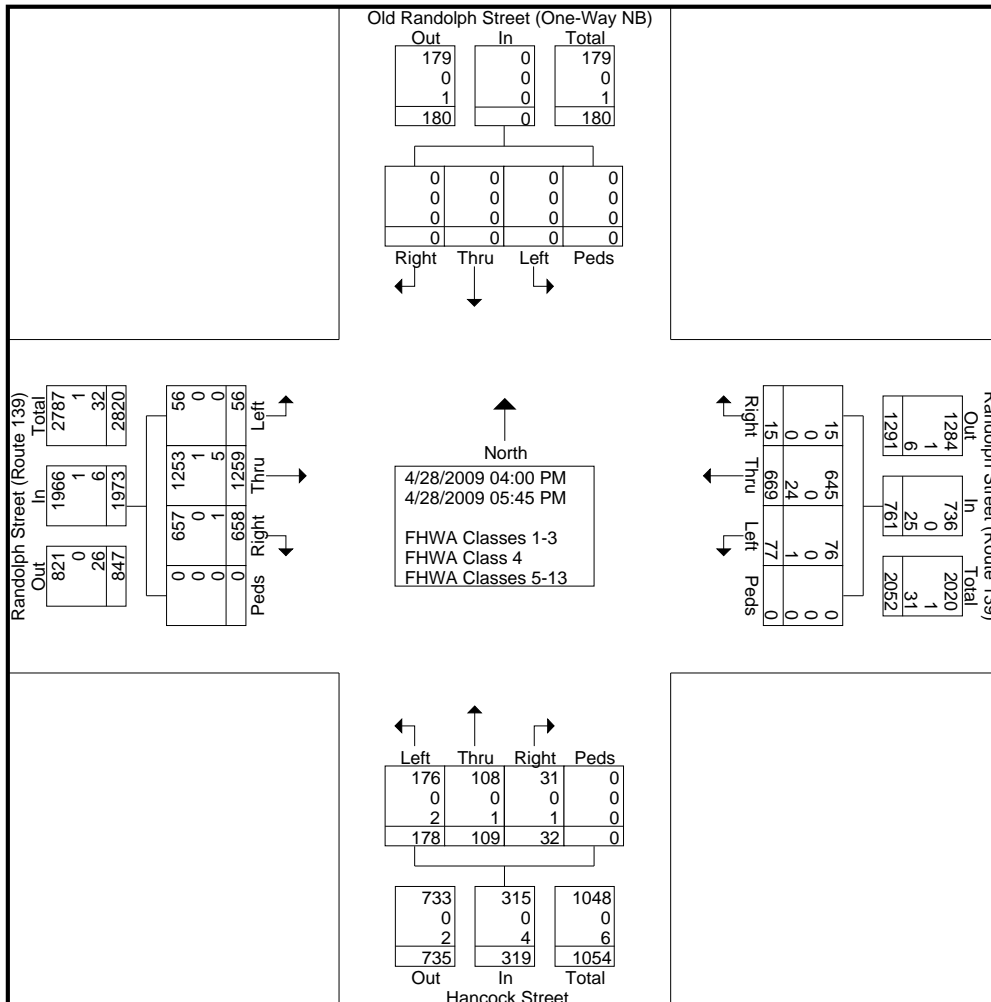
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Groups Printed- 3 - FHWA Class 4 - 13

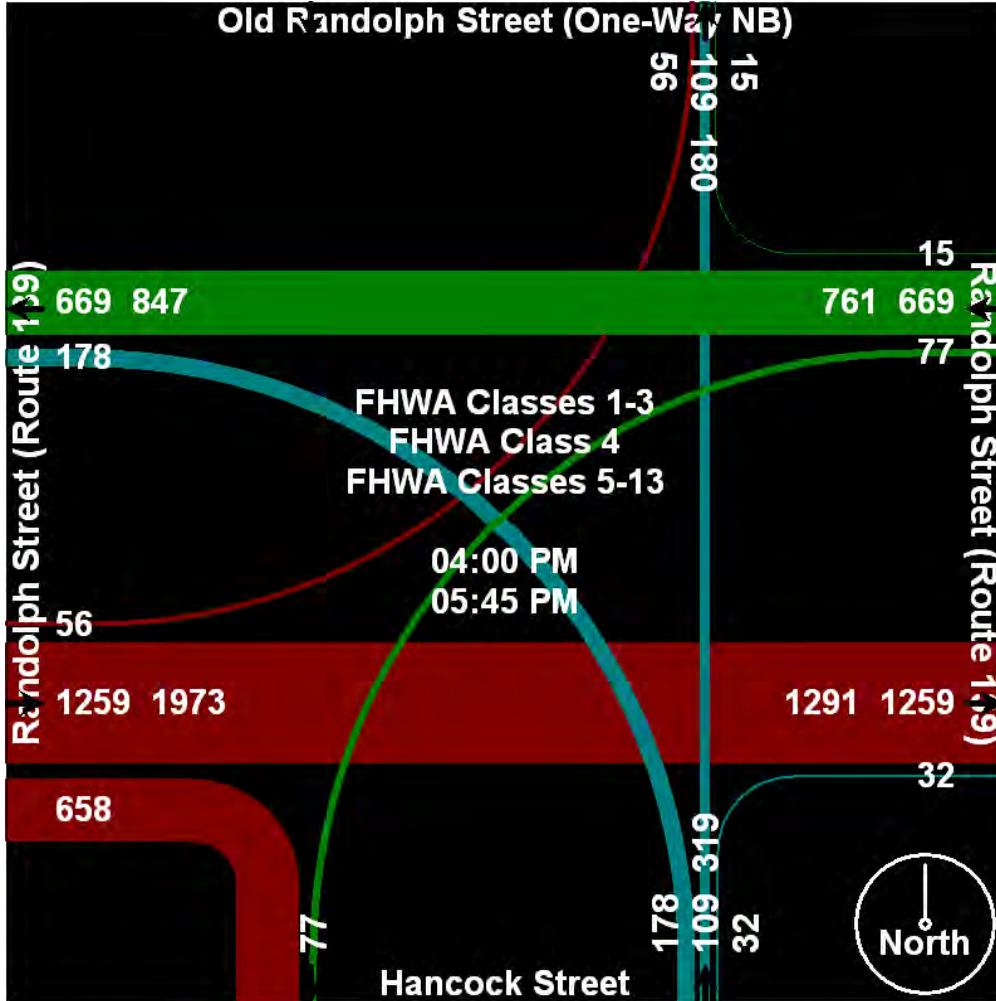
Start Time Factor	Old Randolph Street (One-Way NB) Southbound					Randolph Street (Route 139) Westbound					Hancock Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	0	0	0	0	0	8	81	2	0	91	25	13	2	0	40	2	128	75	0	205	336
04:15 PM	0	0	0	0	0	15	86	2	0	103	24	12	2	0	38	6	156	90	0	252	393
04:30 PM	0	0	0	0	0	12	84	4	0	100	27	12	8	0	47	6	154	78	0	238	385
04:45 PM	0	0	0	0	0	11	73	1	0	85	18	17	4	0	39	4	159	83	0	246	370
Total	0	0	0	0	0	46	324	9	0	379	94	54	16	0	164	18	597	326	0	941	1484
05:00 PM	0	0	0	0	0	6	89	2	0	97	17	13	3	0	33	13	153	85	0	251	381
05:15 PM	0	0	0	0	0	8	81	0	0	89	18	15	4	0	37	14	175	87	0	276	402
05:30 PM	0	0	0	0	0	11	89	4	0	104	25	13	4	0	42	8	174	82	0	264	410
05:45 PM	0	0	0	0	0	6	86	0	0	92	24	14	5	0	43	3	160	78	0	241	376
Total	0	0	0	0	0	31	345	6	0	382	84	55	16	0	155	38	662	332	0	1032	1569
Grand Total	0	0	0	0	0	77	669	15	0	761	178	109	32	0	319	56	1259	658	0	1973	3053
Apprch %	0	0	0	0	0	10.1	87.9	2	0	761	55.8	34.2	10	0	319	2.8	63.8	33.4	0	1973	3053
Total %	0	0	0	0	0	2.5	21.9	0.5	0	24.9	5.8	3.6	1	0	10.4	1.8	41.2	21.6	0	64.6	64.6
FHWA Classes 1-3	0	0	0	0	0	76	645	15	0	736	176	108	31	0	315	56	1253	657	0	1966	3017
% FHWA Classes 1-3	0	0	0	0	0	98.7	96.4	100	0	96.7	98.9	99.1	96.9	0	98.7	100	99.5	99.8	0	99.6	98.8
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0	0.1	0
FHWA Classes 5-13	0	0	0	0	0	1	24	0	0	25	2	1	1	0	4	0	5	1	0	6	35
% FHWA Classes 5-13	0	0	0	0	0	1.3	3.6	0	0	3.3	1.1	0.9	3.1	0	1.3	0	0.4	0.2	0	0.3	1.1



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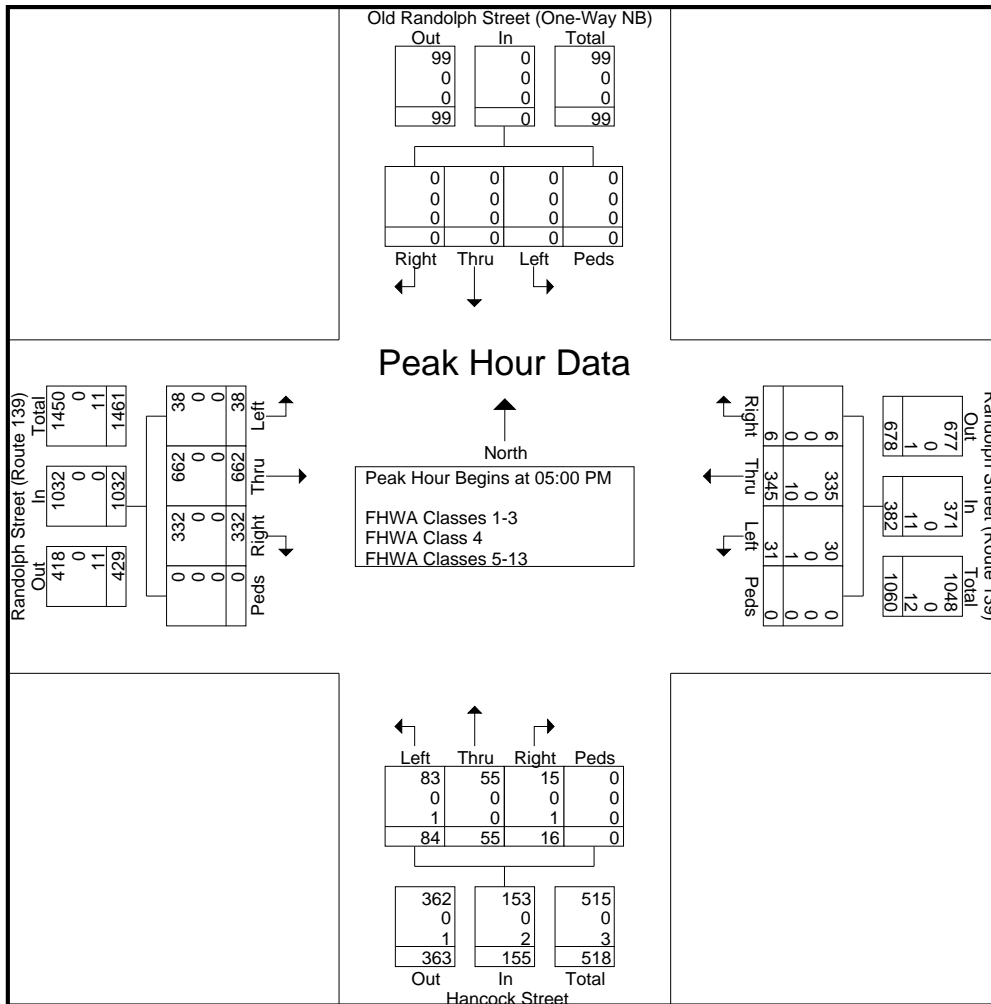


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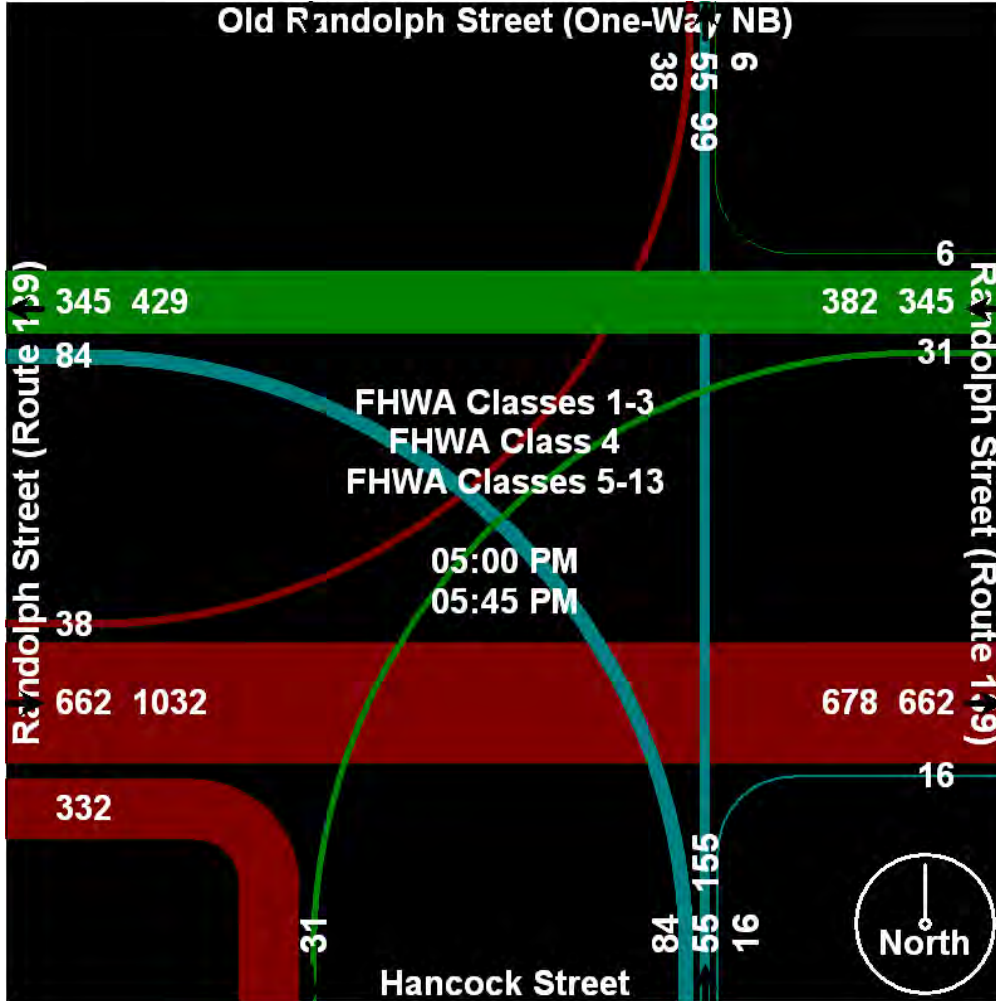
Start Time	Old Randolph Street (One-Way NB) Southbound					Randolph Street (Route 139) Westbound					Hancock Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	0	0	0	0	0	6	89	2	0	97	17	13	3	0	33	13	153	85	0	251	381
05:15 PM	0	0	0	0	0	8	81	0	0	89	18	15	4	0	37	14	175	87	0	276	402
05:30 PM	0	0	0	0	0	11	89	4	0	104	25	13	4	0	42	8	174	82	0	264	410
05:45 PM	0	0	0	0	0	6	86	0	0	92	24	14	5	0	43	3	160	78	0	241	376
Total Volume	0	0	0	0	0	31	345	6	0	382	84	55	16	0	155	38	662	332	0	1032	1569
% App. Total	0	0	0	0	0	8.1	90.3	1.6	0		54.2	35.5	10.3	0		3.7	64.1	32.2	0		
PHF	.000	.000	.000	.000	.000	.705	.969	.375	.000	.918	.840	.917	.800	.000	.901	.679	.946	.954	.000	.935	.957
FHWA Classes 1-3	0	0	0	0	0	30	335	6	0	371	83	55	15	0	153	38	662	332	0	1032	1556
% FHWA Classes 1-3	0	0	0	0	0	96.8	97.1	100	0	97.1	98.8	100	93.8	0	98.7	100	100	100	0	100	99.2
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA Classes 5-13	0	0	0	0	0	1	10	0	0	11	1	0	1	0	2	0	0	0	0	0	13
% FHWA Classes 5-13	0	0	0	0	0	3.2	2.9	0	0	2.9	1.2	0	6.3	0	1.3	0	0	0	0	0	0.8



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HCM Unsignalized Intersection Capacity Analysis

3: Route 139 & Hancock Street
















2009 AM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Sign Control		Free			Free			Stop				Stop
Grade		0%			0%			0%				0%
Volume (veh/h)	7	231	100	33	887	10	275	27	6	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.90	0.90	0.90	0.95	0.95	0.95	0.92	0.92	0.92
Hourly flow rate (vph)	8	251	109	37	986	11	289	28	6	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None				None
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	997			360			1385	1391	305	1406	1439	991
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	997			360			1385	1391	305	1406	1439	991
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			97			0	79	99	100	100	100
cM capacity (veh/h)	686			1199			118	138	739	95	129	301
Direction, Lane #	SE 1	NW 1	NE 1									
Volume Total	367	1033	324									
Volume Left	8	37	289									
Volume Right	109	11	6									
cSH	686	1199	122									
Volume to Capacity	0.01	0.03	2.67									
Queue Length 95th (ft)	1	2	737									
Control Delay (s)	0.4	0.9	829.7									
Lane LOS	A	A	F									
Approach Delay (s)	0.4	0.9	829.7									
Approach LOS			F									
Intersection Summary												
Average Delay			156.5									
Intersection Capacity Utilization			87.7%		ICU Level of Service				E			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

3: Route 139 & Hancock Street
















2009 PM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Sign Control		Free			Free			Stop				Stop
Grade		0%			0%			0%				0%
Volume (veh/h)	38	662	332	31	345	6	84	55	16	0	0	0
Peak Hour Factor	0.94	0.94	0.94	0.92	0.92	0.92	0.90	0.90	0.90	0.92	0.92	0.92
Hourly flow rate (vph)	40	704	353	34	375	7	93	61	18	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None				None
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	382			1057			1407	1411	881	1456	1584	378
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	382			1057			1407	1411	881	1456	1584	378
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	97			95			15	52	95	100	100	100
cM capacity (veh/h)	1177			655			110	127	347	61	100	673
Direction, Lane #	SE 1	NW 1	NE 1									
Volume Total	1098	415	172									
Volume Left	40	34	93									
Volume Right	353	7	18									
cSH	1177	655	124									
Volume to Capacity	0.03	0.05	1.38									
Queue Length 95th (ft)	3	4	289									
Control Delay (s)	1.0	1.5	279.8									
Lane LOS	A	A	F									
Approach Delay (s)	1.0	1.5	279.8									
Approach LOS			F									
Intersection Summary												
Average Delay			29.6									
Intersection Capacity Utilization			79.9%			ICU Level of Service				D		
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

3: Route 139 & Hancock Street
















Projected 2014 AM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	7	231	100	33	887	10	275	27	6	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.90	0.90	0.90	0.95	0.95	0.95	0.92	0.92	0.92
Hourly flow rate (vph)	8	264	114	38	1035	12	304	30	7	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1046			378			1454	1460	321	1476	1511	1041
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1046			378			1454	1460	321	1476	1511	1041
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			97			0	76	99	100	100	100
cM capacity (veh/h)	657			1181			105	125	725	82	116	282
Direction, Lane #	SE 1	NW 1	NE 1									
Volume Total	386	1085	340									
Volume Left	8	38	304									
Volume Right	114	12	7									
cSH	657	1181	109									
Volume to Capacity	0.01	0.03	3.13									
Queue Length 95th (ft)	1	3	Err									
Control Delay (s)	0.4	1.0	Err									
Lane LOS	A	A	F									
Approach Delay (s)	0.4	1.0	Err									
Approach LOS			F									
Intersection Summary												
Average Delay			1880.0									
Intersection Capacity Utilization			91.8%		ICU Level of Service				F			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis

3: Route 139 & Hancock Street

Forecast 2014 PM Peak Hour LOS

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Sign Control		Free			Free			Stop				Stop
Grade		0%			0%			0%				0%
Volume (veh/h)	38	662	332	31	345	6	84	55	16	0	0	0
Peak Hour Factor	0.94	0.94	0.94	0.92	0.92	0.92	0.90	0.90	0.90	0.92	0.92	0.92
Hourly flow rate (vph)	42	739	371	35	394	7	98	64	19	0	0	0
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	401			1110			1478	1481	925	1528	1663	397
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	401			1110			1478	1481	925	1528	1663	397
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	96			94			0	44	94	100	100	100
cM capacity (veh/h)	1158			625			97	114	328	48	89	657
Direction, Lane #	SE 1	NW 1	NE 1									
Volume Total	1153	436	181									
Volume Left	42	35	98									
Volume Right	371	7	19									
cSH	1158	625	111									
Volume to Capacity	0.04	0.06	1.63									
Queue Length 95th (ft)	3	4	341									
Control Delay (s)	1.1	1.7	386.4									
Lane LOS	A	A	F									
Approach Delay (s)	1.1	1.7	386.4									
Approach LOS			F									
Intersection Summary												
Average Delay			40.6									
Intersection Capacity Utilization			83.5%			ICU Level of Service			E			
Analysis Period (min)			15									

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : Apr-09

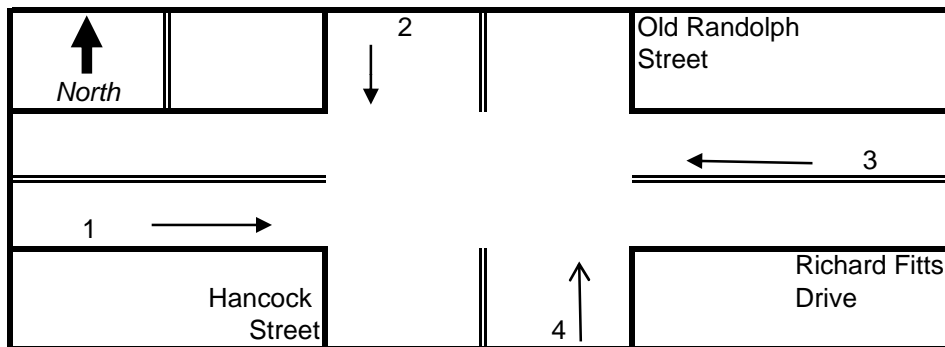
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Richard Fitts Drive (Route 139)

MINOR STREET(S) : Hancock Street / Old Randolph Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	1,032	0	382	155		1,569

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____

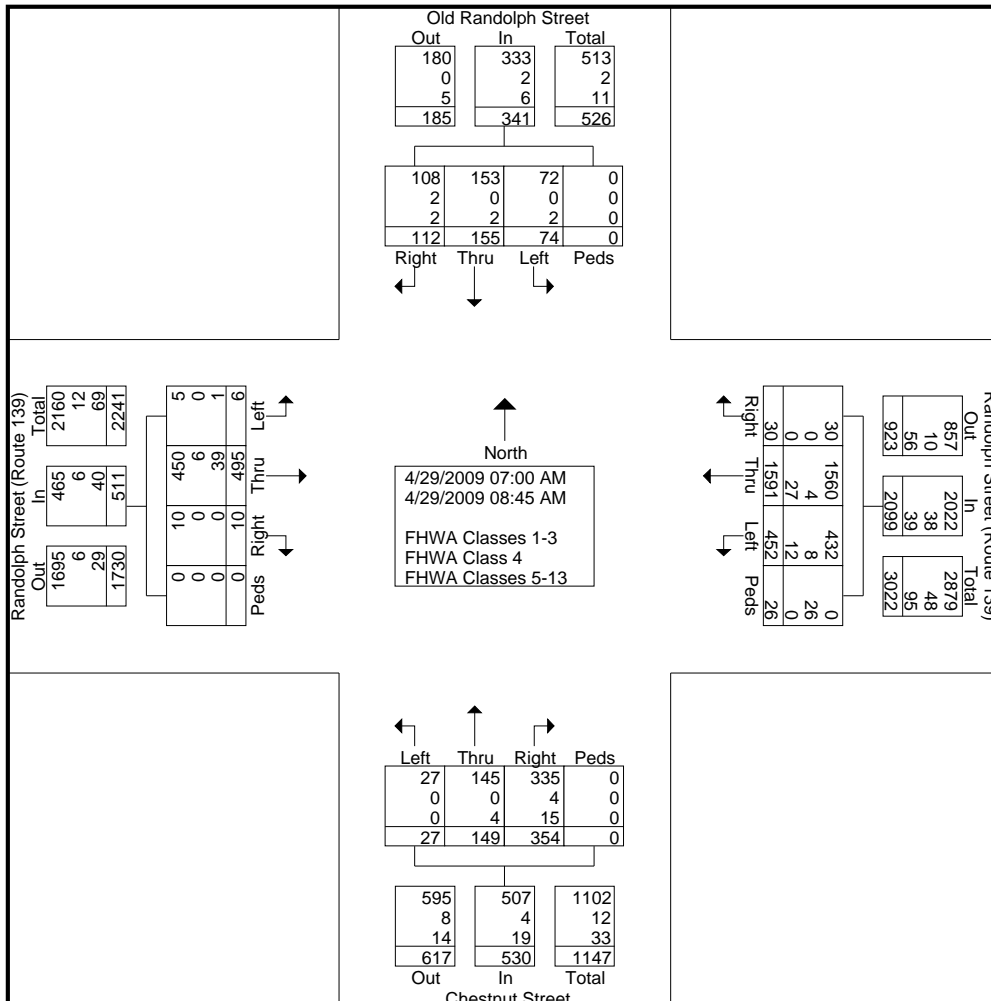
**Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833**

Community: Abington
Weather: Clear
Board #: DB-400 (6)
Staff: BH

File Name : 01_Randolph(139)&Chestnut_AM
Site Code : 01
Start Date : 4/29/2009
Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

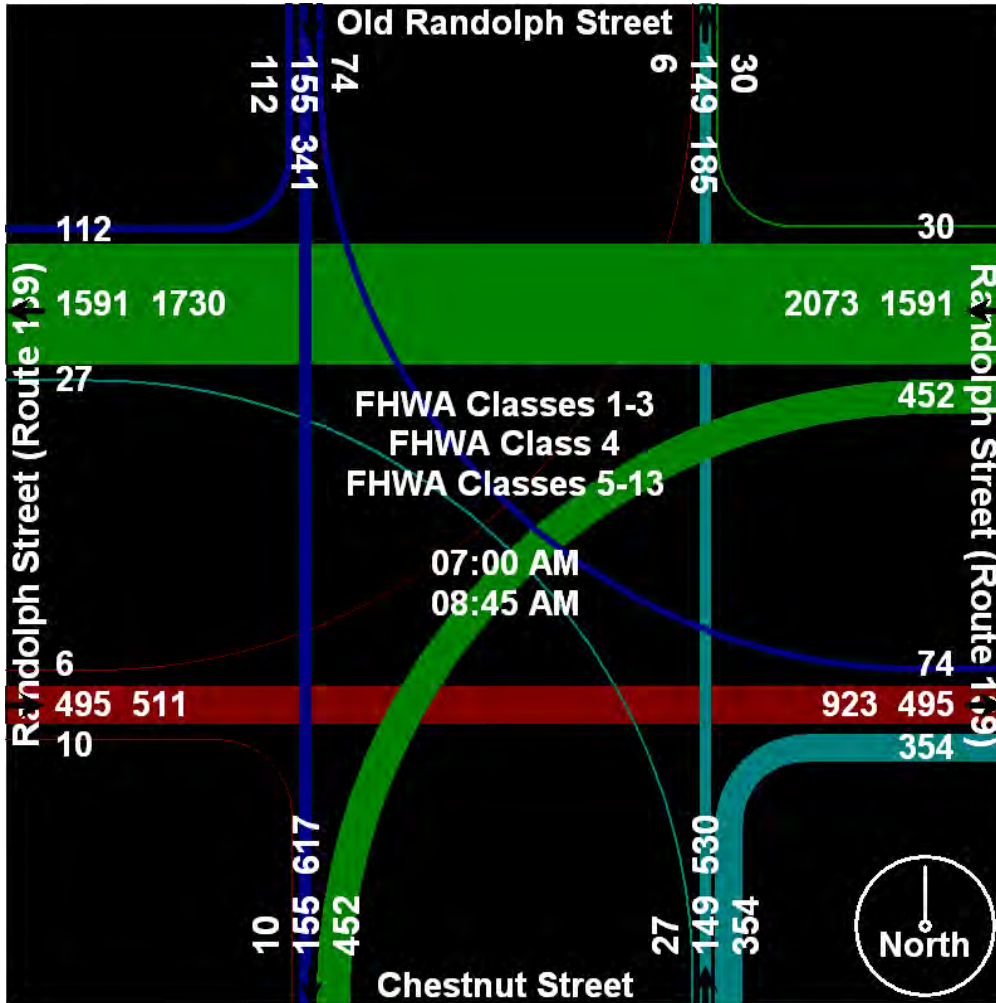
Start Time Factor	Old Randolph Street Southbound					Randolph Street (Route 139) Westbound					Chestnut Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	24	22	18	0	64	49	199	5	0	253	1	18	30	0	49	0	58	1	0	59	425
07:15 AM	9	24	25	0	58	53	258	7	0	318	4	12	38	0	54	0	54	0	0	54	484
07:30 AM	3	15	10	0	28	67	236	4	0	307	10	20	45	0	75	0	62	0	0	62	472
07:45 AM	12	18	15	0	45	50	204	3	19	276	2	17	48	0	67	0	62	2	0	64	452
Total	48	79	68	0	195	219	897	19	19	1154	17	67	161	0	245	0	236	3	0	239	1833
08:00 AM	4	26	6	0	36	73	241	1	7	322	2	25	39	0	66	3	60	2	0	65	489
08:15 AM	3	17	11	0	31	73	190	4	0	267	3	16	59	0	78	0	78	0	0	78	454
08:30 AM	10	15	19	0	44	53	143	5	0	201	3	21	50	0	74	0	58	2	0	60	379
08:45 AM	9	18	8	0	35	34	120	1	0	155	2	20	45	0	67	3	63	3	0	69	326
Total	26	76	44	0	146	233	694	11	7	945	10	82	193	0	285	6	259	7	0	272	1648
Grand Total	74	155	112	0	341	452	1591	30	26	2099	27	149	354	0	530	6	495	10	0	511	3481
Apprch %	21.7	45.5	32.8	0		21.5	75.8	1.4	1.2		5.1	28.1	66.8	0		1.2	96.9	2	0		
Total %	2.1	4.5	3.2	0	9.8	13	45.7	0.9	0.7	60.3	0.8	4.3	10.2	0	15.2	0.2	14.2	0.3	0	14.7	
FHWA Classes 1-3	72	153	108	0	333	432	1560	30	0	2022	27	145	335	0	507	5	450	10	0	465	3327
% FHWA Classes 1-3	97.3	98.7	96.4	0	97.7	95.6	98.1	100	0	96.3	100	97.3	94.6	0	95.7	83.3	90.9	100	0	91	95.6
FHWA Class 4	0	0	2	0	2	8	4	0	26	38	0	0	4	4	4	0	6	0	0	6	50
% FHWA Class 4	0	0	1.8	0	0.6	1.8	0.3	0	100	1.8	0	0	1.1	0	0.8	0	1.2	0	0	1.2	1.4
FHWA Classes 5-13	2	2	2	0	6	12	27	0	0	39	0	4	15	0	19	1	39	0	0	40	104
% FHWA Classes 5-13	2.7	1.3	1.8	0	1.8	2.7	1.7	0	0	1.9	0	2.7	4.2	0	3.6	16.7	7.9	0	0	7.8	3



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508-583-1833

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Board #: DB-400 (6)
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Site Code : 01
Start Date : 4/29/2009
Page No : 2

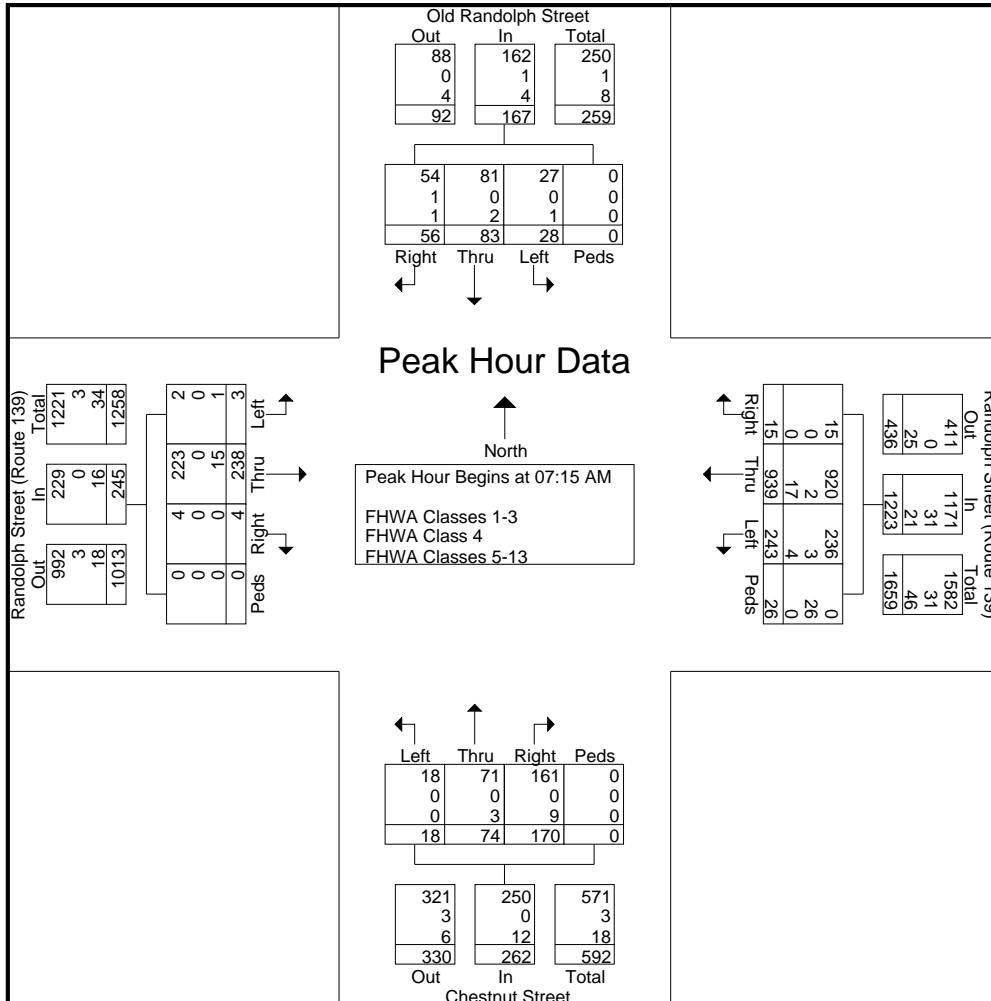


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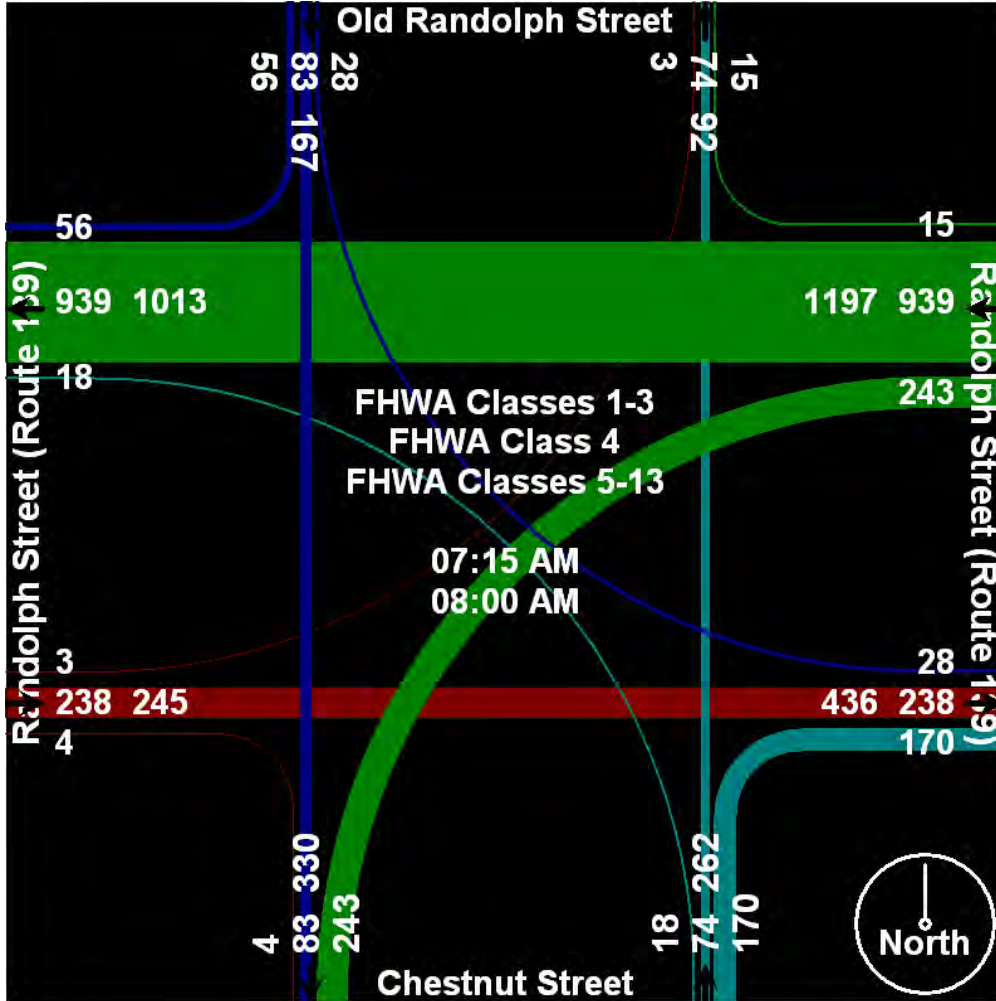
Start Time	Old Randolph Street Southbound					Randolph Street (Route 139) Westbound					Chestnut Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	9	24	25	0	58	53	258	7	0	318	4	12	38	0	54	0	54	0	0	54	484
07:30 AM	3	15	10	0	28	67	236	4	0	307	10	20	45	0	75	0	62	0	0	62	472
07:45 AM	12	18	15	0	45	50	204	3	19	276	2	17	48	0	67	0	62	2	0	64	452
08:00 AM	4	26	6	0	36	73	241	1	7	322	2	25	39	0	66	3	60	2	0	65	489
Total Volume	28	83	56	0	167	243	939	15	26	1223	18	74	170	0	262	3	238	4	0	245	1897
% App. Total	16.8	49.7	33.5	0		19.9	76.8	1.2	2.1		6.9	28.2	64.9	0		1.2	97.1	1.6	0		
PHF	.583	.798	.560	.000	.720	.832	.910	.536	.342	.950	.450	.740	.885	.000	.873	.250	.960	.500	.000	.942	.970
FHWA Classes 1-3	27	81	54	0	162	236	920	15	0	1171	18	71	161	0	250	2	223	4	0	229	1812
% FHWA Classes 1-3	96.4	97.6	96.4	0	97.0	97.1	98.0	100	0	95.7	100	95.9	94.7	0	95.4	66.7	93.7	100	0	93.5	95.5
FHWA Class 4	0	0	1	0	1	3	2	0	26	31	0	0	0	0	0	0	0	0	0	0	32
% FHWA Class 4	0	0	1.8	0	0.6	1.2	0.2	0	100	2.5	0	0	0	0	0	0	0	0	0	0	1.7
FHWA Classes 5-13	1	2	1	0	4	4	17	0	0	21	0	3	9	0	12	1	15	0	0	16	53
% FHWA Classes 5-13	3.6	2.4	1.8	0	2.4	1.6	1.8	0	0	1.7	0	4.1	5.3	0	4.6	33.3	6.3	0	0	6.5	2.8



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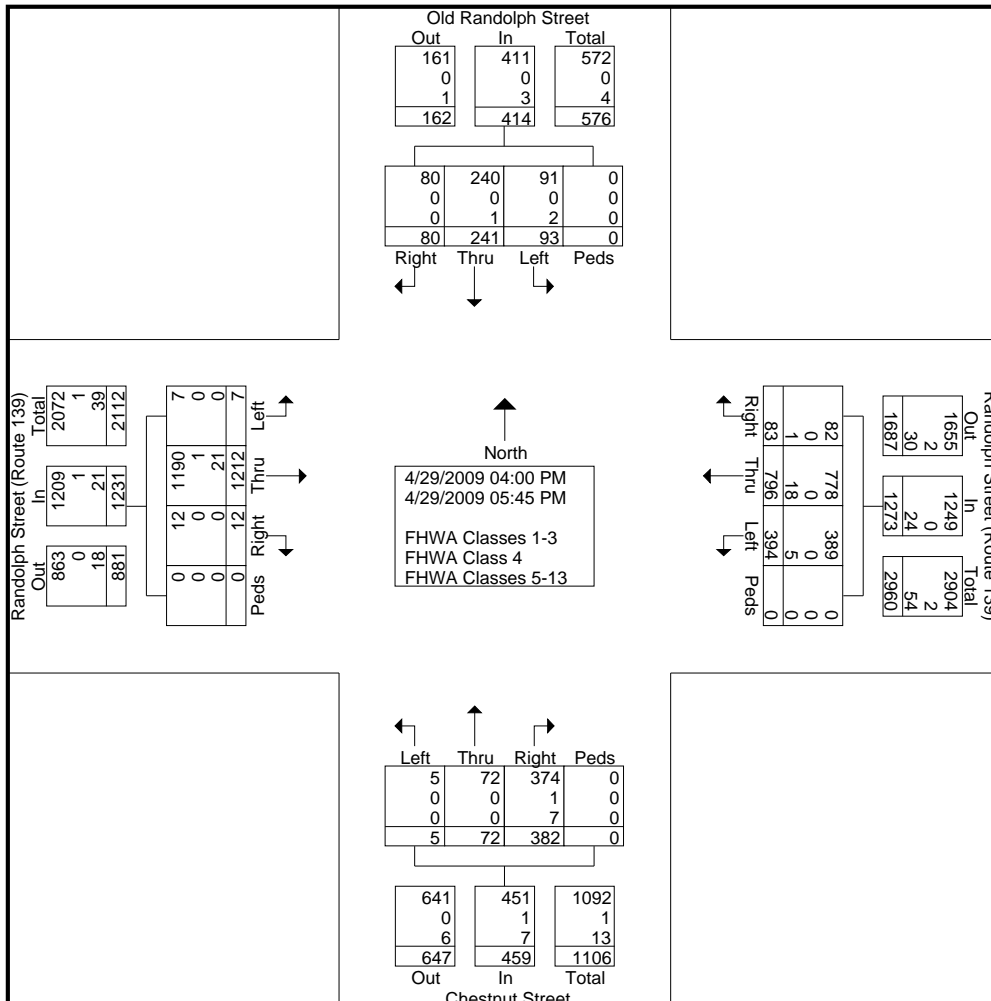
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Groups Printed- 3 - FHWA Class 4 - 13

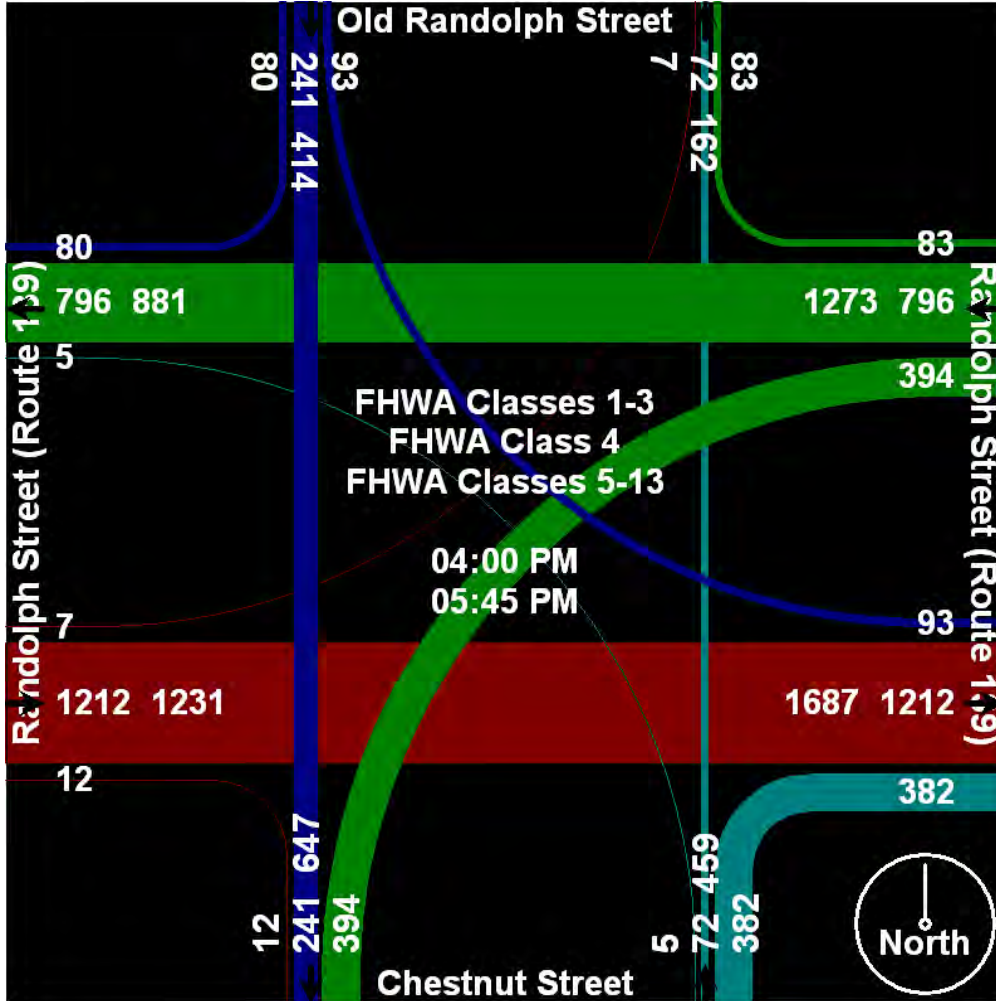
Start Time Factor	Old Randolph Street Southbound					Randolph Street (Route 139) Westbound					Chestnut Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	9	21	7	0	37	32	126	11	0	169	1	11	30	0	42	0	137	2	0	139	387
04:15 PM	14	30	5	0	49	28	74	10	0	112	0	12	43	0	55	1	131	0	0	132	348
04:30 PM	9	47	13	0	69	62	93	10	0	165	0	3	49	0	52	1	146	1	0	148	434
04:45 PM	12	28	13	0	53	52	102	13	0	167	0	9	56	0	65	0	150	1	0	151	436
Total	44	126	38	0	208	174	395	44	0	613	1	35	178	0	214	2	564	4	0	570	1605
05:00 PM	14	40	9	0	63	45	87	15	0	147	3	6	53	0	62	3	167	1	0	171	443
05:15 PM	13	29	14	0	56	59	97	5	0	161	1	17	37	0	55	2	157	2	0	161	433
05:30 PM	13	23	13	0	49	64	118	14	0	196	0	8	59	0	67	0	174	3	0	177	489
05:45 PM	9	23	6	0	38	52	99	5	0	156	0	6	55	0	61	0	150	2	0	152	407
Total	49	115	42	0	206	220	401	39	0	660	4	37	204	0	245	5	648	8	0	661	1772
Grand Total	93	241	80	0	414	394	796	83	0	1273	5	72	382	0	459	7	1212	12	0	1231	3377
Apprch %	22.5	58.2	19.3	0		31	62.5	6.5	0		1.1	15.7	83.2	0		0.6	98.5	1	0		
Total %	2.8	7.1	2.4	0	12.3	11.7	23.6	2.5	0	37.7	0.1	2.1	11.3	0	13.6	0.2	35.9	0.4	0	36.5	
FHWA Classes 1-3	91	240	80	0	411	389	778	82	0	1249	5	72	374	0	451	7	1190	12	0	1209	3320
% FHWA Classes 1-3	97.8	99.6	100	0	99.3	98.7	97.7	98.8	0	98.1	100	100	97.9	0	98.3	100	98.2	100	0	98.2	98.3
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0.2	0	0.1	0	0	0.1	0.1
FHWA Classes 5-13	2	1	0	0	3	5	18	1	0	24	0	0	7	0	7	0	21	0	0	21	55
% FHWA Classes 5-13	2.2	0.4	0	0	0.7	1.3	2.3	1.2	0	1.9	0	0	1.8	0	1.5	0	1.7	0	0	1.7	1.6



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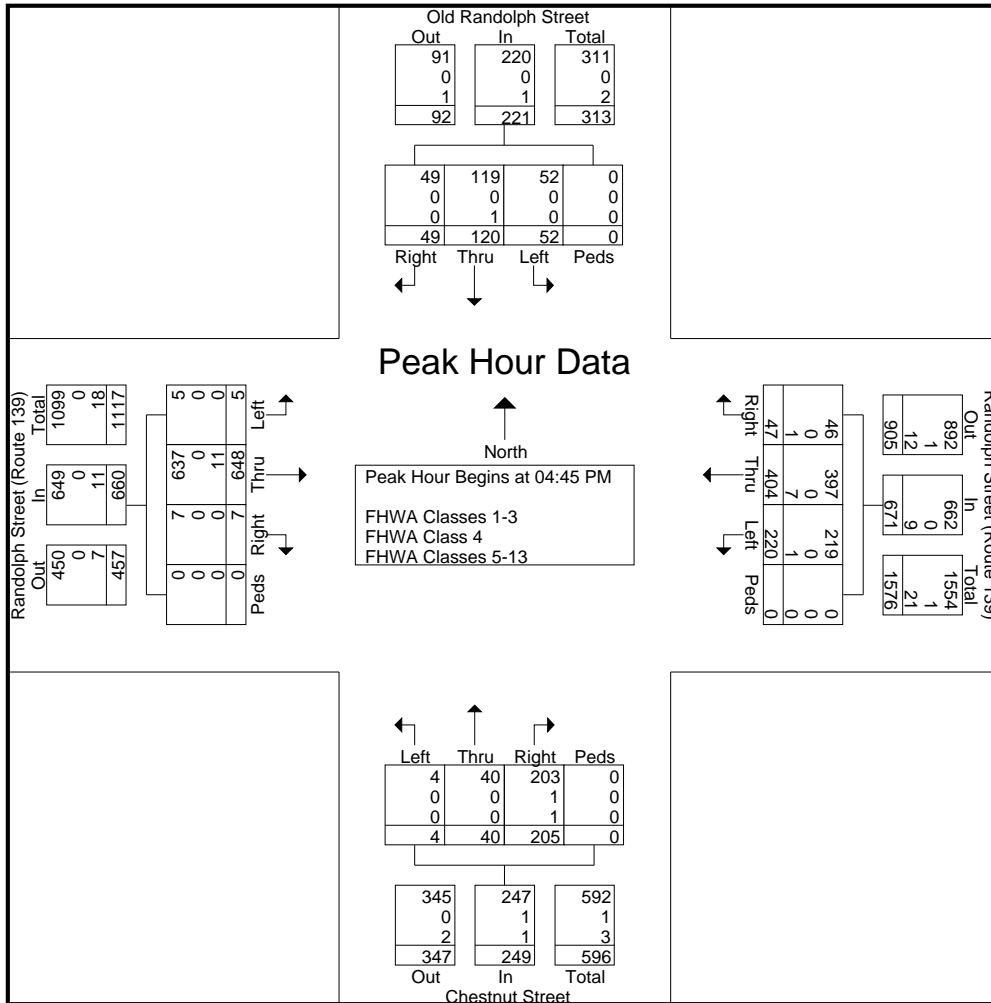


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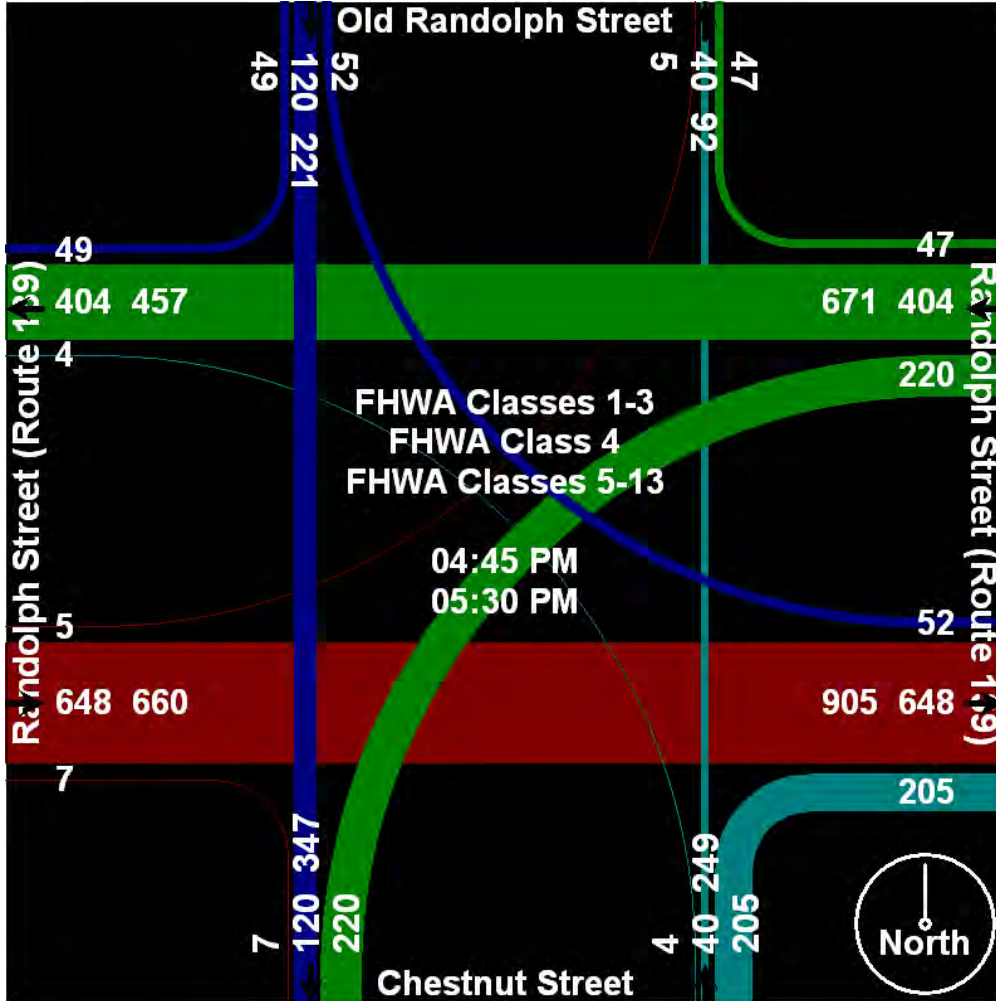
Start Time	Old Randolph Street Southbound					Randolph Street (Route 139) Westbound					Chestnut Street Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	12	28	13	0	53	52	102	13	0	167	0	9	56	0	65	0	150	1	0	151	436
05:00 PM	14	40	9	0	63	45	87	15	0	147	3	6	53	0	62	3	167	1	0	171	443
05:15 PM	13	29	14	0	56	59	97	5	0	161	1	17	37	0	55	2	157	2	0	161	433
05:30 PM	13	23	13	0	49	64	118	14	0	196	0	8	59	0	67	0	174	3	0	177	489
Total Volume	52	120	49	0	221	220	404	47	0	671	4	40	205	0	249	5	648	7	0	660	1801
% App. Total	23.5	54.3	22.2	0		32.8	60.2	7	0		1.6	16.1	82.3	0		0.8	98.2	1.1	0		
PHF	.929	.750	.875	.000	.877	.859	.856	.783	.000	.856	.333	.588	.869	.000	.929	.417	.931	.583	.000	.932	.921
FHWA Classes 1-3	52	119	49	0	220	219	397	46	0	662	4	40	203	0	247	5	637	7	0	649	1778
% FHWA Classes 1-3	100	99.2	100	0	99.5	99.5	98.3	97.9	0	98.7	100	100	99.0	0	99.2	100	98.3	100	0	98.3	98.7
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0.4	0	0	0	0	0	0.1
FHWA Classes 5-13	0	1	0	0	1	1	7	1	0	9	0	0	1	0	1	0	11	0	0	11	22
% FHWA Classes 5-13	0	0.8	0	0	0.5	0.5	1.7	2.1	0	1.3	0	0	0.5	0	0.4	0	1.7	0	0	1.7	1.2



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HCM Unsignalized Intersection Capacity Analysis
 3: Richard Fitts Drive (Route 139) & Old Randolph Street

2009 Existing AM LOS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	3	238	4	243	939	15	18	74	170	28	83	58
Peak Hour Factor	0.94	0.94	0.94	0.95	0.95	0.95	0.87	0.87	0.87	0.72	0.72	0.72
Hourly flow rate (vph)	3	253	4	256	988	16	21	85	195	39	115	81
Pedestrians					28			28			28	
Lane Width (ft)					12.0			12.0			12.0	
Walking Speed (ft/s)					4.0			4.0			4.0	
Percent Blockage					2			2			2	
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1032			285			1936	1833	311	2064	1828	1024
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1032			285			1936	1833	311	2064	1828	1024
tC, single (s)	4.2			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.3			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	100			79			0	0	72	0	0	71
cM capacity (veh/h)	639			1236			0	57	691	0	57	278

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	261	1260	301	235
Volume Left	3	256	21	39
Volume Right	4	16	195	81
cSH	639	1236	0	0
Volume to Capacity	0.00	0.21	Err	Err
Queue Length 95th (ft)	0	19	Err	Err
Control Delay (s)	0.2	5.3	Err	Err
Lane LOS	A	A	F	F
Approach Delay (s)	0.2	5.3	Err	Err
Approach LOS			F	F

Intersection Summary			
Average Delay		Err	
Intersection Capacity Utilization	105.6%	ICU Level of Service	G
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: Richard Fitts Drive (Route 139) & Old Randolph Street

2009 Existing PM LOS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	5	648	7	220	404	47	4	40	205	52	120	49
Peak Hour Factor	0.93	0.93	0.93	0.86	0.86	0.86	0.93	0.93	0.93	0.88	0.88	0.88
Hourly flow rate (vph)	5	697	8	256	470	55	4	43	220	59	136	56
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	524			704			1844	1747	701	1962	1724	497
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	524			704			1844	1747	701	1962	1724	497
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			72			0	30	50	0	0	90
cM capacity (veh/h)	1042			898			0	62	441	8	64	577
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	710	780	268	251								
Volume Left	5	256	4	59								
Volume Right	8	55	220	56								
cSH	1042	898	0	27								
Volume to Capacity	0.01	0.28	Err	9.24								
Queue Length 95th (ft)	0	29	Err	Err								
Control Delay (s)	0.1	6.4	Err	Err								
Lane LOS	A	A	F	F								
Approach Delay (s)	0.1	6.4	Err	Err								
Approach LOS			F	F								
Intersection Summary												
Average Delay			Err									
Intersection Capacity Utilization			111.6%		ICU Level of Service				H			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis
 3: Richard Fitts Drive (Route 139) & Old Randolph Street

Projected 2014 Existing AM LOS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	3	238	4	243	939	15	18	74	170	28	83	58
Peak Hour Factor	0.94	0.94	0.94	0.95	0.95	0.95	0.87	0.87	0.87	0.72	0.72	0.72
Hourly flow rate (vph)	3	266	4	269	1038	17	22	89	205	41	121	85
Pedestrians					28			28			28	
Lane Width (ft)					12.0			12.0			12.0	
Walking Speed (ft/s)					4.0			4.0			4.0	
Percent Blockage					2			2			2	
Right turn flare (veh)												
Median type								None			None	
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	1082			298			2031	1922	324	2164	1916	1074
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	1082			298			2031	1922	324	2164	1916	1074
tC, single (s)	4.2			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.3			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			78			0	0	70	0	0	67
cM capacity (veh/h)	611			1222			0	49	679	0	50	260
Direction, Lane #	EB 1	WB 1	NB 1	SB 1								
Volume Total	274	1323	316	246								
Volume Left	3	269	22	41								
Volume Right	4	17	205	85								
cSH	611	1222	0	0								
Volume to Capacity	0.01	0.22	Err	Err								
Queue Length 95th (ft)	0	21	Err	Err								
Control Delay (s)	0.2	5.8	Err	Err								
Lane LOS	A	A	F	F								
Approach Delay (s)	0.2	5.8	Err	Err								
Approach LOS			F	F								
Intersection Summary												
Average Delay			Err									
Intersection Capacity Utilization			110.3%		ICU Level of Service				H			
Analysis Period (min)			15									

HCM Unsignalized Intersection Capacity Analysis
 3: Richard Fitts Drive (Route 139) & Old Randolph Street

Projected 2014 Existing PM LOS



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Sign Control		Free			Free			Stop			Stop	
Grade		0%			0%			0%			0%	
Volume (veh/h)	5	648	7	220	404	47	4	40	205	52	120	49
Peak Hour Factor	0.93	0.93	0.93	0.86	0.86	0.86	0.93	0.93	0.93	0.88	0.88	0.88
Hourly flow rate (vph)	6	732	8	269	493	57	5	45	231	62	143	58
Pedestrians												
Lane Width (ft)												
Walking Speed (ft/s)												
Percent Blockage												
Right turn flare (veh)												
Median type							None			None		
Median storage (veh)												
Upstream signal (ft)												
pX, platoon unblocked												
vC, conflicting volume	551			740			1936	1835	736	2060	1810	522
vC1, stage 1 conf vol												
vC2, stage 2 conf vol												
vCu, unblocked vol	551			740			1936	1835	736	2060	1810	522
tC, single (s)	4.1			4.1			7.1	6.5	6.2	7.1	6.5	6.2
tC, 2 stage (s)												
tF (s)	2.2			2.2			3.5	4.0	3.3	3.5	4.0	3.3
p0 queue free %	99			69			0	14	45	0	0	90
cM capacity (veh/h)	1019			871			0	53	421	4	55	559

Direction, Lane #	EB 1	WB 1	NB 1	SB 1
Volume Total	745	819	281	264
Volume Left	6	269	5	62
Volume Right	8	57	231	58
cSH	1019	871	0	15
Volume to Capacity	0.01	0.31	Err	18.15
Queue Length 95th (ft)	0	33	Err	Err
Control Delay (s)	0.1	7.0	Err	Err
Lane LOS	A	A	F	F
Approach Delay (s)	0.1	7.0	Err	Err
Approach LOS			F	F

Intersection Summary			
Average Delay		Err	
Intersection Capacity Utilization	116.5%	ICU Level of Service	H
Analysis Period (min)	15		

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : Apr-09

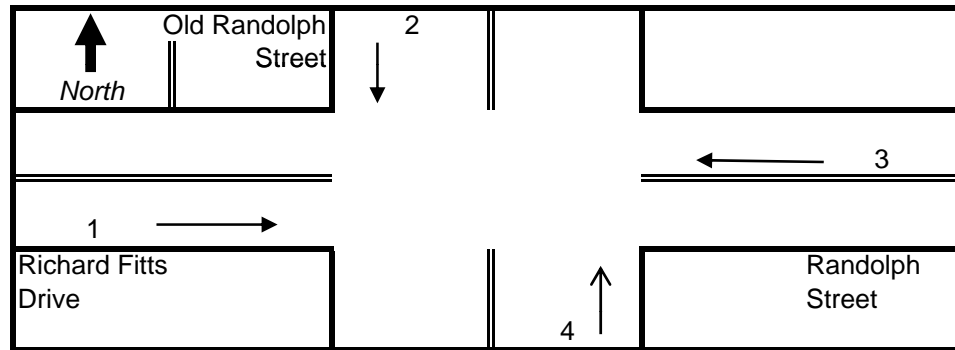
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Randolph Street / Richard Fitts Drive (Route 139)

MINOR STREET(S) : Chestnut Street / Old Randolph Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	245	167	1,197	262		1,871

" K " FACTOR :

0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :	20,789
--------------	--	---------------

TOTAL # OF CRASHES :

18	# OF YEARS :	3	AVERAGE # OF CRASHES PER YEAR (A) :	6.00
----	--------------	---	---------------------------------------	-------------

CRASH RATE CALCULATION :

0.79

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

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

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

Signal Warrants - Summary

Major Street Approaches

Northbound: Randolph St (Route 139)

Number of Lanes: 1
Approach Speed: 0
Total Approach Volume: 8,340

Southbound: Randolph St (Route 139)

Number of Lanes: 1
Approach Speed: 0
Total Approach Volume: 5,888

Minor Street Approaches

Eastbound: Chestnut Street

Number of Lanes: 1

Total Approach Volume: 2,697

Westbound: Old Randolph Street

Number of Lanes: 1

Total Approach Volume: 1,060

Warrant Summary (Urban values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume Satisfied	
Required volumes reached for 8 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic Satisfied	
Required volumes reached for 8 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants Satisfied	
Required volumes reached for 13 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (8) volumes exceed minimum >= minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay Not Satisfied	
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes Satisfied	
Volumes exceed minimums for at least one hour.	
Warrant 4 - Pedestrian Volumes	Not Satisfied
Required 4 Hr pedestrian volume reached for 0 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps > .0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Satisfied
Number of accidents (6) is more than minimum (5) and volume requirements are met.	
Warrant 8 - Roadway Network	Satisfied
Major Route conditions met. Volume requirements met.	

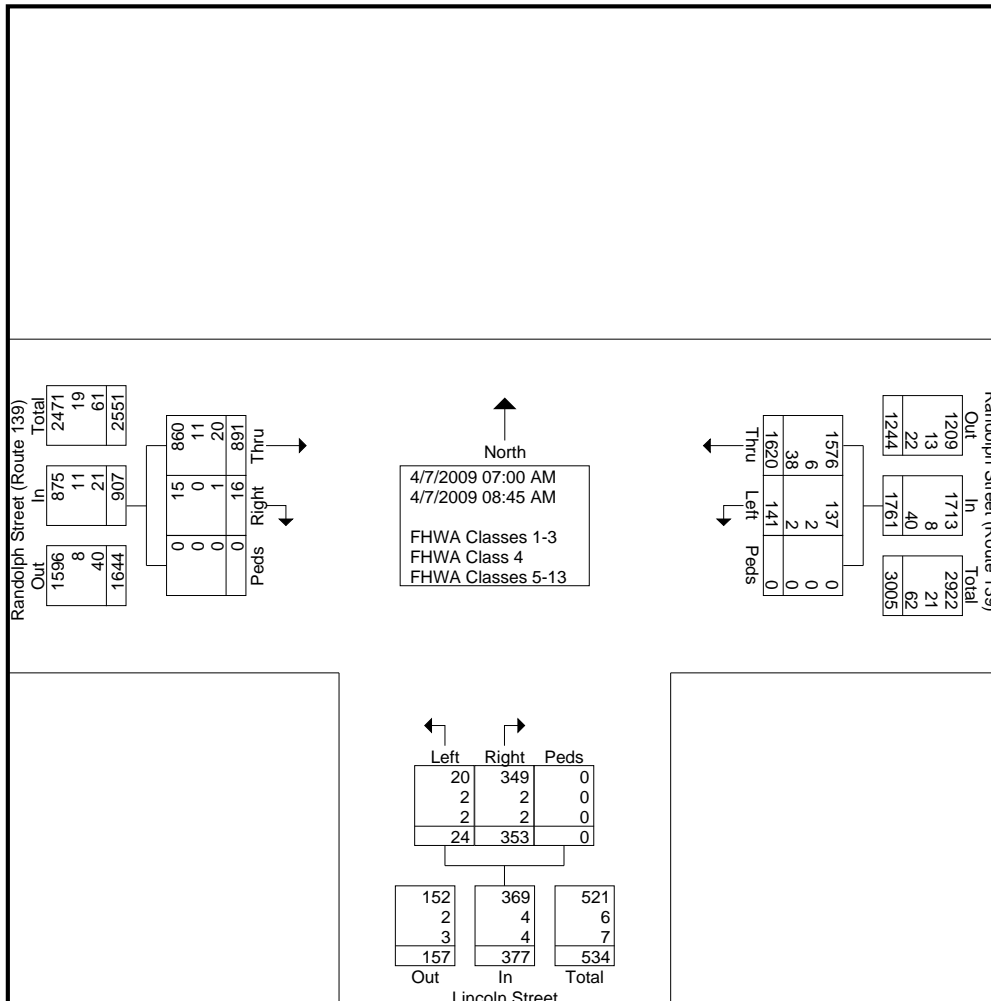
**Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833**

Community: Abington
Weather: Clear
Board #: DB-400 (6)
Staff: BH

File Name : 01_Randolph(139)&Lincoln_AM
Site Code : 01
Start Date : 4/7/2009
Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

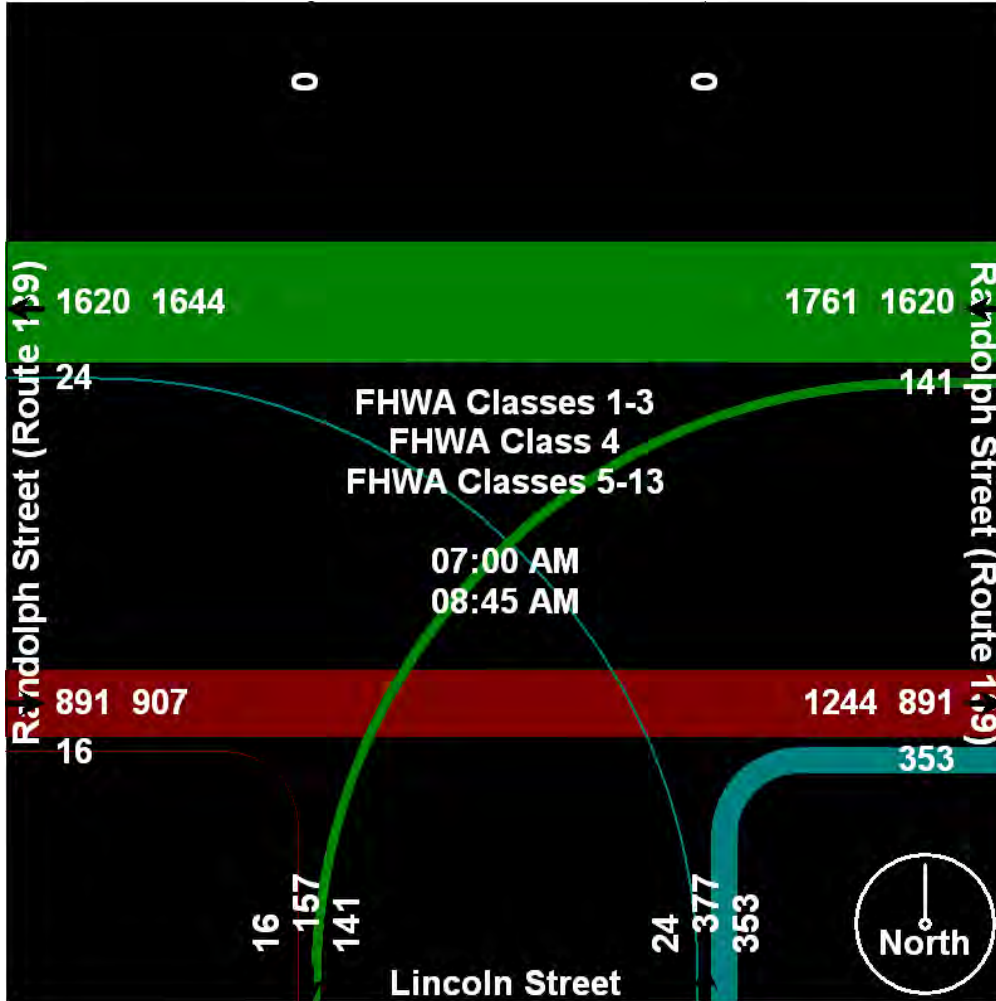
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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
07:00 AM	19	212	0	231	2	66	0	68	108	0	0	108	407
07:15 AM	21	229	0	250	1	50	0	51	111	0	0	111	412
07:30 AM	22	236	0	258	11	40	0	51	107	8	0	115	424
07:45 AM	21	204	0	225	2	44	0	46	109	1	0	110	381
Total	83	881	0	964	16	200	0	216	435	9	0	444	1624
08:00 AM	15	231	0	246	4	43	0	47	105	2	0	107	400
08:15 AM	16	206	0	222	2	25	0	27	102	0	0	102	351
08:30 AM	15	161	0	176	1	40	0	41	120	3	0	123	340
08:45 AM	12	141	0	153	1	45	0	46	129	2	0	131	330
Total	58	739	0	797	8	153	0	161	456	7	0	463	1421
Grand Total	141	1620	0	1761	24	353	0	377	891	16	0	907	3045
Apprch %	8	92	0		6.4	93.6	0		98.2	1.8	0		
Total %	4.6	53.2	0	57.8	0.8	11.6	0	12.4	29.3	0.5	0	29.8	
FHWA Classes 1-3	137	1576	0	1713	20	349	0	369	860	15	0	875	2957
% FHWA Classes 1-3	97.2	97.3	0	97.3	83.3	98.9	0	97.9	96.5	93.8	0	96.5	97.1
FHWA Class 4	2	6	0	8	2	2	0	4	11	0	0	11	23
% FHWA Class 4	1.4	0.4	0	0.5	8.3	0.6	0	1.1	1.2	0	0	1.2	0.8
FHWA Classes 5-13	2	38	0	40	2	2	0	4	20	1	0	21	65
% FHWA Classes 5-13	1.4	2.3	0	2.3	8.3	0.6	0	1.1	2.2	6.2	0	2.3	2.1



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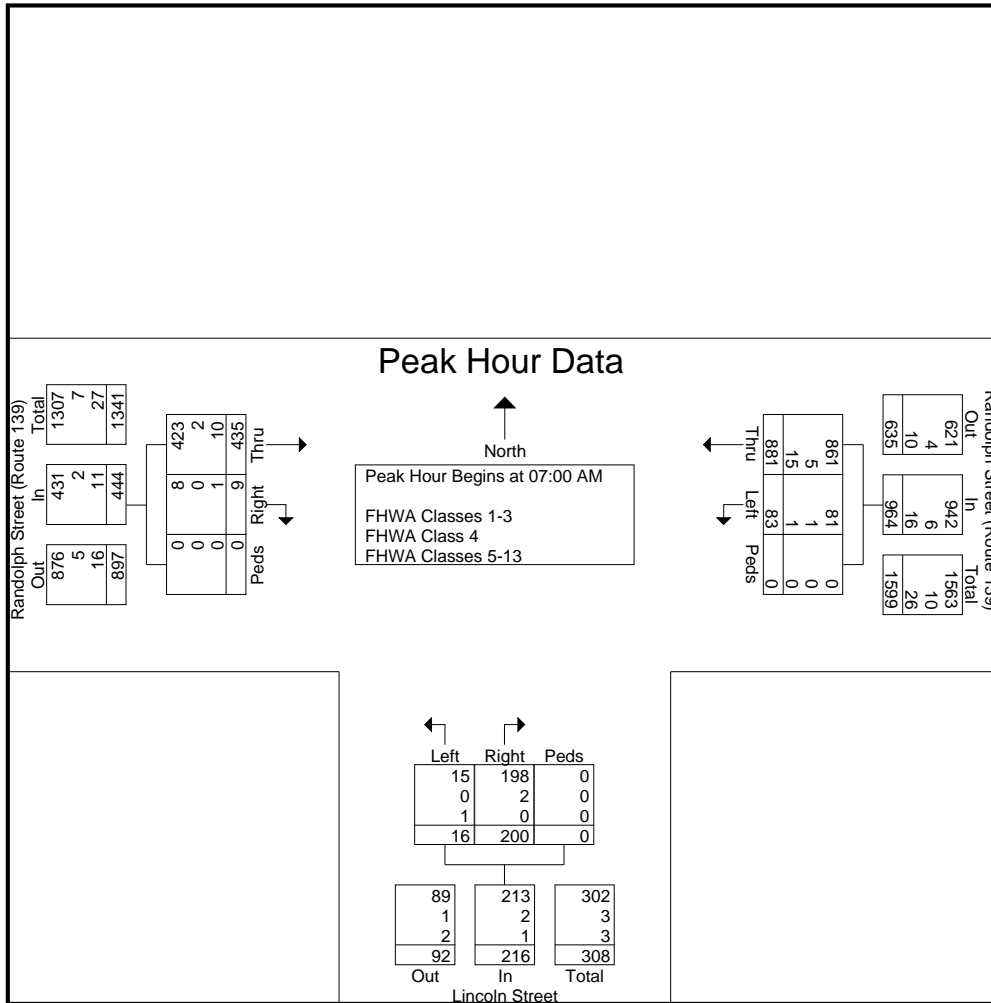


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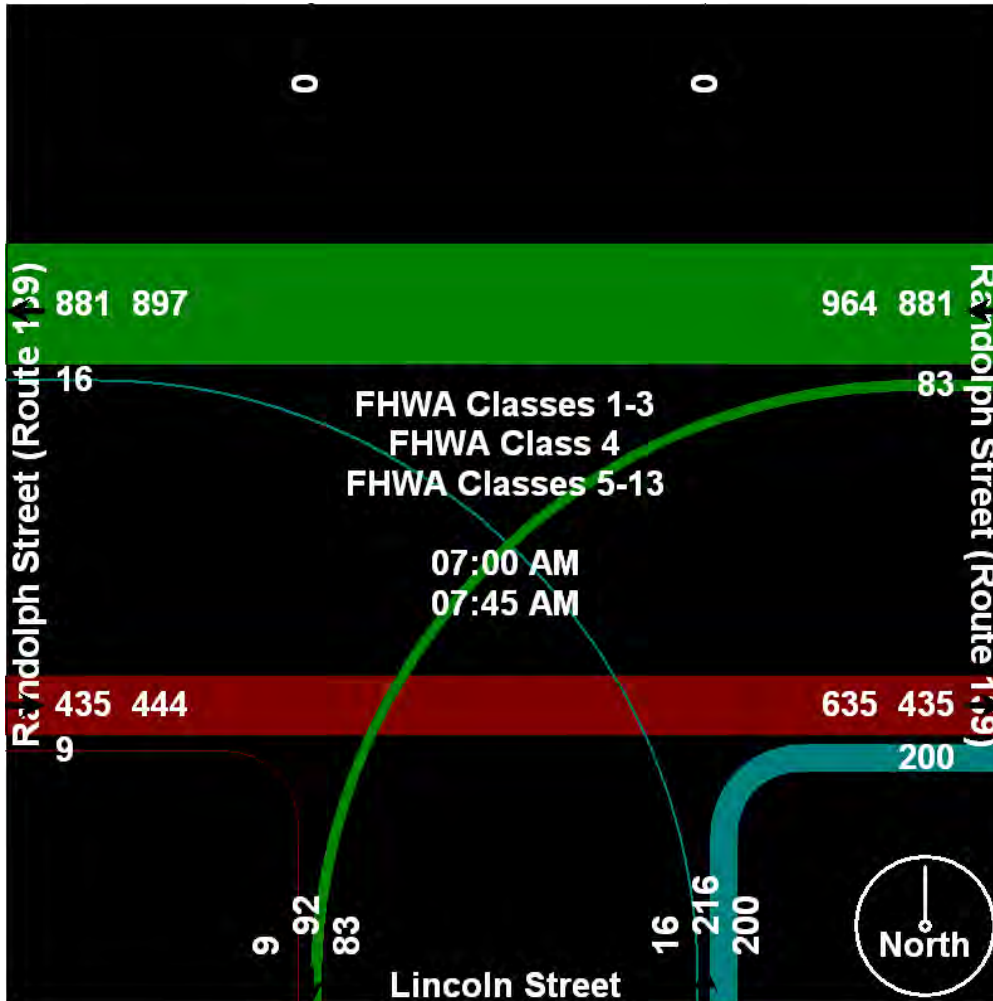
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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:00 AM													
07:00 AM	19	212	0	231	2	66	0	68	108	0	0	108	407
07:15 AM	21	229	0	250	1	50	0	51	111	0	0	111	412
07:30 AM	22	236	0	258	11	40	0	51	107	8	0	115	424
07:45 AM	21	204	0	225	2	44	0	46	109	1	0	110	381
Total Volume	83	881	0	964	16	200	0	216	435	9	0	444	1624
% App. Total	8.6	91.4	0		7.4	92.6	0		98	2	0		
PHF	.943	.933	.000	.934	.364	.758	.000	.794	.980	.281	.000	.965	.958
FHWA Classes 1-3	81	861	0	942	15	198	0	213	423	8	0	431	1586
% FHWA Classes 1-3	97.6	97.7	0	97.7	93.8	99.0	0	98.6	97.2	88.9	0	97.1	97.7
FHWA Class 4	1	5	0	6	0	2	0	2	2	0	0	2	10
% FHWA Class 4	1.2	0.6	0	0.6	0	1.0	0	0.9	0.5	0	0	0.5	0.6
FHWA Classes 5-13	1	15	0	16	1	0	0	1	10	1	0	11	28
% FHWA Classes 5-13	1.2	1.7	0	1.7	6.3	0	0	0.5	2.3	11.1	0	2.5	1.7



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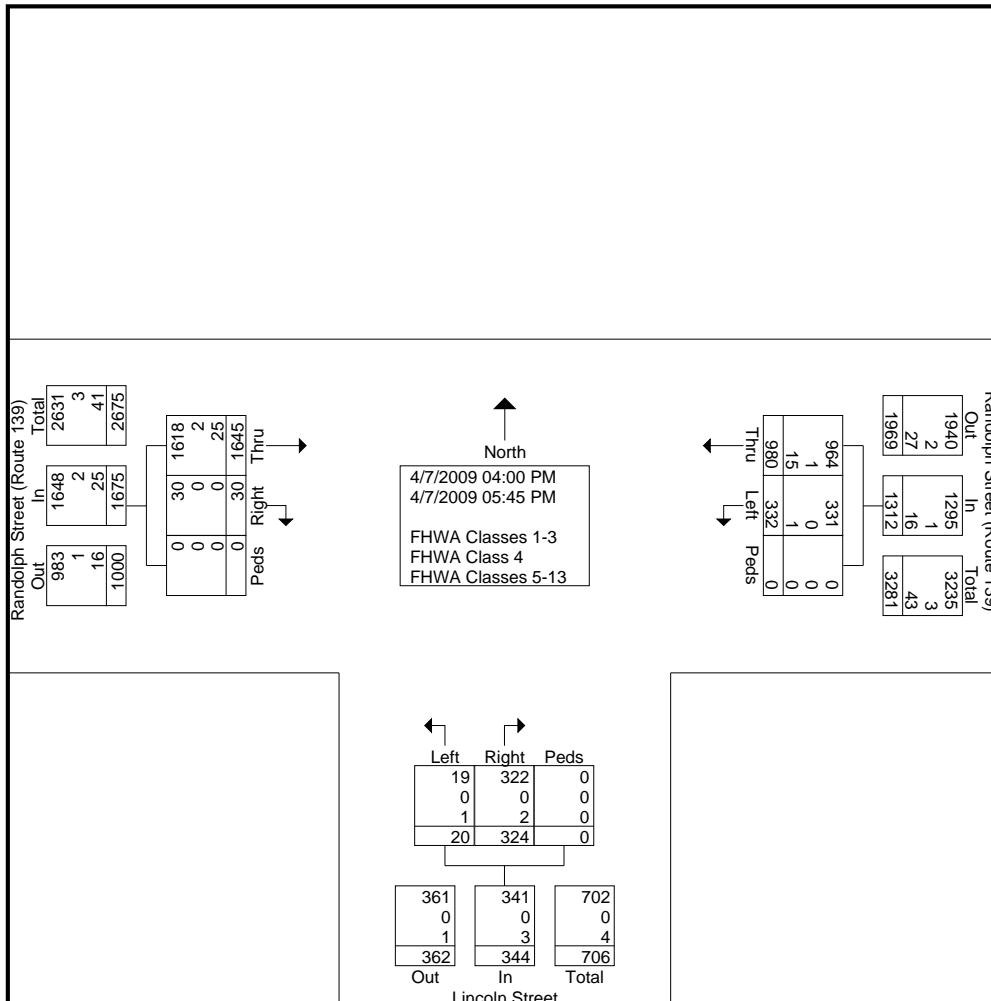
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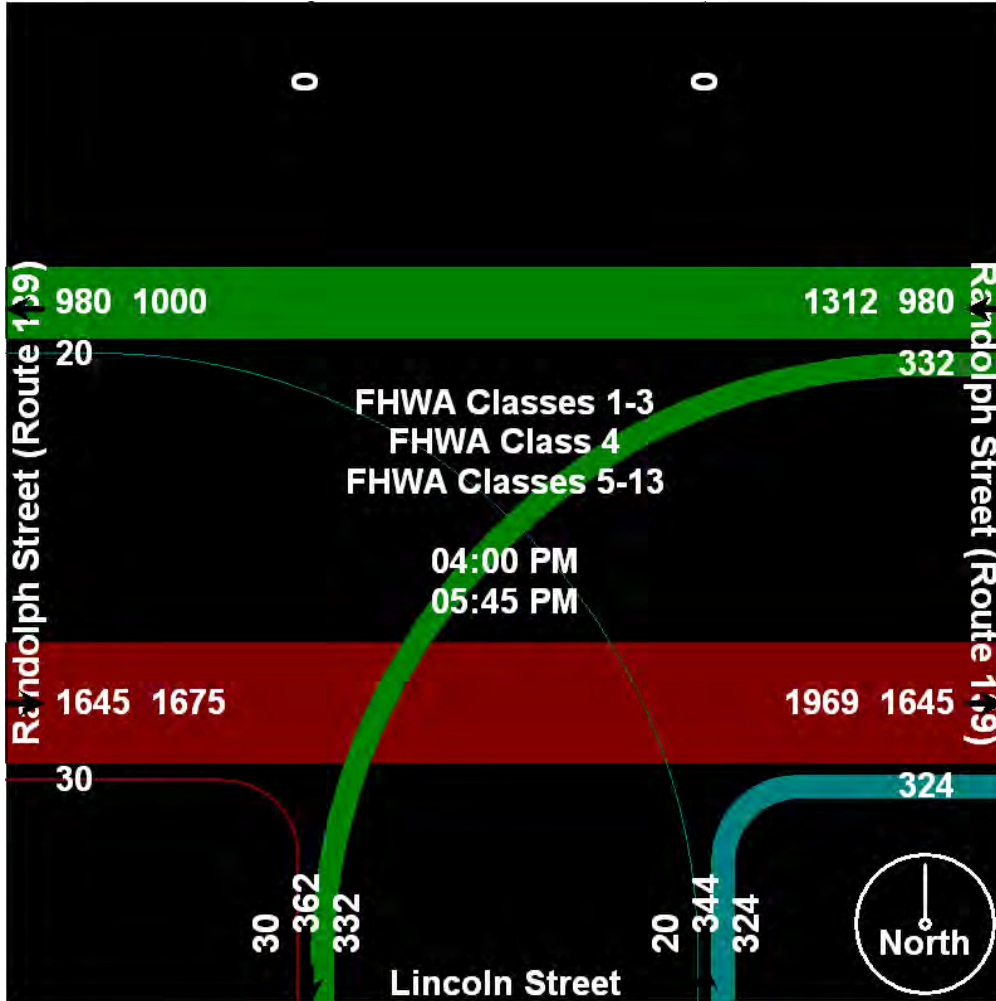
Start Time Factor	Randolph Street (Route 139) Westbound				Lincoln Street Northbound				Randolph Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
04:00 PM	44	141	0	185	2	32	0	34	212	2	0	214	433
04:15 PM	30	122	0	152	0	46	0	46	179	8	0	187	385
04:30 PM	40	135	0	175	8	29	0	37	182	6	0	188	400
04:45 PM	49	125	0	174	0	55	0	55	209	2	0	211	440
Total	163	523	0	686	10	162	0	172	782	18	0	800	1658
05:00 PM	57	110	0	167	3	35	0	38	214	2	0	216	421
05:15 PM	35	152	0	187	3	41	0	44	223	6	0	229	460
05:30 PM	40	110	0	150	4	36	0	40	222	1	0	223	413
05:45 PM	37	85	0	122	0	50	0	50	204	3	0	207	379
Total	169	457	0	626	10	162	0	172	863	12	0	875	1673
Grand Total	332	980	0	1312	20	324	0	344	1645	30	0	1675	3331
Apprch %	25.3	74.7	0		5.8	94.2	0		98.2	1.8	0		
Total %	10	29.4	0	39.4	0.6	9.7	0	10.3	49.4	0.9	0	50.3	
FHWA Classes 1-3	331	964	0	1295	19	322	0	341	1618	30	0	1648	3284
% FHWA Classes 1-3	99.7	98.4	0	98.7	95	99.4	0	99.1	98.4	100	0	98.4	98.6
FHWA Class 4	0	1	0	1	0	0	0	0	2	0	0	2	3
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0.1	0	0	0.1	0.1
FHWA Classes 5-13	1	15	0	16	1	2	0	3	25	0	0	25	44
% FHWA Classes 5-13	0.3	1.5	0	1.2	5	0.6	0	0.9	1.5	0	0	1.5	1.3



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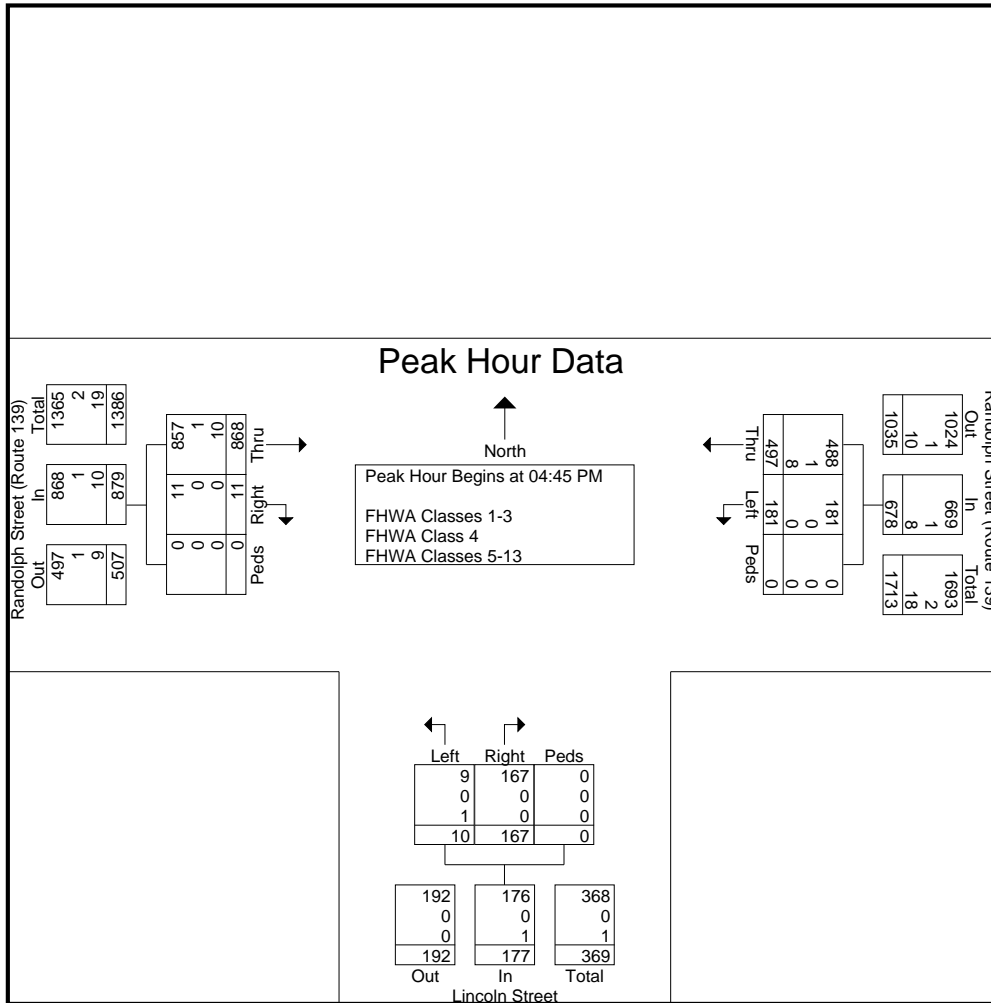


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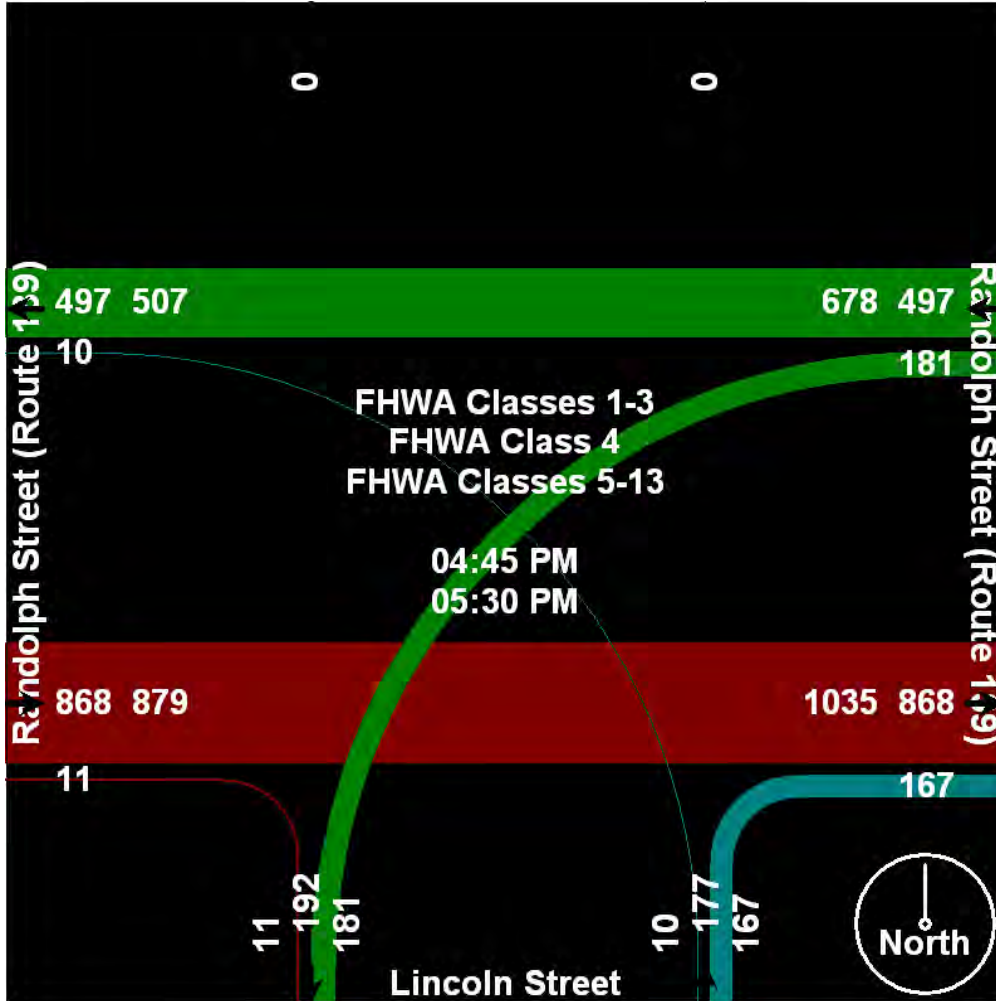
Start Time	Randolph Street (Route 139) Westbound				Lincoln Street Northbound				Randolph Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	49	125	0	174	0	55	0	55	209	2	0	211	440
05:00 PM	57	110	0	167	3	35	0	38	214	2	0	216	421
05:15 PM	35	152	0	187	3	41	0	44	223	6	0	229	460
05:30 PM	40	110	0	150	4	36	0	40	222	1	0	223	413
Total Volume	181	497	0	678	10	167	0	177	868	11	0	879	1734
% App. Total	26.7	73.3	0		5.6	94.4	0		98.7	1.3	0		
PHF	.794	.817	.000	.906	.625	.759	.000	.805	.973	.458	.000	.960	.942
FHWA Classes 1-3	181	488	0	669	9	167	0	176	857	11	0	868	1713
% FHWA Classes 1-3	100	98.2	0	98.7	90.0	100	0	99.4	98.7	100	0	98.7	98.8
FHWA Class 4	0	1	0	1	0	0	0	0	1	0	0	1	2
% FHWA Class 4	0	0.2	0	0.1	0	0	0	0	0.1	0	0	0.1	0.1
FHWA Classes 5-13	0	8	0	8	1	0	0	1	10	0	0	10	19
% FHWA Classes 5-13	0	1.6	0	1.2	10.0	0	0	0.6	1.2	0	0	1.1	1.1



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

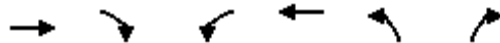
Community: Abington
Weather: Clear
Board #: DB-400 (6)
Staff: BH

File Name : 01_Randolph(139)&Lincoln_PM
Site Code : 01
Start Date : 4/7/2009
Page No : 4



HCM Unsignalized Intersection Capacity Analysis
 3: Randolph Street (Route 139) & Lincoln Street

2009 AM Peak Hour LOS



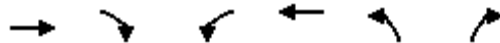
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↻			↻	↻	↻
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	435	9	83	881	16	200
Peak Hour Factor	0.97	0.97	0.93	0.93	0.79	0.79
Hourly flow rate (vph)	448	9	89	947	20	253
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			458		1579	453
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			458		1579	453
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			92		82	58
cM capacity (veh/h)			1103		111	609

Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	458	1037	273
Volume Left	0	89	20
Volume Right	9	0	253
cSH	1700	1103	457
Volume to Capacity	0.27	0.08	0.60
Queue Length 95th (ft)	0	7	96
Control Delay (s)	0.0	2.2	23.9
Lane LOS		A	C
Approach Delay (s)	0.0	2.2	23.9
Approach LOS			C

Intersection Summary			
Average Delay		5.0	
Intersection Capacity Utilization	97.6%	ICU Level of Service	F
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: Randolph Street (Route 139) & Lincoln Street

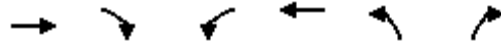
2009 PM Peak Hour LOS



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↻			↻	↻	↻
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	868	11	181	497	10	167
Peak Hour Factor	0.96	0.96	0.91	0.91	0.81	0.81
Hourly flow rate (vph)	904	11	199	546	12	206
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			916		1854	910
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			916		1854	910
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			73		80	39
cM capacity (veh/h)			749		60	336
Direction, Lane #	EB 1	WB 1	NB 1			
Volume Total	916	745	219			
Volume Left	0	199	12			
Volume Right	11	0	206			
cSH	1700	749	267			
Volume to Capacity	0.54	0.27	0.82			
Queue Length 95th (ft)	0	27	163			
Control Delay (s)	0.0	6.4	59.2			
Lane LOS		A	F			
Approach Delay (s)	0.0	6.4	59.2			
Approach LOS			F			
Intersection Summary						
Average Delay			9.4			
Intersection Capacity Utilization		103.4%		ICU Level of Service		G
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Randolph Street (Route 139) & Lincoln Street

Projected 2014 AM Peak Hour LOS



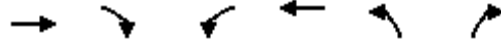
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↻			↻	↻	↻
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	435	9	83	881	16	200
Peak Hour Factor	0.97	0.97	0.93	0.93	0.79	0.79
Hourly flow rate (vph)	471	10	94	995	21	266
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			481	1658	476	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			481	1658	476	
tC, single (s)			4.1	6.4	6.2	
tC, 2 stage (s)						
tF (s)			2.2	3.5	3.3	
p0 queue free %			91	78	55	
cM capacity (veh/h)			1082	99	591	

Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	481	1088	287
Volume Left	0	94	21
Volume Right	10	0	266
cSH	1700	1082	432
Volume to Capacity	0.28	0.09	0.67
Queue Length 95th (ft)	0	7	118
Control Delay (s)	0.0	2.4	28.4
Lane LOS		A	D
Approach Delay (s)	0.0	2.4	28.4
Approach LOS			D

Intersection Summary			
Average Delay		5.8	
Intersection Capacity Utilization	102.0%	ICU Level of Service	G
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Randolph Street (Route 139) & Lincoln Street

Forecast 2014 PM Peak Hour LOS



Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↻			↻	↻	
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	868	11	181	497	10	167
Peak Hour Factor	0.96	0.96	0.91	0.91	0.81	0.81
Hourly flow rate (vph)	949	12	209	573	13	216
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			961	1947	955	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			961	1947	955	
tC, single (s)			4.1	6.4	6.2	
tC, 2 stage (s)						
tF (s)			2.2	3.5	3.3	
p0 queue free %			71	75	31	
cM capacity (veh/h)			720	51	316	

Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	961	782	229
Volume Left	0	209	13
Volume Right	12	0	216
cSH	1700	720	244
Volume to Capacity	0.57	0.29	0.94
Queue Length 95th (ft)	0	30	210
Control Delay (s)	0.0	7.1	86.1
Lane LOS		A	F
Approach Delay (s)	0.0	7.1	86.1
Approach LOS			F

Intersection Summary			
Average Delay		12.8	
Intersection Capacity Utilization	108.1%	ICU Level of Service	G
Analysis Period (min)	15		

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : Apr-09

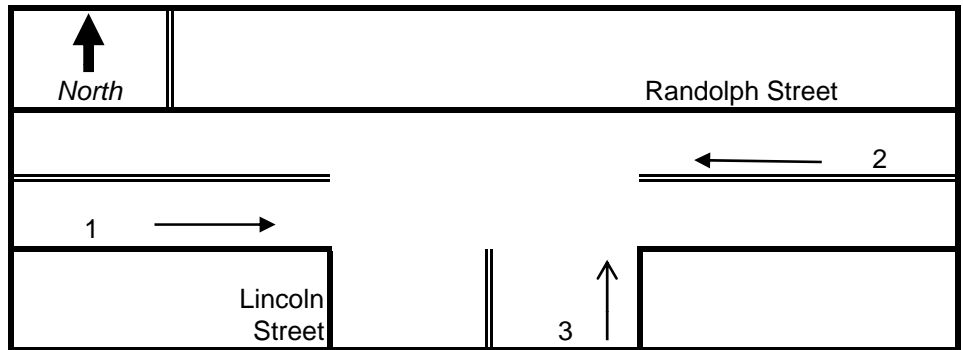
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Randolph Street (Route 139)

MINOR STREET(S) : Lincoln Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	879	678	177			1,734

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

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

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

Comments : _____

Project Title & Date: _____

Old Colong Planning Council

70 School Street, Brockton, MA. 02301

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

Signal Warrants - Summary

Major Street Approaches

Northbound: Randolph St (Route 139)

Number of Lanes: 1
Approach Speed: 45
Total Approach Volume: 8,674

Southbound: Randolph St (Route 139)

Number of Lanes: 1
Approach Speed: 445
Total Approach Volume: 8,241

Minor Street Approaches

Eastbound: Lincoln Street

Number of Lanes: 1

Total Approach Volume: 1,452

Westbound:

Number of Lanes: 1

Total Approach Volume: 0

Warrant Summary (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume Not Satisfied	
Required volumes reached for 4 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic Satisfied	
Required volumes reached for 14 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants Not Satisfied	
Required volumes reached for 7 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (13) volumes exceed minimum \geq minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay Not Satisfied	
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes Satisfied	
Volumes exceed minimums for at least one hour.	
Warrant 4 - Pedestrian Volumes	Not Satisfied
Required 4 Hr pedestrian volume reached for 0 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps $>$.0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (1) is less than minimum (5). Volume minimums are met.	
Warrant 8 - Roadway Network	Satisfied
Major Route conditions met. Volume requirements met.	

Old Colony Planning Council

70 School Street

Brockton, MA 02301

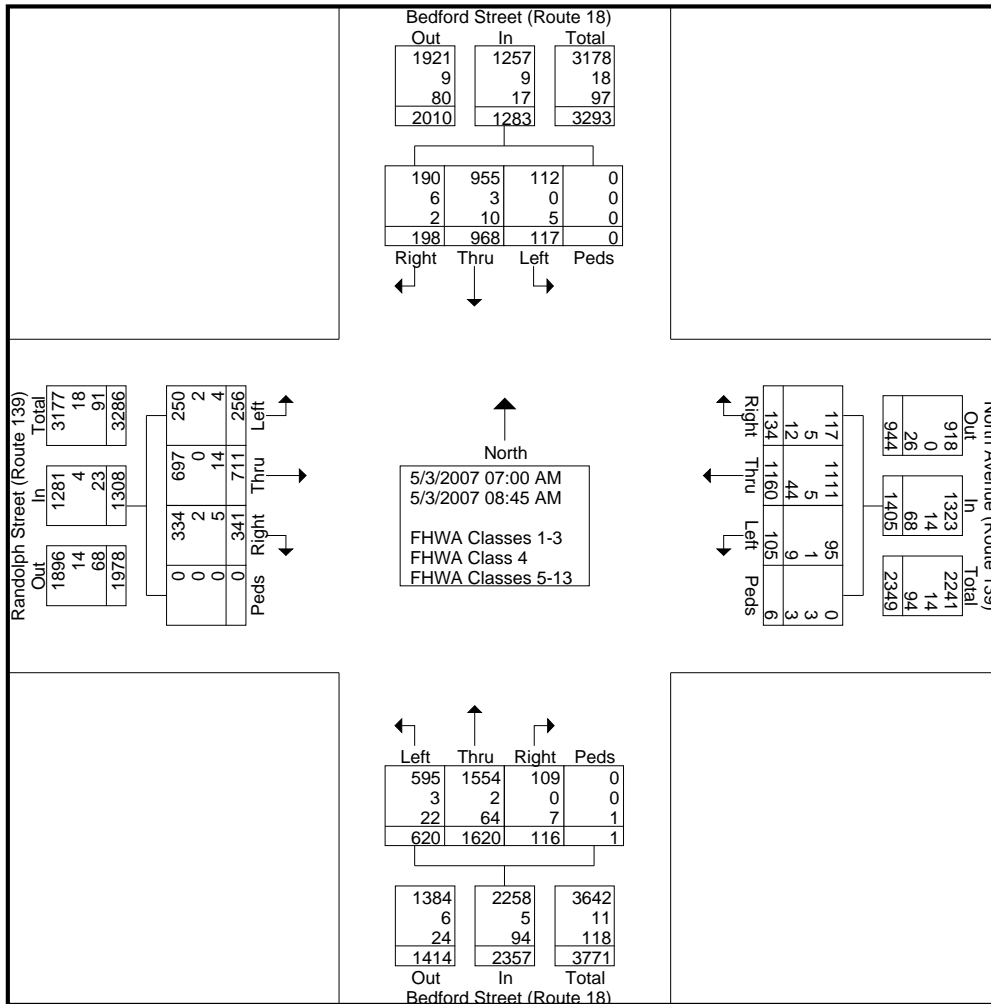
508-583-1833

Community: Abington
 Weather: Clear
 Board #: DB-400 (1) & TDC-8 (3)
 Staff: RG & BH

File Name : 1_Bedford&North_AM
 Site Code : 1
 Start Date : 5/3/2007
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

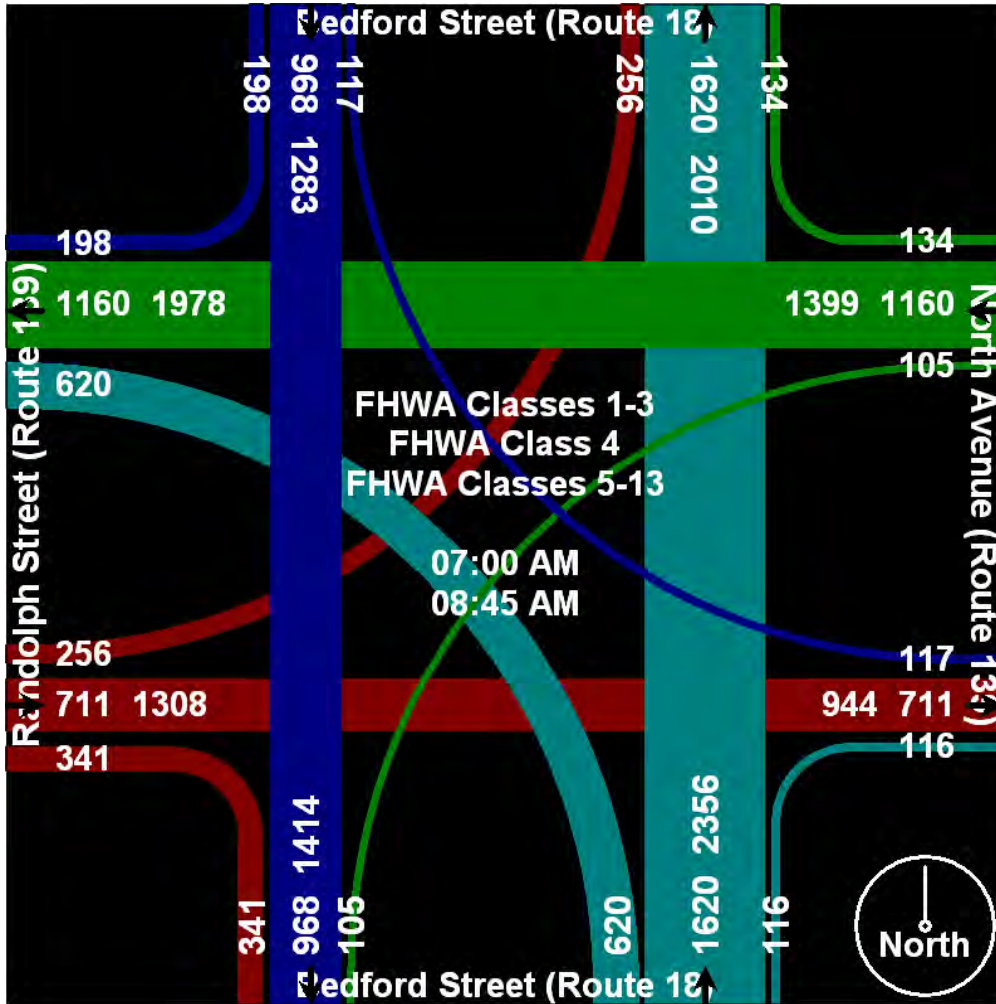
Start Time Factor	Bedford Street (Route 18) Southbound					North Avenue (Route 139) Westbound					Bedford Street (Route 18) Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
	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	136	26	0	169	27	136	19	1	183	89	168	14	0	271	23	79	105	0	207	830
07:15 AM	10	118	21	0	149	11	176	15	0	202	84	250	19	0	353	31	88	53	0	172	876
07:30 AM	14	124	25	0	163	10	163	9	0	182	85	237	13	1	336	36	99	29	0	164	845
07:45 AM	23	107	30	0	160	13	147	24	1	185	82	224	25	0	331	31	112	26	0	169	845
Total	54	485	102	0	641	61	622	67	2	752	340	879	71	1	1291	121	378	213	0	712	3396
08:00 AM	18	146	25	0	189	14	155	17	0	186	70	174	15	0	259	42	102	29	0	173	807
08:15 AM	16	131	30	0	177	10	155	18	0	183	70	205	12	0	287	35	81	36	0	152	799
08:30 AM	19	113	23	0	155	10	133	21	0	164	48	162	10	0	220	31	93	32	0	156	695
08:45 AM	10	93	18	0	121	10	95	11	4	120	92	200	8	0	300	27	57	31	0	115	656
Total	63	483	96	0	642	44	538	67	4	653	280	741	45	0	1066	135	333	128	0	596	2957
Grand Total	117	968	198	0	1283	105	1160	134	6	1405	620	1620	116	1	2357	256	711	341	0	1308	6353
Apprch %	9.1	75.4	15.4	0		7.5	82.6	9.5	0.4		26.3	68.7	4.9	0		19.6	54.4	26.1	0		
Total %	1.8	15.2	3.1	0	20.2	1.7	18.3	2.1	0.1	22.1	9.8	25.5	1.8	0	37.1	4	11.2	5.4	0	20.6	
FHWA Classes 1-3	112	955	190	0	1257	95	1111	117	0	1323	595	1554	109	0	2258	250	697	334	0	1281	6119
% FHWA Classes 1-3	95.7	98.7	96	0	98	90.5	95.8	87.3	0	94.2	96	95.9	94	0	95.8	97.7	98	97.9	0	97.9	96.3
FHWA Class 4	0	3	6	0	9	1	5	5	3	14	3	2	0	0	5	2	0	2	0	4	32
% FHWA Class 4	0	0.3	3	0	0.7	1	0.4	3.7	50	1	0.5	0.1	0	0	0.2	0.8	0	0.6	0	0.3	0.5
FHWA Classes 5-13	5	10	2	0	17	9	44	12	3	68	22	64	7	1	94	4	14	5	0	23	202
% FHWA Classes 5-13	4.3	1	1	0	1.3	8.6	3.8	9	50	4.8	3.5	4	6	100	4	1.6	2	1.5	0	1.8	3.2



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

Community: Abington
Weather: Clear
Board #: DB-400 (1) & TDC-8 (3)
Staff: RG & BH

File Name : 1_Bedford&North_AM
Site Code : 1
Start Date : 5/3/2007
Page No : 2



Old Colony Planning Council

70 School Street

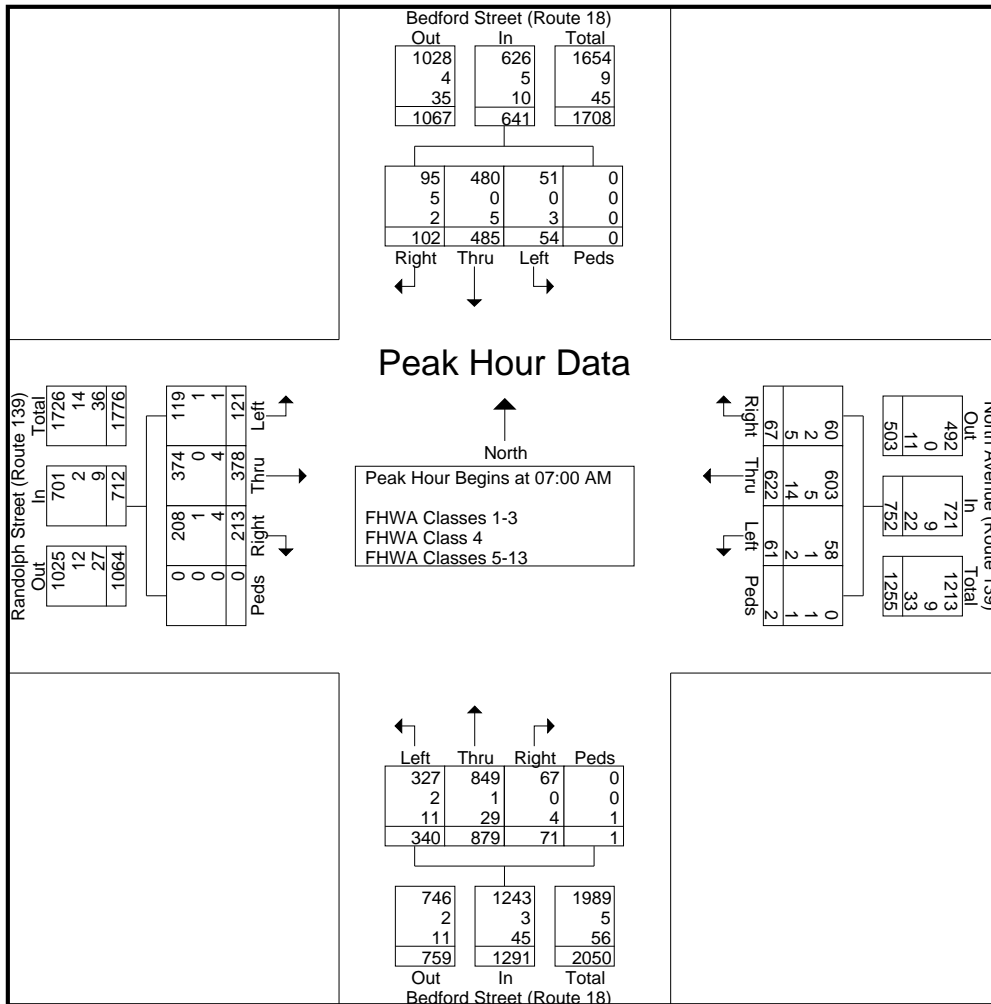
Brockton, MA 02301

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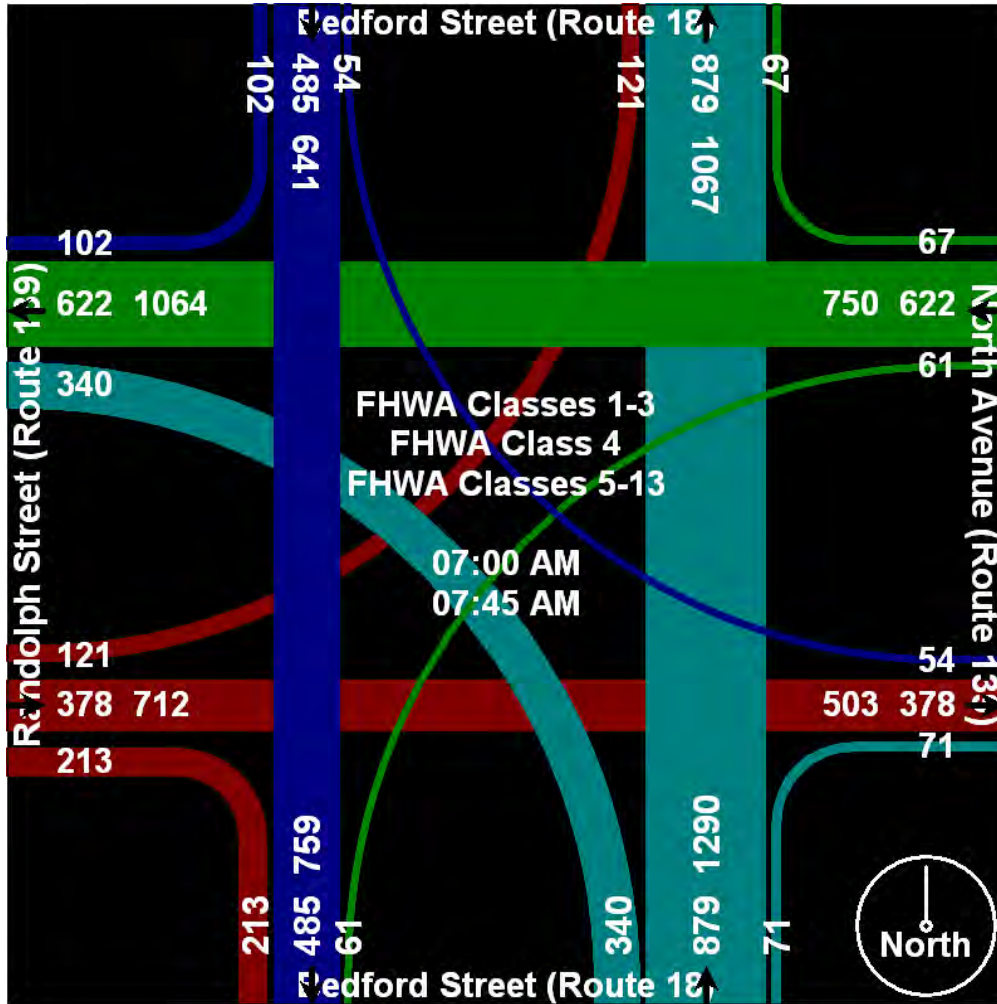
Start Time	Bedford Street (Route 18) Southbound					North Avenue (Route 139) Westbound					Bedford Street (Route 18) Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	7	136	26	0	169	27	136	19	1	183	89	168	14	0	271	23	79	105	0	207	830
07:15 AM	10	118	21	0	149	11	176	15	0	202	84	250	19	0	353	31	88	53	0	172	876
07:30 AM	14	124	25	0	163	10	163	9	0	182	85	237	13	1	336	36	99	29	0	164	845
07:45 AM	23	107	30	0	160	13	147	24	1	185	82	224	25	0	331	31	112	26	0	169	845
Total Volume	54	485	102	0	641	61	622	67	2	752	340	879	71	1	1291	121	378	213	0	712	3396
% App. Total	8.4	75.7	15.9	0		8.1	82.7	8.9	0.3		26.3	68.1	5.5	0.1		17	53.1	29.9	0		
PHF	.587	.892	.850	.000	.948	.565	.884	.698	.500	.931	.955	.879	.710	.250	.914	.840	.844	.507	.000	.860	.969
FHWA Classes 1-3	51	480	95	0	626	58	603	60	0	721	327	849	67	0	1243	119	374	208	0	701	3291
% FHWA Classes 1-3	94.4	99.0	93.1	0	97.7	95.1	96.9	89.6	0	95.9	96.2	96.6	94.4	0	96.3	98.3	98.9	97.7	0	98.5	96.9
FHWA Class 4	0	0	5	0	5	1	5	2	1	9	2	1	0	0	3	1	0	1	0	2	19
% FHWA Class 4	0	0	4.9	0	0.8	1.6	0.8	3.0	50.0	1.2	0.6	0.1	0	0	0.2	0.8	0	0.5	0	0.3	0.6
FHWA Classes 5-13	3	5	2	0	10	2	14	5	1	22	11	29	4	1	45	1	4	4	0	9	86
% FHWA Classes 5-13	5.6	1.0	2.0	0	1.6	3.3	2.3	7.5	50.0	2.9	3.2	3.3	5.6	100	3.5	0.8	1.1	1.9	0	1.3	2.5



Old Colony Planning Council
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Old Colony Planning Council

70 School Street

Brockton, MA 02301

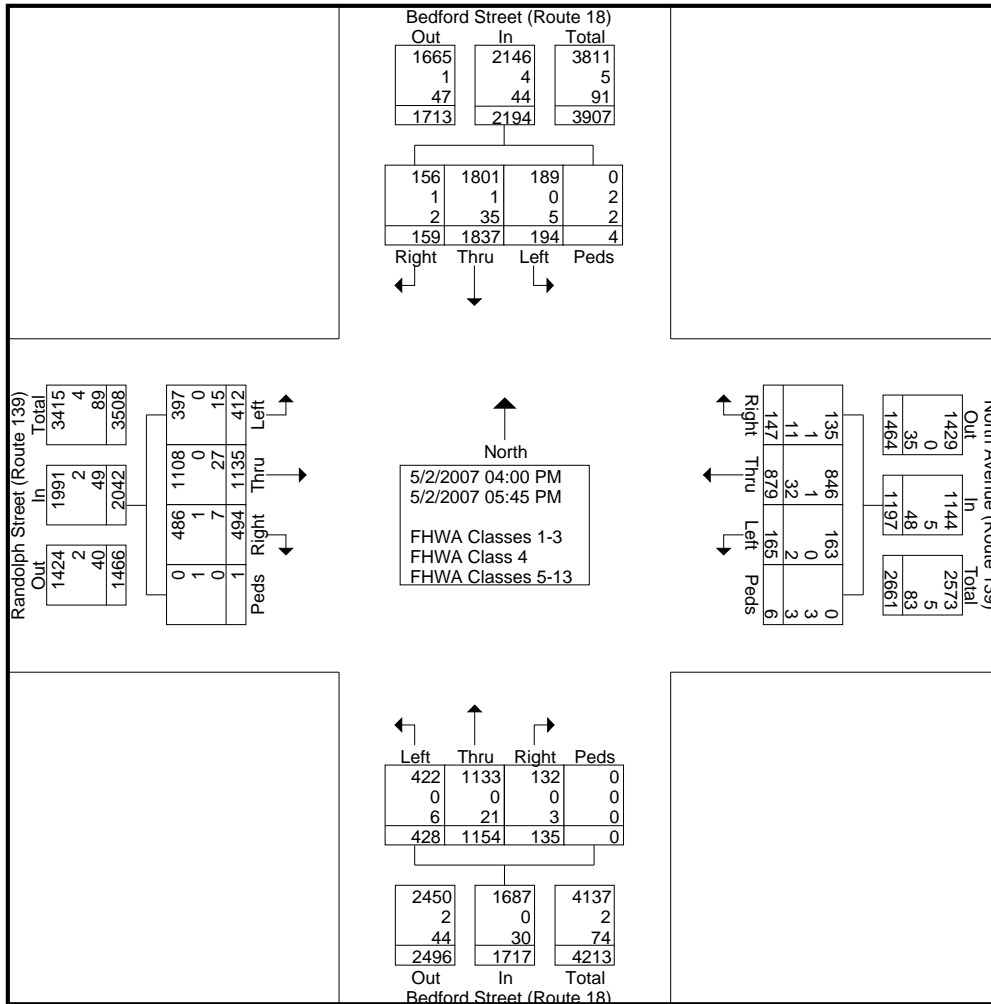
508-583-1833

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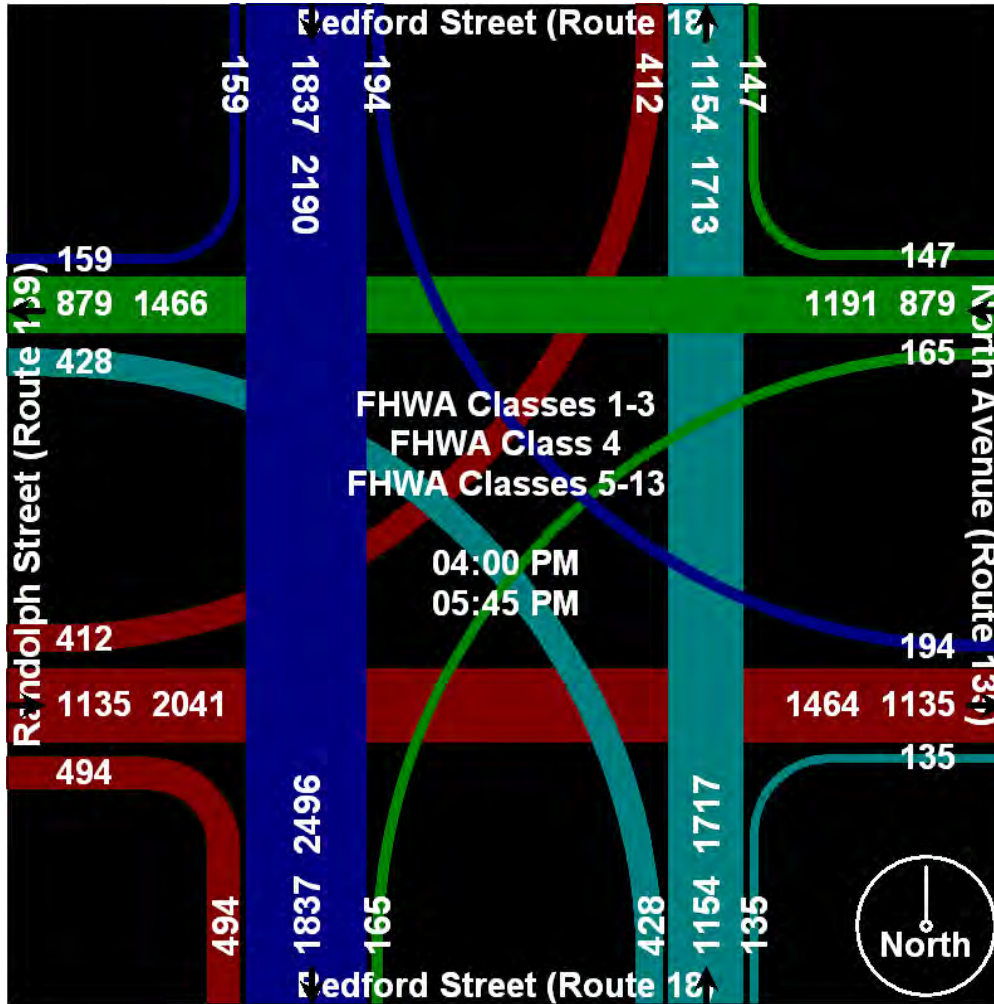
Start Time Factor	Bedford Street (Route 18) Southbound					North Avenue (Route 139) Westbound					Bedford Street (Route 18) Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
	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	21	186	15	0	222	25	87	20	2	134	58	142	13	0	213	41	132	63	0	236	805
04:15 PM	16	212	21	1	250	14	96	16	0	126	39	140	18	0	197	33	133	43	0	209	782
04:30 PM	22	193	11	0	226	25	115	15	0	155	64	133	16	0	213	47	132	56	0	235	829
04:45 PM	25	229	25	1	280	20	80	20	2	122	46	162	18	0	226	44	146	47	0	237	865
Total	84	820	72	2	978	84	378	71	4	537	207	577	65	0	849	165	543	209	0	917	3281
05:00 PM	30	233	13	1	277	20	139	17	0	176	69	139	16	0	224	78	140	72	0	290	967
05:15 PM	22	232	31	1	286	21	134	25	1	181	52	166	21	0	239	62	133	75	1	271	977
05:30 PM	34	260	27	0	321	20	129	14	1	164	50	143	18	0	211	33	161	74	0	268	964
05:45 PM	24	292	16	0	332	20	99	20	0	139	50	129	15	0	194	74	158	64	0	296	961
Total	110	1017	87	2	1216	81	501	76	2	660	221	577	70	0	868	247	592	285	1	1125	3869
Grand Total	194	1837	159	4	2194	165	879	147	6	1197	428	1154	135	0	1717	412	1135	494	1	2042	7150
Apprch %	8.8	83.7	7.2	0.2		13.8	73.4	12.3	0.5		24.9	67.2	7.9	0		20.2	55.6	24.2	0		
Total %	2.7	25.7	2.2	0.1	30.7	2.3	12.3	2.1	0.1	16.7	6	16.1	1.9	0	24	5.8	15.9	6.9	0	28.6	
FHWA Classes 1-3	189	1801	156	0	2146	163	846	135	0	1144	422	1133	132	0	1687	397	1108	486	0	1991	6968
% FHWA Classes 1-3	97.4	98	98.1	0	97.8	98.8	96.2	91.8	0	95.6	98.6	98.2	97.8	0	98.3	96.4	97.6	98.4	0	97.5	97.5
FHWA Class 4	0	1	1	2	4	0	1	1	3	5	0	0	0	0	0	0	0	1	1	2	11
% FHWA Class 4	0	0.1	0.6	50	0.2	0	0.1	0.7	50	0.4	0	0	0	0	0	0	0	0.2	100	0.1	0.2
FHWA Classes 5-13	5	35	2	2	44	2	32	11	3	48	6	21	3	0	30	15	27	7	0	49	171
% FHWA Classes 5-13	2.6	1.9	1.3	50	2	1.2	3.6	7.5	50	4	1.4	1.8	2.2	0	1.7	3.6	2.4	1.4	0	2.4	2.4



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Old Colony Planning Council

70 School Street

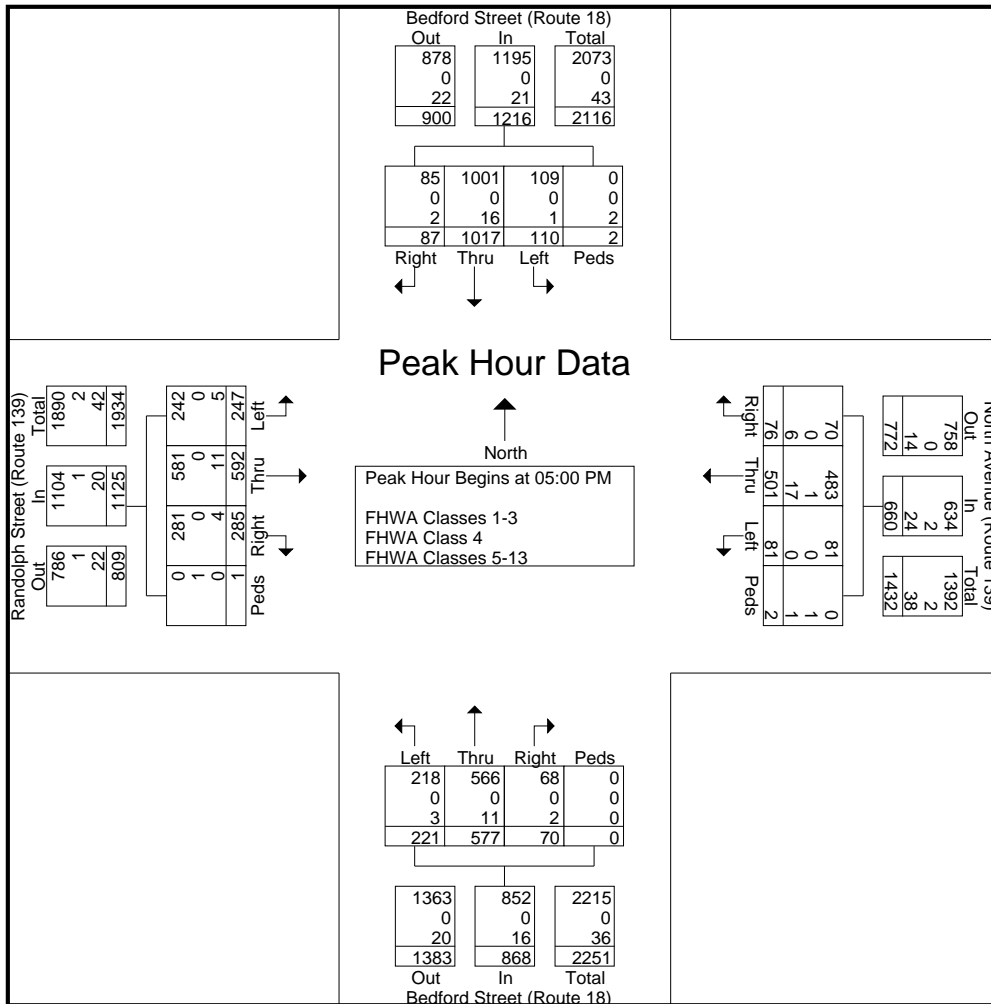
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 Start Date : 5/2/2007
 Page No : 3

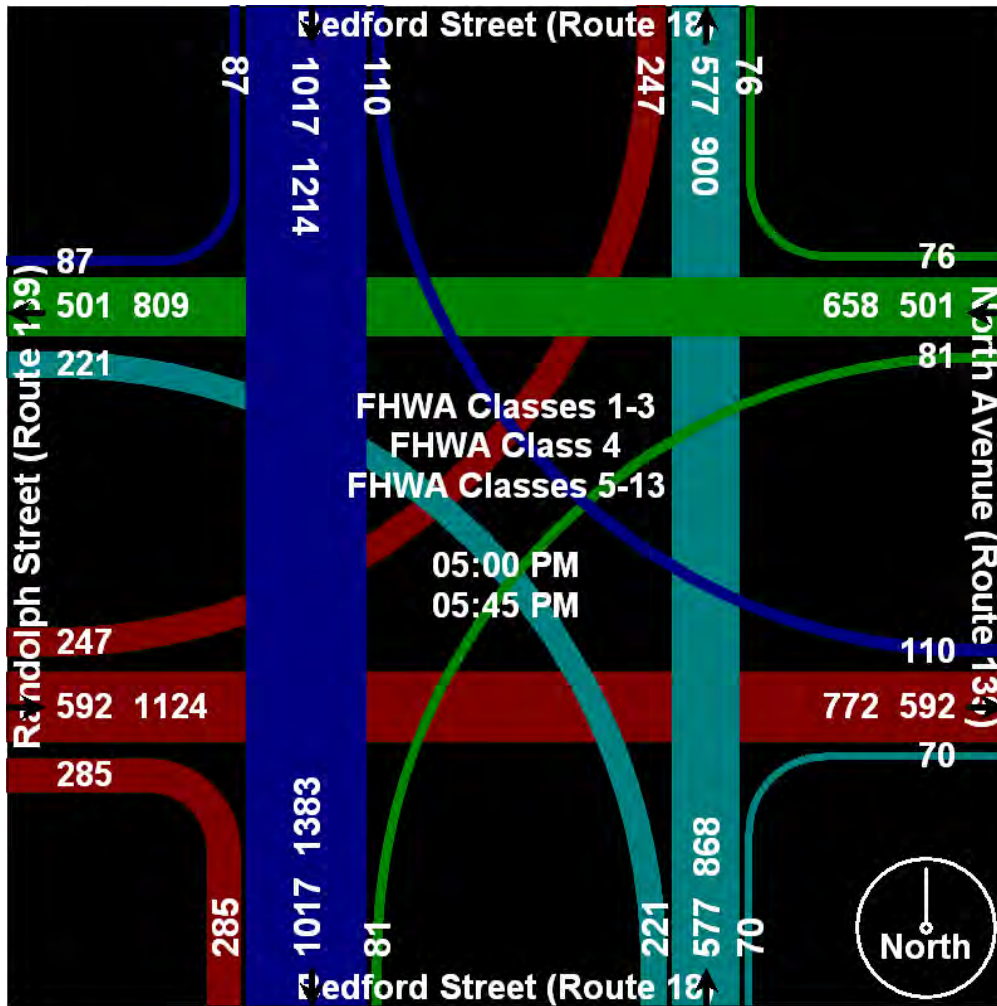
Start Time	Bedford Street (Route 18) Southbound					North Avenue (Route 139) Westbound					Bedford Street (Route 18) Northbound					Randolph Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	30	233	13	1	277	20	139	17	0	176	69	139	16	0	224	78	140	72	0	290	967
05:15 PM	22	232	31	1	286	21	134	25	1	181	52	166	21	0	239	62	133	75	1	271	977
05:30 PM	34	260	27	0	321	20	129	14	1	164	50	143	18	0	211	33	161	74	0	268	964
05:45 PM	24	292	16	0	332	20	99	20	0	139	50	129	15	0	194	74	158	64	0	296	961
Total Volume	110	1017	87	2	1216	81	501	76	2	660	221	577	70	0	868	247	592	285	1	1125	3869
% App. Total	9	83.6	7.2	0.2		12.3	75.9	11.5	0.3		25.5	66.5	8.1	0		22	52.6	25.3	0.1		
PHF	.809	.871	.702	.500	.916	.964	.901	.760	.500	.912	.801	.869	.833	.000	.908	.792	.919	.950	.250	.950	.990
FHWA Classes 1-3	109	1001	85	0	1195	81	483	70	0	634	218	566	68	0	852	242	581	281	0	1104	3785
% FHWA Classes 1-3	99.1	98.4	97.7	0	98.3	100	96.4	92.1	0	96.1	98.6	98.1	97.1	0	98.2	98.0	98.1	98.6	0	98.1	97.8
FHWA Class 4	0	0	0	0	0	0	1	0	1	2	0	0	0	0	0	0	0	0	1	1	3
% FHWA Class 4	0	0	0	0	0	0	0.2	0	50.0	0.3	0	0	0	0	0	0	0	0	100	0.1	0.1
FHWA Classes 5-13	1	16	2	2	21	0	17	6	1	24	3	11	2	0	16	5	11	4	0	20	81
% FHWA Classes 5-13	0.9	1.6	2.3	100	1.7	0	3.4	7.9	50.0	3.6	1.4	1.9	2.9	0	1.8	2.0	1.9	1.4	0	1.8	2.1



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

Community: Abington
Weather: Clear
Board #: DB-400 (2) & TDC-8 (4)
Staff: JC & KW

File Name : 1_Bedford&North_PM
Site Code : 1
Start Date : 5/2/2007
Page No : 4



HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 18
























2009 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor		0.95	1.00		0.95		1.00	0.95		1.00	0.95	
Frbp, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt		1.00	0.85		0.99		1.00	0.99		1.00	0.97	
Flt Protected		0.99	1.00		1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)		3497	1583		3371		1736	3428		1787	3481	
Flt Permitted		0.53	1.00		0.78		0.19	1.00		0.14	1.00	
Satd. Flow (perm)		1870	1583		2652		354	3428		267	3481	
Volume (vph)	121	378	213	61	622	67	340	879	71	54	485	102
Peak-hour factor, PHF	0.86	0.86	0.86	0.93	0.93	0.93	0.91	0.91	0.91	0.95	0.95	0.95
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	144	448	253	67	682	73	381	985	80	58	521	110
RTOR Reduction (vph)	0	0	21	0	7	0	0	4	0	0	14	0
Lane Group Flow (vph)	0	592	232	0	815	0	381	1061	0	58	617	0
Confl. Peds. (#/hr)				6		6	1		1			
Heavy Vehicles (%)	2%	2%	2%	5%	5%	5%	4%	4%	4%	1%	1%	1%
Turn Type	Perm	pm+ov		Perm	pm+pt			pm+pt				
Protected Phases		4	5		8		5	2		1	6	
Permitted Phases	4	4		8	2			6				
Actuated Green, G (s)		36.3	63.5		36.3		59.4	39.3		44.3	28.2	
Effective Green, g (s)		36.3	63.5		36.3		59.4	39.3		44.3	28.2	
Actuated g/C Ratio		0.35	0.61		0.35		0.57	0.38		0.43	0.27	
Clearance Time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0	3.0		3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		655	1030		928		565	1299		350	947	
v/s Ratio Prot			0.06				c0.18	c0.31		0.03	0.18	
v/s Ratio Perm		c0.32	0.09		0.31		0.21			0.05		
v/c Ratio		0.96dl	0.22		0.88		0.67	0.82		0.17	0.65	
Uniform Delay, d1		32.0	9.0		31.6		16.2	29.0		18.6	33.4	
Progression Factor		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2		15.9	0.1		9.4		6.3	5.8		1.0	3.5	
Delay (s)		47.9	9.1		41.1		22.5	34.7		19.7	36.9	
Level of Service		D	A		D		C	C		B	D	
Approach Delay (s)		36.3			41.1			31.5			35.4	
Approach LOS		D			D			C			D	
Intersection Summary												
HCM Average Control Delay		35.4		HCM Level of Service				D				
HCM Volume to Capacity ratio		0.84										
Actuated Cycle Length (s)		103.7		Sum of lost time (s)				12.0				
Intersection Capacity Utilization		85.4%		ICU Level of Service				E				
Analysis Period (min)		15										
dl Defacto Left Lane. Recode with 1 though lane as a left lane.												
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 18




















2009 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 			 			 	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor		0.95	1.00		0.95		1.00	0.95		1.00	0.95	
Frbp, ped/bikes		1.00	0.99		1.00		1.00	1.00		1.00	1.00	
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt		1.00	0.85		0.98		1.00	0.98		1.00	0.99	
Flt Protected		0.99	1.00		0.99		0.95	1.00		0.95	1.00	
Satd. Flow (prot)		3487	1565		3352		1736	3415		1787	3528	
Flt Permitted		0.56	1.00		0.62		0.09	1.00		0.21	1.00	
Satd. Flow (perm)		1981	1565		2081		166	3415		400	3528	
Volume (vph)	247	592	285	81	501	76	221	577	70	110	1017	87
Peak-hour factor, PHF	0.95	0.95	0.95	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	265	636	306	91	562	85	248	647	78	122	1128	96
RTOR Reduction (vph)	0	0	5	0	8	0	0	7	0	0	5	0
Lane Group Flow (vph)	0	901	301	0	730	0	248	718	0	122	1219	0
Confl. Peds. (#/hr)	1		1	2		2				2		2
Heavy Vehicles (%)	2%	2%	2%	5%	5%	5%	4%	4%	4%	1%	1%	1%
Turn Type	Perm		pm+ov	Perm		pm+pt		pm+pt		pm+pt		pm+pt
Protected Phases		4	5		8		5	2		1	6	
Permitted Phases	4		4	8		2				6		
Actuated Green, G (s)		58.0	74.0		58.0		60.0	44.0		60.0	44.0	
Effective Green, g (s)		58.0	74.0		58.0		60.0	44.0		60.0	44.0	
Actuated g/C Ratio		0.45	0.57		0.45		0.46	0.34		0.46	0.34	
Clearance Time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0	3.0		3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		884	939		928		270	1156		355	1194	
v/s Ratio Prot			0.04				c0.11	0.21		0.04	c0.35	
v/s Ratio Perm		c0.45	0.15		0.35		0.31			0.12		
v/c Ratio		1.18dl	0.32		0.79		0.92	0.62		0.34	1.02	
Uniform Delay, d1		36.0	14.8		30.7		38.7	36.0		21.9	43.0	
Progression Factor		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2		35.2	0.2		4.5		37.3	2.5		2.6	31.5	
Delay (s)		71.2	15.0		35.2		76.0	38.5		24.6	74.5	
Level of Service		E	B		D		E	D		C	E	
Approach Delay (s)		56.9			35.2		48.1			70.0		
Approach LOS		E			D		D			E		
Intersection Summary												
HCM Average Control Delay		55.3		HCM Level of Service				E				
HCM Volume to Capacity ratio		1.01										
Actuated Cycle Length (s)		130.0		Sum of lost time (s)				12.0				
Intersection Capacity Utilization		100.4%		ICU Level of Service				G				
Analysis Period (min)		15										
dl Defacto Left Lane. Recode with 1 though lane as a left lane.												
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 18
























Projected 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor		0.95	1.00		0.95		1.00	0.95		1.00	0.95	
Frbp, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt		1.00	0.85		0.99		1.00	0.99		1.00	0.97	
Flt Protected		0.99	1.00		1.00		0.95	1.00		0.95	1.00	
Satd. Flow (prot)		3497	1583		3370		1736	3429		1787	3481	
Flt Permitted		0.52	1.00		0.77		0.17	1.00		0.14	1.00	
Satd. Flow (perm)		1852	1583		2619		303	3429		267	3481	
Volume (vph)	121	378	213	61	622	67	340	879	71	54	485	102
Peak-hour factor, PHF	0.86	0.86	0.86	0.93	0.93	0.93	0.91	0.91	0.91	0.95	0.95	0.95
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	151	470	265	70	716	77	400	1034	83	61	546	115
RTOR Reduction (vph)	0	0	18	0	7	0	0	4	0	0	14	0
Lane Group Flow (vph)	0	621	247	0	856	0	400	1113	0	61	647	0
Confl. Peds. (#/hr)				6		6	1		1			
Heavy Vehicles (%)	2%	2%	2%	5%	5%	5%	4%	4%	4%	1%	1%	1%
Turn Type	Perm	pm+ov		Perm	pm+pt			pm+pt				
Protected Phases		4	5		8		5	2		1	6	
Permitted Phases	4	4		8	2			6				
Actuated Green, G (s)		39.5	66.7		39.5		59.4	39.3		44.3	28.2	
Effective Green, g (s)		39.5	66.7		39.5		59.4	39.3		44.3	28.2	
Actuated g/C Ratio		0.37	0.62		0.37		0.56	0.37		0.41	0.26	
Clearance Time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0	3.0		3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		684	1047		968		533	1261		340	918	
v/s Ratio Prot			0.06				c0.19	c0.32		0.03	0.19	
v/s Ratio Perm		c0.34	0.10		0.33		0.23			0.05		
v/c Ratio		1.03dl	0.24		0.88		0.75	0.88		0.18	0.70	
Uniform Delay, d1		32.0	8.9		31.6		21.6	31.6		20.6	35.6	
Progression Factor		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2		15.8	0.1		9.7		9.4	9.1		1.2	4.5	
Delay (s)		47.8	9.0		41.2		31.0	40.8		21.7	40.1	
Level of Service		D	A		D		C	D		C	D	
Approach Delay (s)		36.2			41.2			38.2			38.6	
Approach LOS		D			D			D			D	
Intersection Summary												
HCM Average Control Delay		38.5		HCM Level of Service				D				
HCM Volume to Capacity ratio		0.88										
Actuated Cycle Length (s)		106.9		Sum of lost time (s)				12.0				
Intersection Capacity Utilization		88.9%		ICU Level of Service				E				
Analysis Period (min)		15										
dl Defacto Left Lane. Recode with 1 though lane as a left lane.												
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 18

Projected 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 			 			 	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor		0.95	1.00		0.95		1.00	0.95		1.00	0.95	
Frbp, ped/bikes		1.00	0.99		1.00		1.00	1.00		1.00	1.00	
Flpb, ped/bikes		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Frt		1.00	0.85		0.98		1.00	0.98		1.00	0.99	
Flt Protected		0.99	1.00		0.99		0.95	1.00		0.95	1.00	
Satd. Flow (prot)		3488	1565		3352		1736	3415		1787	3527	
Flt Permitted		0.55	1.00		0.60		0.09	1.00		0.19	1.00	
Satd. Flow (perm)		1947	1565		2017		166	3415		364	3527	
Volume (vph)	247	592	285	81	501	76	221	577	70	110	1017	87
Peak-hour factor, PHF	0.95	0.95	0.95	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	278	667	321	95	589	89	260	678	82	128	1183	101
RTOR Reduction (vph)	0	0	4	0	8	0	0	7	0	0	5	0
Lane Group Flow (vph)	0	945	317	0	765	0	260	753	0	128	1279	0
Confl. Peds. (#/hr)	1		1	2		2				2		2
Heavy Vehicles (%)	2%	2%	2%	5%	5%	5%	4%	4%	4%	1%	1%	1%
Turn Type	Perm	pm+ov		Perm	pm+pt			pm+pt				
Protected Phases		4	5		8		5	2		1	6	
Permitted Phases	4		4	8			2			6		
Actuated Green, G (s)		58.0	74.0		58.0		60.0	44.0		60.0	44.0	
Effective Green, g (s)		58.0	74.0		58.0		60.0	44.0		60.0	44.0	
Actuated g/C Ratio		0.45	0.57		0.45		0.46	0.34		0.46	0.34	
Clearance Time (s)		4.0	4.0		4.0		4.0	4.0		4.0	4.0	
Vehicle Extension (s)		3.0	3.0		3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)		869	939		900		270	1156		343	1194	
v/s Ratio Prot			0.04				c0.12	0.22		0.05	c0.36	
v/s Ratio Perm		c0.49	0.16		0.38		0.33			0.13		
v/c Ratio		1.32dl	0.34		0.85		0.96	0.65		0.37	1.07	
Uniform Delay, d1		36.0	14.9		32.1		58.8	36.5		22.3	43.0	
Progression Factor		1.00	1.00		1.00		1.00	1.00		1.00	1.00	
Incremental Delay, d2		57.1	0.2		7.7		46.1	2.9		3.1	47.5	
Delay (s)		93.1	15.1		39.9		104.8	39.3		25.4	90.5	
Level of Service		F	B		D		F	D		C	F	
Approach Delay (s)		73.3			39.9			56.0			84.6	
Approach LOS		E			D			E			F	
Intersection Summary												
HCM Average Control Delay		67.2		HCM Level of Service				E				
HCM Volume to Capacity ratio		1.06										
Actuated Cycle Length (s)		130.0		Sum of lost time (s)				12.0				
Intersection Capacity Utilization		104.6%		ICU Level of Service				G				
Analysis Period (min)		15										
dl Defacto Left Lane. Recode with 1 though lane as a left lane.												
c Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : May-07

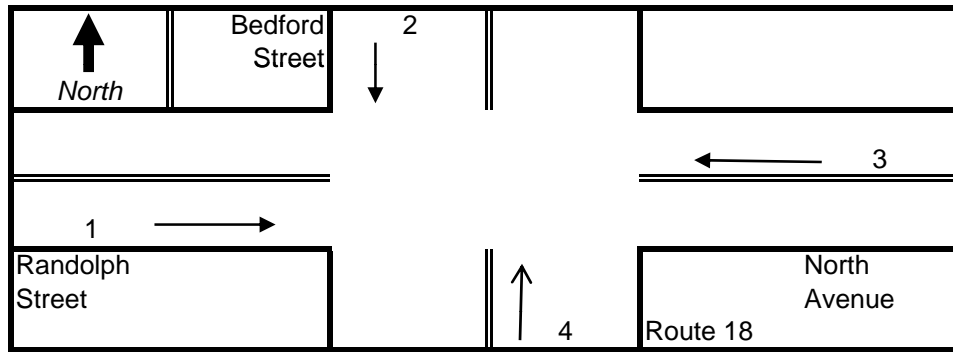
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Bedford Street (Route 18)

MINOR STREET(S) : North Avenue / Randolph Street (Route 139)

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	1,170	1,265	686	695		3,816

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

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

CRASH RATE CALCULATION :

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

Comments : Volumes factored to estimated 2009 figures

Project Title & Date: _____

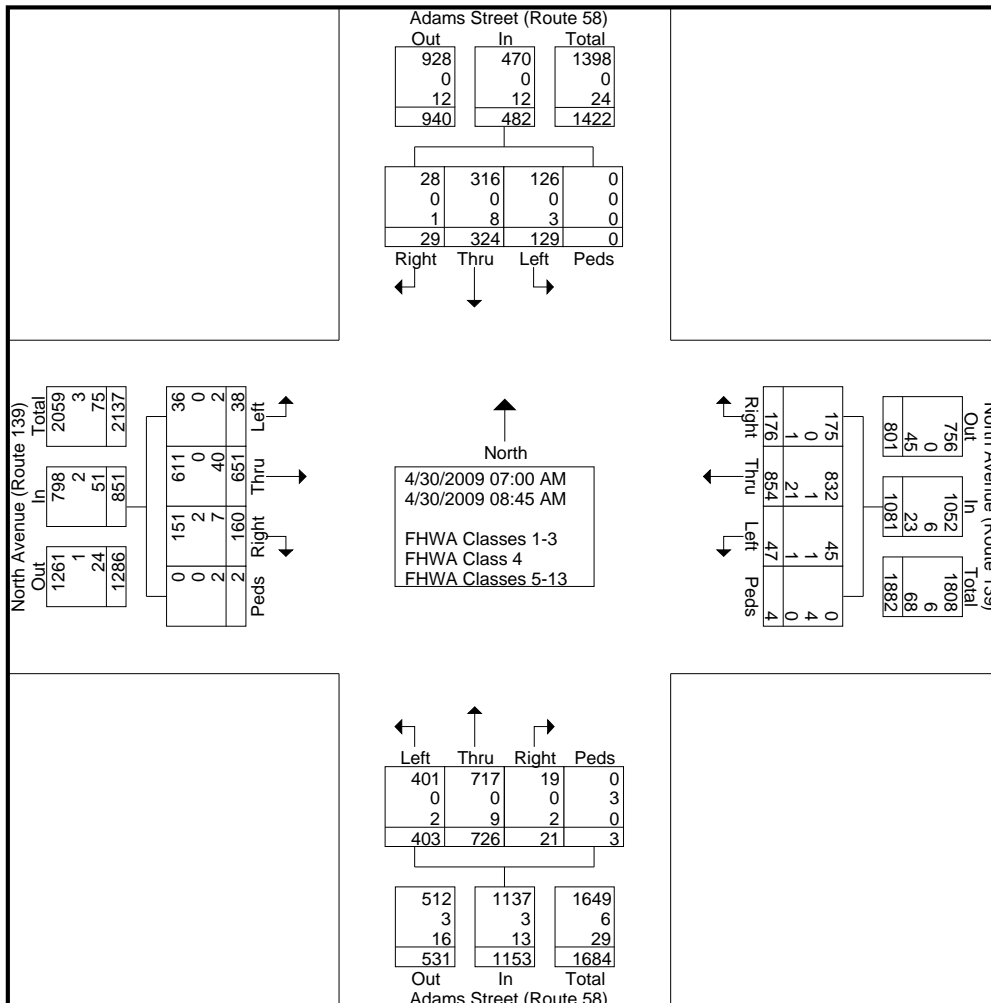
Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Abington
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 01_Adams(58)&North(139)_AM
 Site Code : 01
 Start Date : 4/30/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

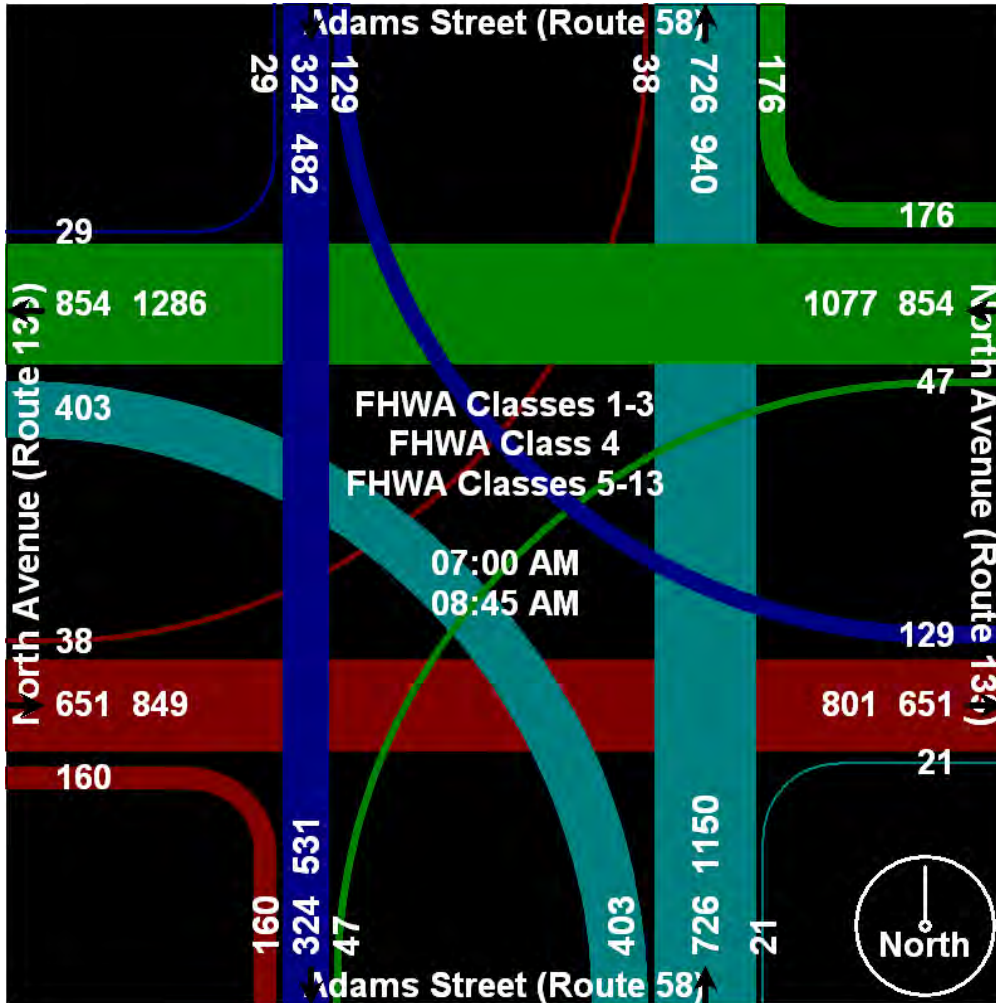
Start Time Factor	Adams Street (Route 58) Southbound					North Avenue (Route 139) Westbound					Adams Street (Route 58) Northbound					North Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	11	30	2	0	43	11	96	21	2	130	61	95	1	0	157	3	56	8	0	67	397
07:15 AM	8	29	3	0	40	4	128	24	0	156	50	112	1	1	164	6	83	17	0	106	466
07:30 AM	15	35	5	0	55	6	122	23	0	151	55	100	1	1	157	1	86	26	0	113	476
07:45 AM	17	61	9	0	87	2	127	27	0	156	47	91	0	0	138	4	94	40	1	139	520
Total	51	155	19	0	225	23	473	95	2	593	213	398	3	2	616	14	319	91	1	425	1859
08:00 AM	11	49	3	0	63	10	114	33	2	159	63	103	6	0	172	6	73	19	0	98	492
08:15 AM	21	29	2	0	52	4	117	17	0	138	41	74	3	0	118	7	79	21	1	108	416
08:30 AM	28	50	3	0	81	2	75	14	0	91	48	79	4	1	132	9	102	12	0	123	427
08:45 AM	18	41	2	0	61	8	75	17	0	100	38	72	5	0	115	2	78	17	0	97	373
Total	78	169	10	0	257	24	381	81	2	488	190	328	18	1	537	24	332	69	1	426	1708
Grand Total	129	324	29	0	482	47	854	176	4	1081	403	726	21	3	1153	38	651	160	2	851	3567
Apprch %	26.8	67.2	6	0		4.3	79	16.3	0.4		35	63	1.8	0.3		4.5	76.5	18.8	0.2		
Total %	3.6	9.1	0.8	0	13.5	1.3	23.9	4.9	0.1	30.3	11.3	20.4	0.6	0.1	32.3	1.1	18.3	4.5	0.1	23.9	
FHWA Classes 1-3	126	316	28	0	470	45	832	175	0	1052	401	717	19	0	1137	36	611	151	0	798	3457
% FHWA Classes 1-3	97.7	97.5	96.6	0	97.5	95.7	97.4	99.4	0	97.3	99.5	98.8	90.5	0	98.6	94.7	93.9	94.4	0	93.8	96.9
FHWA Class 4	0	0	0	0	0	1	1	0	4	6	0	0	0	3	3	0	0	2	0	2	11
% FHWA Class 4	0	0	0	0	0	2.1	0.1	0	100	0.6	0	0	0	100	0.3	0	0	1.2	0	0.2	0.3
FHWA Classes 5-13	3	8	1	0	12	1	21	1	0	23	2	9	2	0	13	2	40	7	2	51	99
% FHWA Classes 5-13	2.3	2.5	3.4	0	2.5	2.1	2.5	0.6	0	2.1	0.5	1.2	9.5	0	1.1	5.3	6.1	4.4	100	6	2.8



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

Community: Abington
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Board #: DB-400 (6)
Staff: BH

File Name : 01_Adams(58)&North(139)_AM
Site Code : 01
Start Date : 4/30/2009
Page No : 2

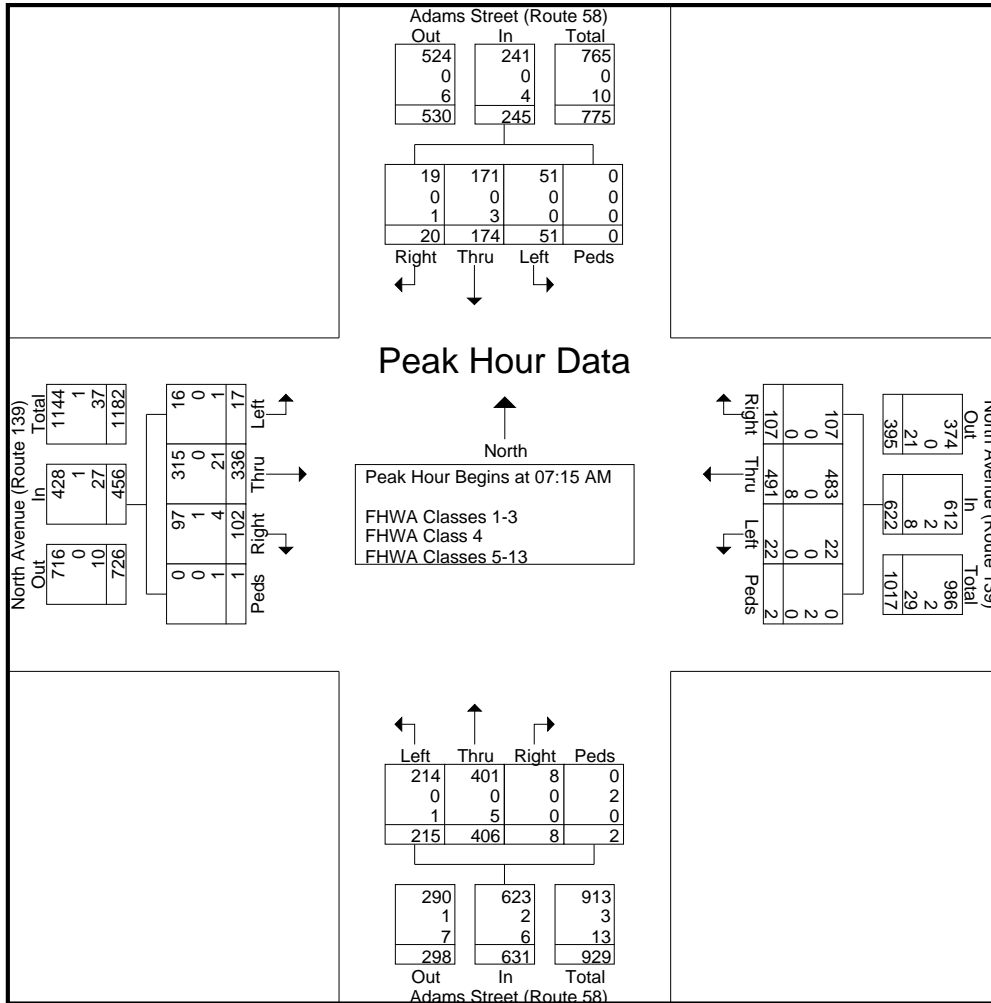


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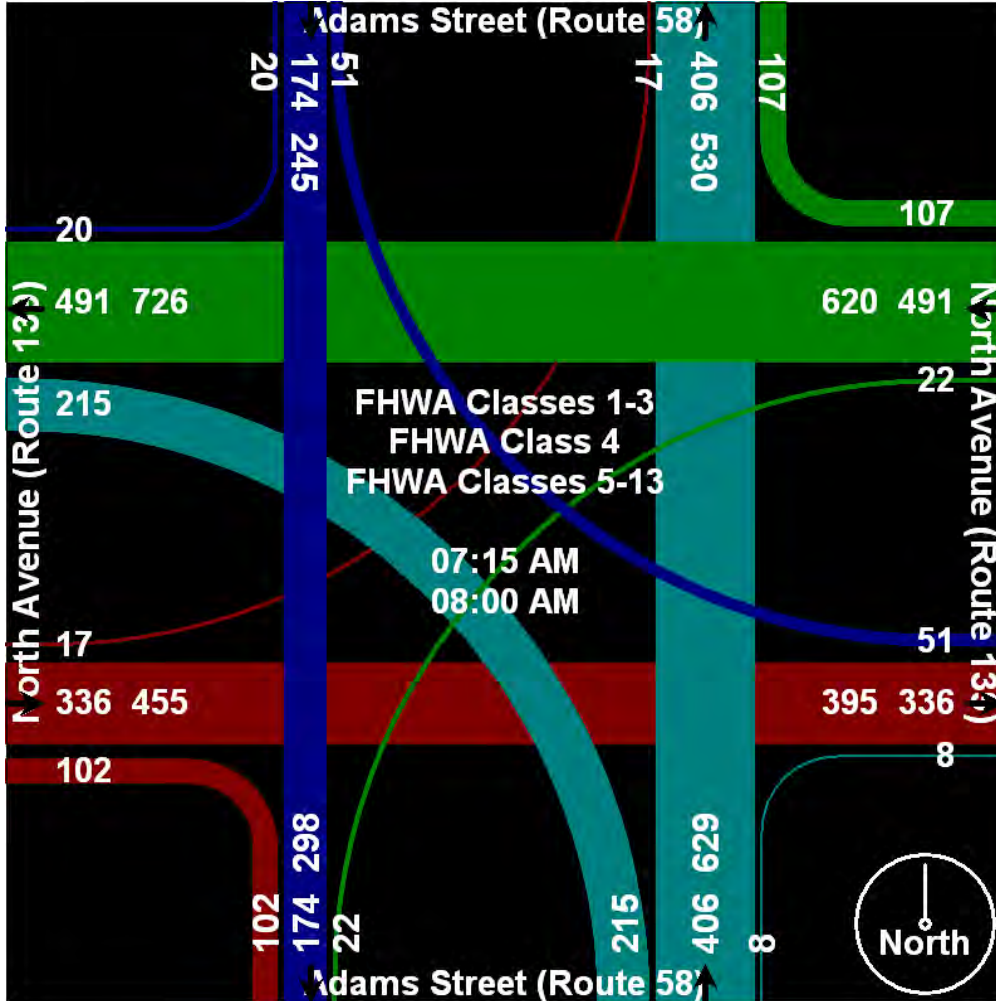
Start Time	Adams Street (Route 58) Southbound					North Avenue (Route 139) Westbound					Adams Street (Route 58) Northbound					North Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	8	29	3	0	40	4	128	24	0	156	50	112	1	1	164	6	83	17	0	106	466
07:30 AM	15	35	5	0	55	6	122	23	0	151	55	100	1	1	157	1	86	26	0	113	476
07:45 AM	17	61	9	0	87	2	127	27	0	156	47	91	0	0	138	4	94	40	1	139	520
08:00 AM	11	49	3	0	63	10	114	33	2	159	63	103	6	0	172	6	73	19	0	98	492
Total Volume	51	174	20	0	245	22	491	107	2	622	215	406	8	2	631	17	336	102	1	456	1954
% App. Total	20.8	71	8.2	0		3.5	78.9	17.2	0.3		34.1	64.3	1.3	0.3		3.7	73.7	22.4	0.2		
PHF	.750	.713	.556	.000	.704	.550	.959	.811	.250	.978	.853	.906	.333	.500	.917	.708	.894	.638	.250	.820	.939
FHWA Classes 1-3	51	171	19	0	241	22	483	107	0	612	214	401	8	0	623	16	315	97	0	428	1904
% FHWA Classes 1-3	100	98.3	95.0	0	98.4	100	98.4	100	0	98.4	99.5	98.8	100	0	98.7	94.1	93.8	95.1	0	93.9	97.4
FHWA Class 4	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2	0	0	1	0	1	5
% FHWA Class 4	0	0	0	0	0	0	0	0	100	0.3	0	0	0	100	0.3	0	0	1.0	0	0.2	0.3
FHWA Classes 5-13	0	3	1	0	4	0	8	0	0	8	1	5	0	0	6	1	21	4	1	27	45
% FHWA Classes 5-13	0	1.7	5.0	0	1.6	0	1.6	0	0	1.3	0.5	1.2	0	0	1.0	5.9	6.3	3.9	100	5.9	2.3



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Page No : 4



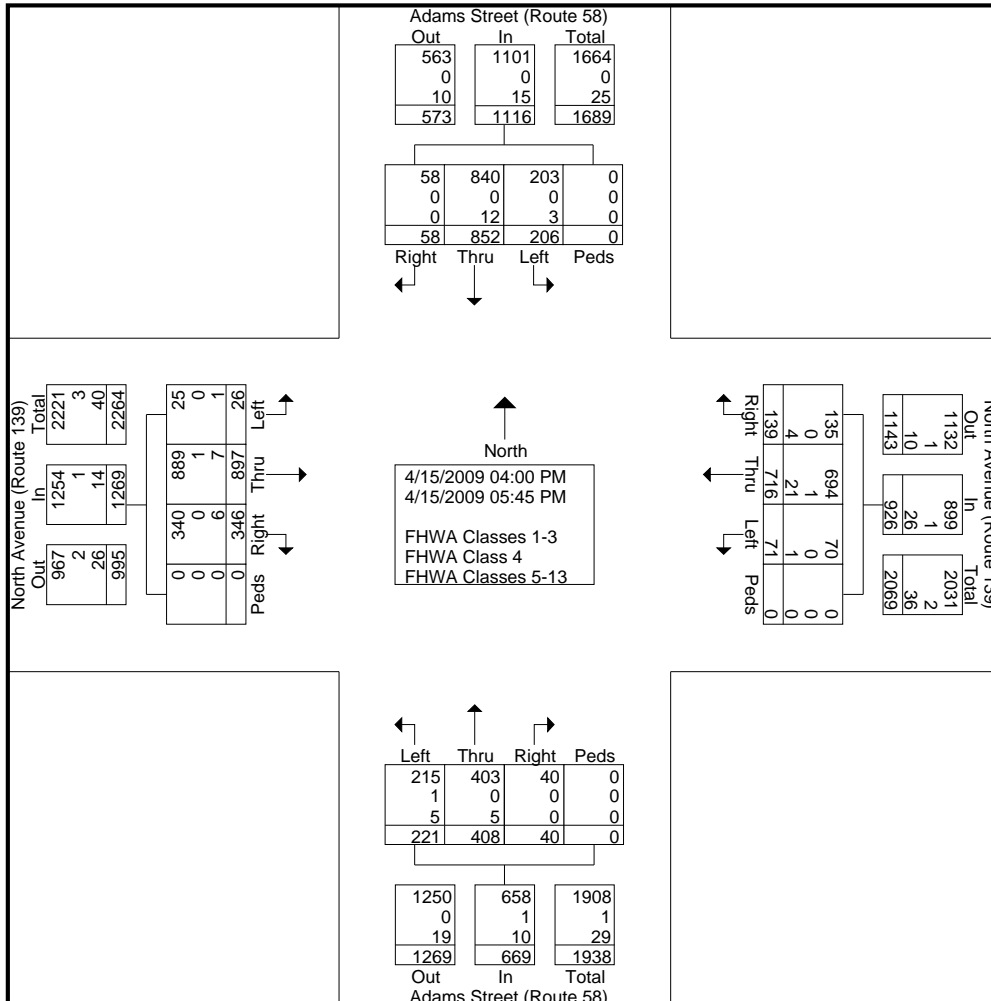
Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Abington
 Weather: Clear
 Board #: DB-400 (5)
 Staff: RG

File Name : 01_Adams(58)&North(139)_PM
 Site Code : 01
 Start Date : 4/15/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

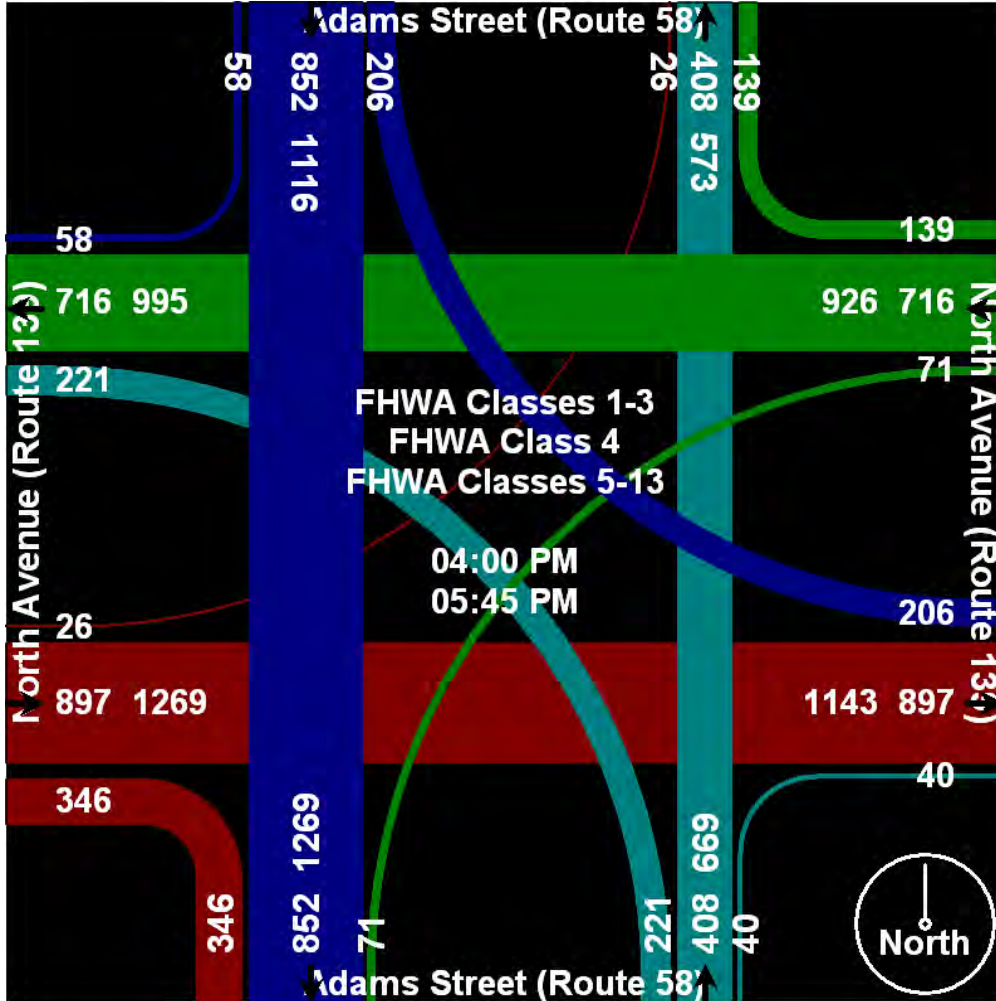
Start Time Factor	Adams Street (Route 58) Southbound					North Avenue (Route 139) Westbound					Adams Street (Route 58) Northbound					North Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	16	97	10	0	123	7	81	13	0	101	16	54	6	0	76	3	103	45	0	151	451
04:15 PM	26	95	5	0	126	4	91	20	0	115	24	48	4	0	76	2	125	30	0	157	474
04:30 PM	16	110	6	0	132	4	100	17	0	121	20	56	9	0	85	4	115	45	0	164	502
04:45 PM	38	121	9	0	168	18	65	19	0	102	26	44	3	0	73	2	100	59	0	161	504
Total	96	423	30	0	549	33	337	69	0	439	86	202	22	0	310	11	443	179	0	633	1931
05:00 PM	32	106	5	0	143	8	104	17	0	129	42	36	6	0	84	4	106	45	0	155	511
05:15 PM	21	130	3	0	154	9	99	21	0	129	31	46	3	0	80	4	104	33	0	141	504
05:30 PM	32	93	10	0	135	9	103	16	0	128	31	61	6	0	98	6	130	41	0	177	538
05:45 PM	25	100	10	0	135	12	73	16	0	101	31	63	3	0	97	1	114	48	0	163	496
Total	110	429	28	0	567	38	379	70	0	487	135	206	18	0	359	15	454	167	0	636	2049
Grand Total	206	852	58	0	1116	71	716	139	0	926	221	408	40	0	669	26	897	346	0	1269	3980
Apprch %	18.5	76.3	5.2	0		7.7	77.3	15	0		33	61	6	0		2	70.7	27.3	0		
Total %	5.2	21.4	1.5	0	28	1.8	18	3.5	0	23.3	5.6	10.3	1	0	16.8	0.7	22.5	8.7	0	31.9	
FHWA Classes 1-3	203	840	58	0	1101	70	694	135	0	899	215	403	40	0	658	25	889	340	0	1254	3912
% FHWA Classes 1-3	98.5	98.6	100	0	98.7	98.6	96.9	97.1	0	97.1	97.3	98.8	100	0	98.4	96.2	99.1	98.3	0	98.8	98.3
FHWA Class 4	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	0	1	3
% FHWA Class 4	0	0	0	0	0	0	0.1	0	0	0.1	0.5	0	0	0	0.1	0	0.1	0	0	0.1	0.1
FHWA Classes 5-13	3	12	0	0	15	1	21	4	0	26	5	5	0	0	10	1	7	6	0	14	65
% FHWA Classes 5-13	1.5	1.4	0	0	1.3	1.4	2.9	2.9	0	2.8	2.3	1.2	0	0	1.5	3.8	0.8	1.7	0	1.1	1.6



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

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Staff: RG

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Site Code : 01
Start Date : 4/15/2009
Page No : 2

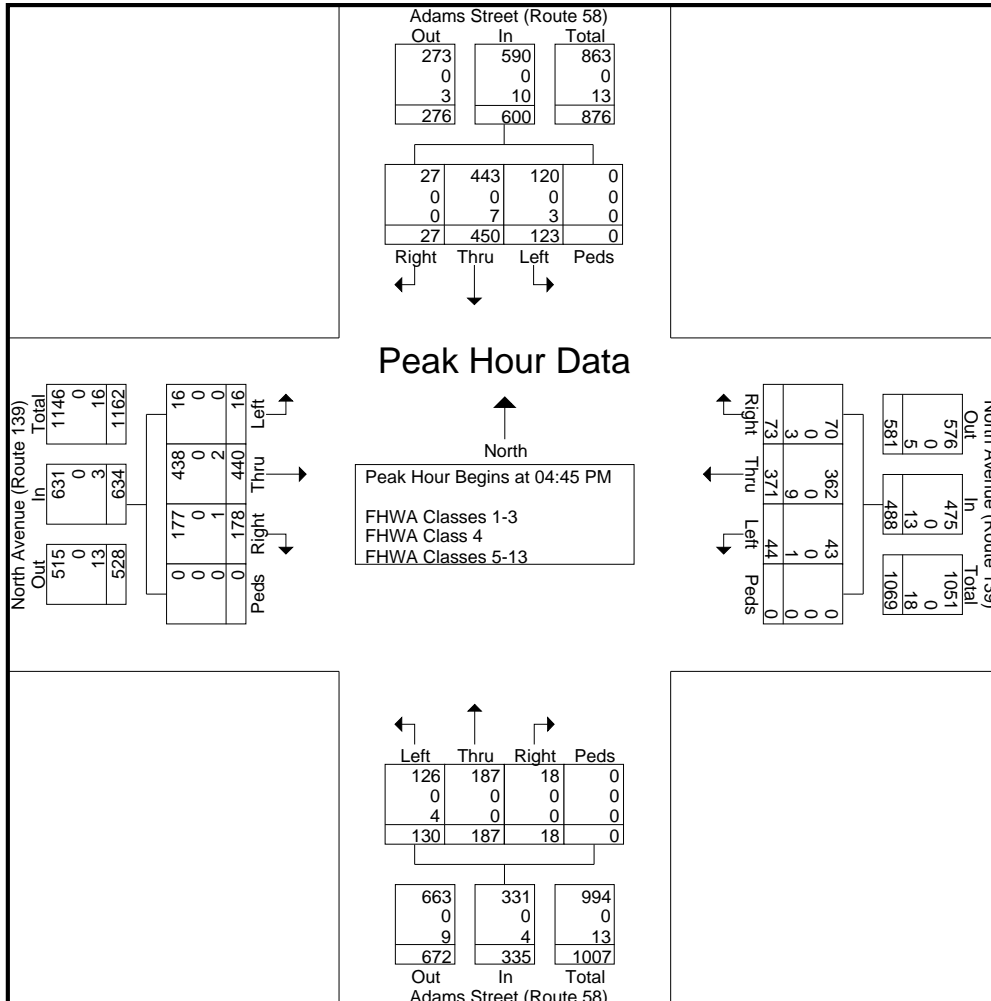


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508-583-1833

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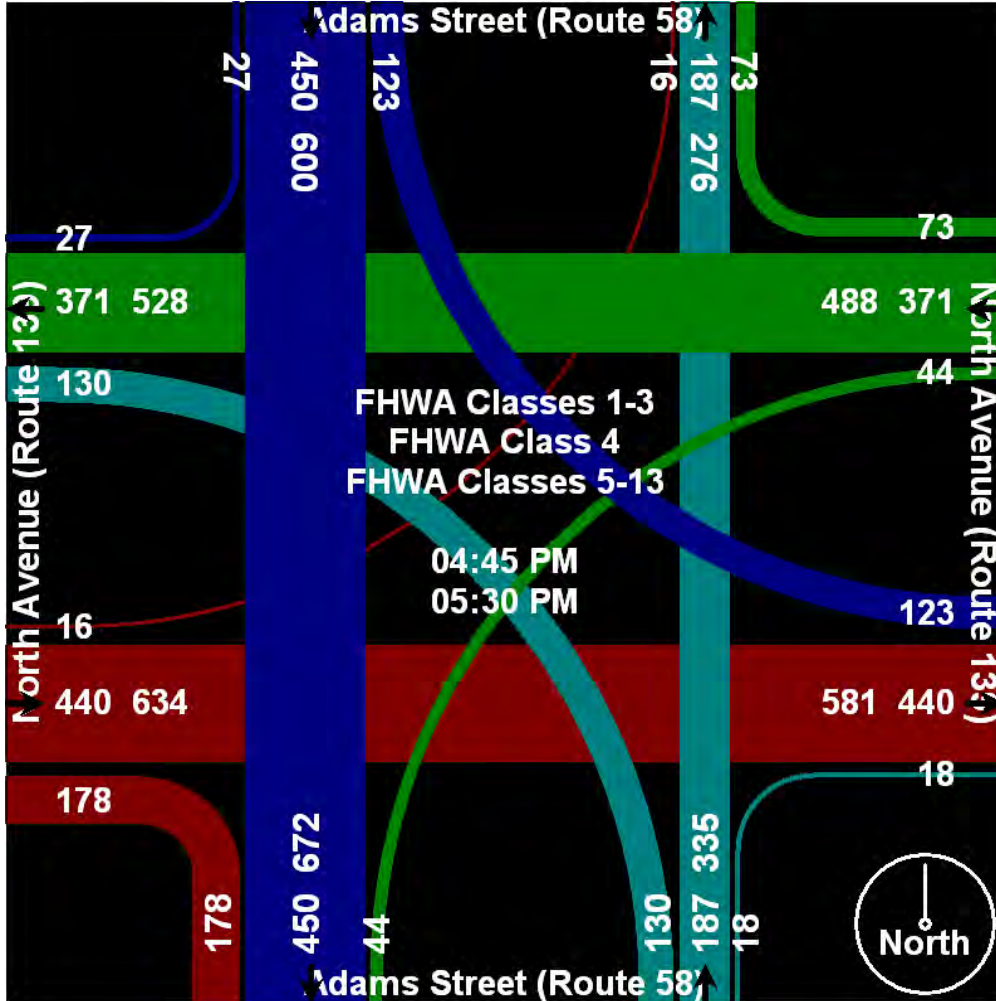
Start Time	Adams Street (Route 58) Southbound					North Avenue (Route 139) Westbound					Adams Street (Route 58) Northbound					North Avenue (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	38	121	9	0	168	18	65	19	0	102	26	44	3	0	73	2	100	59	0	161	504
05:00 PM	32	106	5	0	143	8	104	17	0	129	42	36	6	0	84	4	106	45	0	155	511
05:15 PM	21	130	3	0	154	9	99	21	0	129	31	46	3	0	80	4	104	33	0	141	504
05:30 PM	32	93	10	0	135	9	103	16	0	128	31	61	6	0	98	6	130	41	0	177	538
Total Volume	123	450	27	0	600	44	371	73	0	488	130	187	18	0	335	16	440	178	0	634	2057
% App. Total	20.5	75	4.5	0		9	76	15	0		38.8	55.8	5.4	0		2.5	69.4	28.1	0		
PHF	.809	.865	.675	.000	.893	.611	.892	.869	.000	.946	.774	.766	.750	.000	.855	.667	.846	.754	.000	.895	.956
FHWA Classes 1-3	120	443	27	0	590	43	362	70	0	475	126	187	18	0	331	16	438	177	0	631	2027
% FHWA Classes 1-3	97.6	98.4	100	0	98.3	97.7	97.6	95.9	0	97.3	96.9	100	100	0	98.8	100	99.5	99.4	0	99.5	98.5
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA Classes 5-13	3	7	0	0	10	1	9	3	0	13	4	0	0	0	4	0	2	1	0	3	30
% FHWA Classes 5-13	2.4	1.6	0	0	1.7	2.3	2.4	4.1	0	2.7	3.1	0	0	0	1.2	0	0.5	0.6	0	0.5	1.5



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HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 58

2009 AM Peak Hour LOS



















Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0			4.0			4.0	
Lane Util. Factor		1.00			0.95			0.95			1.00	
Frbp, ped/bikes		1.00			1.00			1.00			1.00	
Flpb, ped/bikes		1.00			1.00			1.00			1.00	
Frt		0.97			0.97			1.00			0.99	
Flt Protected		1.00			1.00			0.98			0.99	
Satd. Flow (prot)		1734			3448			3518			1834	
Flt Permitted		0.97			0.93			0.73			0.79	
Satd. Flow (perm)		1680			3221			2609			1460	
Volume (vph)	17	336	102	22	491	107	215	406	8	51	174	20
Peak-hour factor, PHF	0.82	0.82	0.82	0.98	0.98	0.98	0.92	0.92	0.92	0.71	0.71	0.71
Adj. Flow (vph)	21	410	124	22	501	109	234	441	9	72	245	28
RTOR Reduction (vph)	0	25	0	0	41	0	0	2	0	0	7	0
Lane Group Flow (vph)	0	530	0	0	591	0	0	682	0	0	338	0
Confl. Peds. (#/hr)	1		1	2		2	2		2			
Heavy Vehicles (%)	1%	6%	5%	0%	2%	0%	0%	1%	0%	0%	2%	0%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		16.5			16.5			18.1			18.1	
Effective Green, g (s)		16.5			16.5			18.1			18.1	
Actuated g/C Ratio		0.39			0.39			0.42			0.42	
Clearance Time (s)		4.0			4.0			4.0			4.0	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		651			1248			1109			620	
v/s Ratio Prot												
v/s Ratio Perm		c0.32			0.18			c0.26			0.23	
v/c Ratio		0.81			0.47			0.62			0.55	
Uniform Delay, d1		11.7			9.8			9.5			9.2	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d2		7.8			0.3			2.6			3.4	
Delay (s)		19.4			10.1			12.1			12.6	
Level of Service		B			B			B			B	
Approach Delay (s)		19.4			10.1			12.1			12.6	
Approach LOS		B			B			B			B	
Intersection Summary												
HCM Average Control Delay			13.4				HCM Level of Service				B	
HCM Volume to Capacity ratio			0.71									
Actuated Cycle Length (s)			42.6				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			79.0%				ICU Level of Service				D	
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 58

2009 PM Peak Hour LOS

















												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0			4.0			4.0	
Lane Util. Factor		1.00			0.95			0.95			1.00	
Frt		0.96			0.98			0.99			0.99	
Flt Protected		1.00			1.00			0.98			0.99	
Satd. Flow (prot)		1808			3444			3472			1834	
Flt Permitted		0.98			0.83			0.60			0.83	
Satd. Flow (perm)		1779			2885			2111			1540	
Volume (vph)	16	440	178	44	371	73	130	187	18	123	450	27
Peak-hour factor, PHF	0.90	0.90	0.90	0.95	0.95	0.95	0.86	0.86	0.86	0.90	0.90	0.90
Adj. Flow (vph)	18	489	198	46	391	77	151	217	21	137	500	30
RTOR Reduction (vph)	0	20	0	0	21	0	0	6	0	0	3	0
Lane Group Flow (vph)	0	685	0	0	493	0	0	383	0	0	664	0
Heavy Vehicles (%)	0%	1%	1%	2%	2%	2%	3%	0%	0%	2%	2%	0%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		28.0			28.0			33.0			33.0	
Effective Green, g (s)		28.0			28.0			33.0			33.0	
Actuated g/C Ratio		0.41			0.41			0.48			0.48	
Clearance Time (s)		4.0			4.0			4.0			4.0	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		722			1171			1010			737	
v/s Ratio Prot												
v/s Ratio Perm		c0.38			0.17			0.18			c0.43	
v/c Ratio		0.95			0.42			0.38			0.90	
Uniform Delay, d1		19.8			14.7			11.5			16.5	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d2		21.5			0.2			1.1			16.3	
Delay (s)		41.3			14.9			12.6			32.8	
Level of Service		D			B			B			C	
Approach Delay (s)		41.3			14.9			12.6			32.8	
Approach LOS		D			B			B			C	
Intersection Summary												
HCM Average Control Delay			28.0				HCM Level of Service				C	
HCM Volume to Capacity ratio			0.92									
Actuated Cycle Length (s)			69.0				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			99.0%				ICU Level of Service			F		
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 58

















Projected 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0			4.0			4.0	
Lane Util. Factor		1.00			0.95			0.95			1.00	
Frbp, ped/bikes		1.00			1.00			1.00			1.00	
Flpb, ped/bikes		1.00			1.00			1.00			1.00	
Frt		0.97			0.97			1.00			0.99	
Flt Protected		1.00			1.00			0.98			0.99	
Satd. Flow (prot)		1733			3447			3518			1833	
Flt Permitted		0.97			0.93			0.72			0.78	
Satd. Flow (perm)		1676			3217			2574			1441	
Volume (vph)	17	336	102	22	491	107	215	406	8	51	174	20
Peak-hour factor, PHF	0.82	0.82	0.82	0.98	0.98	0.98	0.92	0.92	0.92	0.71	0.71	0.71
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	22	430	131	24	526	115	245	463	9	75	257	30
RTOR Reduction (vph)	0	24	0	0	41	0	0	2	0	0	7	0
Lane Group Flow (vph)	0	559	0	0	624	0	0	715	0	0	355	0
Confl. Peds. (#/hr)	1		1	2		2	2		2			
Heavy Vehicles (%)	1%	6%	5%	0%	2%	0%	0%	1%	0%	0%	2%	0%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		16.9			16.9			18.1			18.1	
Effective Green, g (s)		16.9			16.9			18.1			18.1	
Actuated g/C Ratio		0.39			0.39			0.42			0.42	
Clearance Time (s)		4.0			4.0			4.0			4.0	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		659			1264			1083			607	
v/s Ratio Prot												
v/s Ratio Perm		c0.33			0.19			c0.28			0.25	
v/c Ratio		0.85			0.49			0.66			0.58	
Uniform Delay, d1		11.9			9.8			10.0			9.6	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d2		9.9			0.3			3.2			4.1	
Delay (s)		21.8			10.1			13.2			13.7	
Level of Service		C			B			B			B	
Approach Delay (s)		21.8			10.1			13.2			13.7	
Approach LOS		C			B			B			B	
Intersection Summary												
HCM Average Control Delay			14.5			HCM Level of Service				B		
HCM Volume to Capacity ratio			0.75									
Actuated Cycle Length (s)			43.0			Sum of lost time (s)			8.0			
Intersection Capacity Utilization			82.5%			ICU Level of Service				E		
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

1: Route 139 & Route 58

Projected 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0			4.0			4.0	
Lane Util. Factor		1.00			0.95			0.95			1.00	
Fr _t		0.96			0.98			0.99			0.99	
Fl _t Protected		1.00			1.00			0.98			0.99	
Satd. Flow (prot)		1808			3444			3472			1834	
Fl _t Permitted		0.98			0.82			0.58			0.82	
Satd. Flow (perm)		1777			2838			2047			1525	
Volume (vph)	16	440	178	44	371	73	130	187	18	123	450	27
Peak-hour factor, PHF	0.90	0.90	0.90	0.95	0.95	0.95	0.86	0.86	0.86	0.90	0.90	0.90
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	19	513	208	49	410	81	159	228	22	144	525	32
RTOR Reduction (vph)	0	20	0	0	21	0	0	6	0	0	3	0
Lane Group Flow (vph)	0	720	0	0	520	0	0	403	0	0	698	0
Heavy Vehicles (%)	0%	1%	1%	2%	2%	2%	3%	0%	0%	2%	2%	0%
Turn Type	Perm			Perm			Perm			Perm		
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Actuated Green, G (s)		29.0			29.0			33.0			33.0	
Effective Green, g (s)		29.0			29.0			33.0			33.0	
Actuated g/C Ratio		0.41			0.41			0.47			0.47	
Clearance Time (s)		4.0			4.0			4.0			4.0	
Vehicle Extension (s)		3.0			3.0			3.0			3.0	
Lane Grp Cap (vph)		736			1176			965			719	
v/s Ratio Prot												
v/s Ratio Perm		c0.41			0.18			0.20			c0.46	
v/c Ratio		0.98			0.44			0.42			0.97	
Uniform Delay, d ₁		20.2			14.7			12.2			18.0	
Progression Factor		1.00			1.00			1.00			1.00	
Incremental Delay, d ₂		27.5			0.3			1.3			27.2	
Delay (s)		47.7			15.0			13.5			45.3	
Level of Service		D			B			B			D	
Approach Delay (s)		47.7			15.0			13.5			45.3	
Approach LOS		D			B			B			D	
Intersection Summary												
HCM Average Control Delay			33.7				HCM Level of Service				C	
HCM Volume to Capacity ratio			0.97									
Actuated Cycle Length (s)			70.0				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			103.5%				ICU Level of Service			G		
Analysis Period (min)			15									
c Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : Apr-09

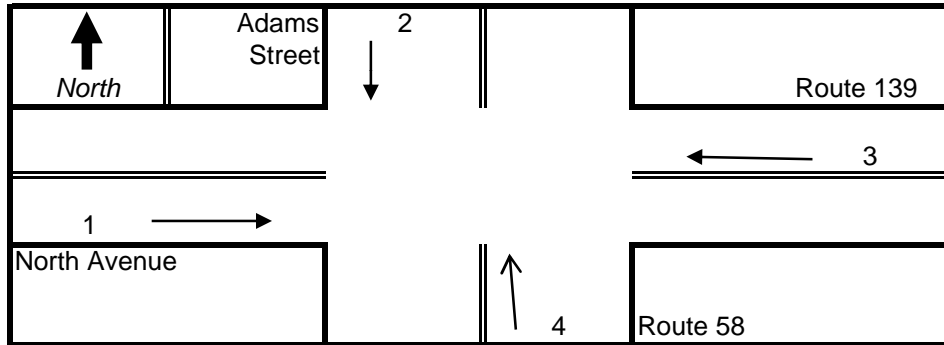
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : North Avenue (Route 139)

MINOR STREET(S) : Adams Street (Route 58)

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	634	600	488	335		2,057

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____



Old Colony Planning Council
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508-583-1833
www.ocpcrpa.org

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 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 01_North(139)&Spruce_AM
 Site Code : 01
 Start Date : 9/1/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

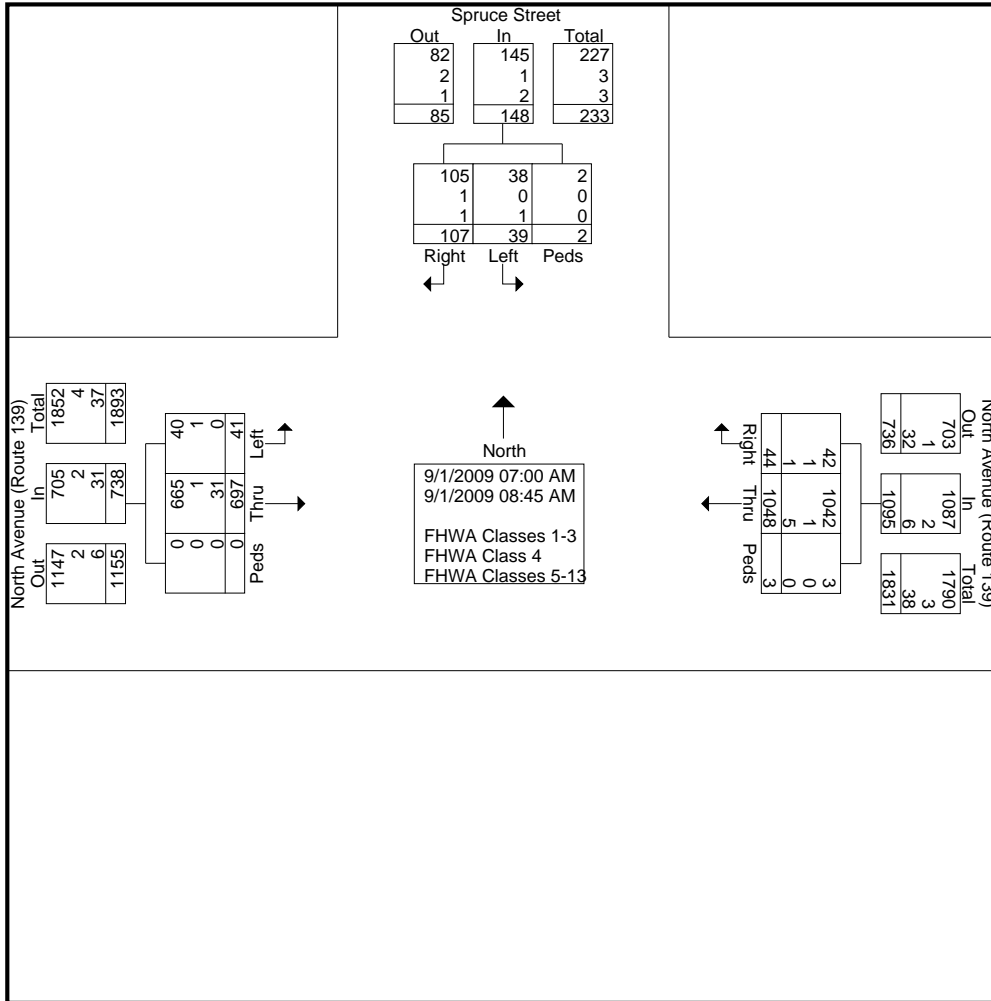
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	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	2	20	0	22	138	0	0	138	11	70	0	81	241
07:15 AM	2	8	0	10	145	5	1	151	3	77	0	80	241
07:30 AM	4	15	0	19	159	10	0	169	5	87	0	92	280
07:45 AM	14	6	1	21	145	9	0	154	7	103	0	110	285
Total	22	49	1	72	587	24	1	612	26	337	0	363	1047
08:00 AM	2	18	0	20	137	7	0	144	2	92	0	94	258
08:15 AM	3	13	0	16	141	6	1	148	7	83	0	90	254
08:30 AM	9	16	1	26	99	1	1	101	3	108	0	111	238
08:45 AM	3	11	0	14	84	6	0	90	3	77	0	80	184
Total	17	58	1	76	461	20	2	483	15	360	0	375	934
Grand Total	39	107	2	148	1048	44	3	1095	41	697	0	738	1981
Apprch %	26.4	72.3	1.4		95.7	4	0.3		5.6	94.4	0		
Total %	2	5.4	0.1	7.5	52.9	2.2	0.2	55.3	2.1	35.2	0	37.3	
FHWA Classes 1-3	38	105	2	145	1042	42	3	1087	40	665	0	705	1937
% FHWA Classes 1-3	97.4	98.1	100	98	99.4	95.5	100	99.3	97.6	95.4	0	95.5	97.8
FHWA Class 4	0	1	0	1	1	1	0	2	1	1	0	2	5
% FHWA Class 4	0	0.9	0	0.7	0.1	2.3	0	0.2	2.4	0.1	0	0.3	0.3
FHWA Classes 5-13	1	1	0	2	5	1	0	6	0	31	0	31	39
% FHWA Classes 5-13	2.6	0.9	0	1.4	0.5	2.3	0	0.5	0	4.4	0	4.2	2



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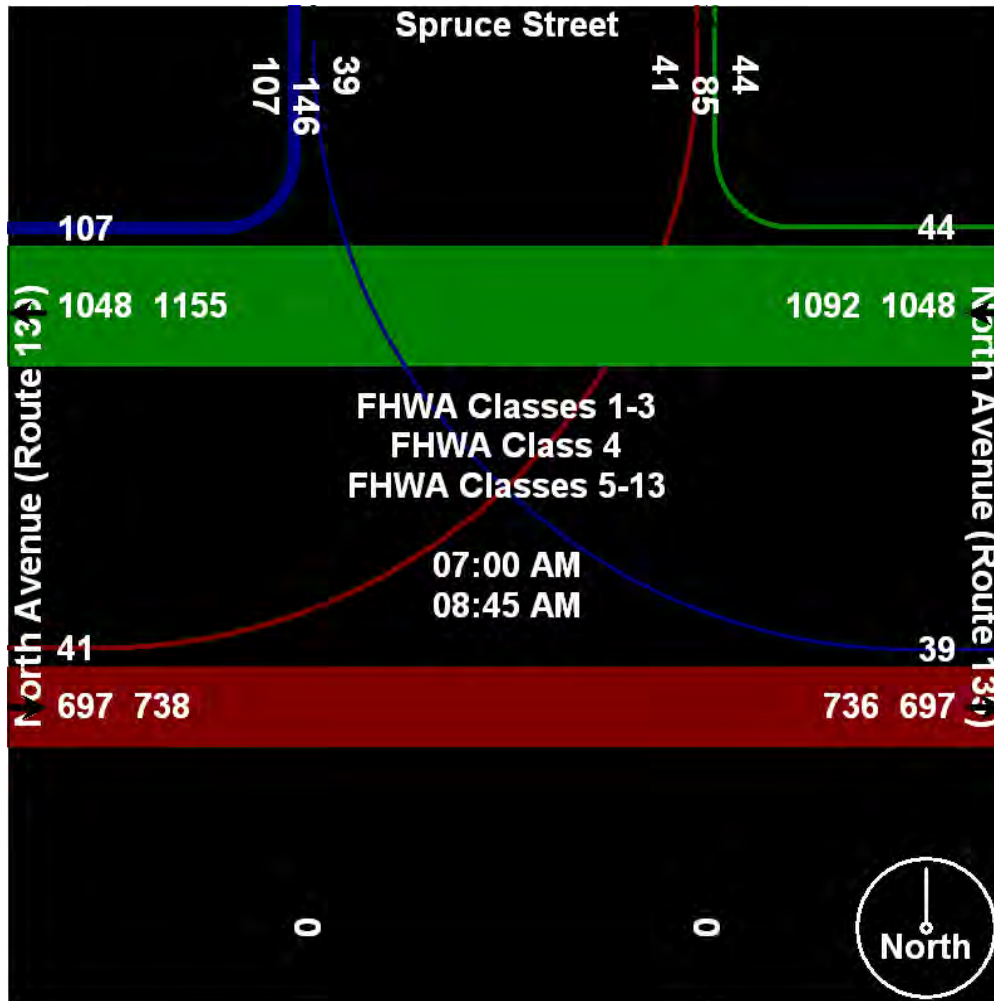




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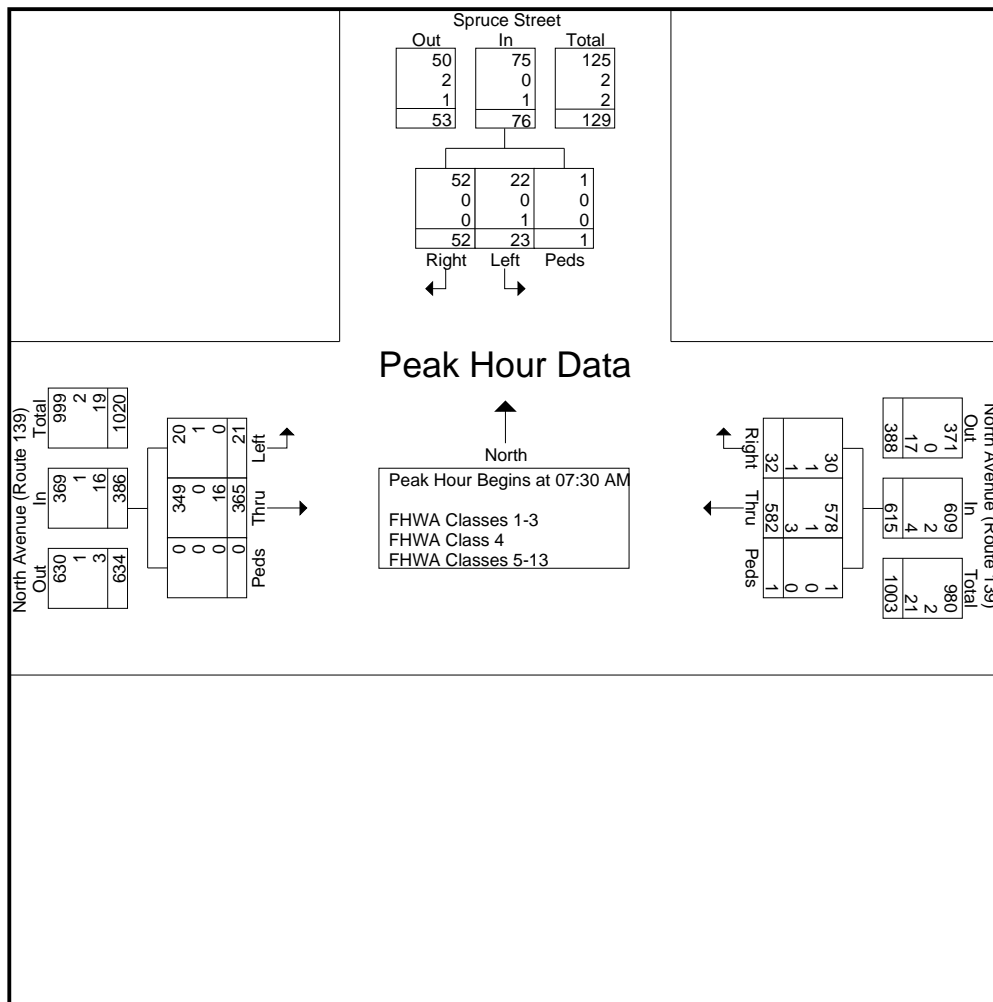


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Start Time	Spruce Street Southbound				North Avenue (Route 139) Westbound				North Avenue (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	4	15	0	19	159	10	0	169	5	87	0	92	280
07:45 AM	14	6	1	21	145	9	0	154	7	103	0	110	285
08:00 AM	2	18	0	20	137	7	0	144	2	92	0	94	258
08:15 AM	3	13	0	16	141	6	1	148	7	83	0	90	254
Total Volume	23	52	1	76	582	32	1	615	21	365	0	386	1077
% App. Total	30.3	68.4	1.3		94.6	5.2	0.2		5.4	94.6	0		
PHF	.411	.722	.250	.905	.915	.800	.250	.910	.750	.886	.000	.877	.945
FHWA Classes 1-3	22	52	1	75	578	30	1	609	20	349	0	369	1053
% FHWA Classes 1-3	95.7	100	100	98.7	99.3	93.8	100	99.0	95.2	95.6	0	95.6	97.8
FHWA Class 4	0	0	0	0	1	1	0	2	1	0	0	1	3
% FHWA Class 4	0	0	0	0	0.2	3.1	0	0.3	4.8	0	0	0.3	0.3
FHWA Classes 5-13	1	0	0	1	3	1	0	4	0	16	0	16	21
% FHWA Classes 5-13	4.3	0	0	1.3	0.5	3.1	0	0.7	0	4.4	0	4.1	1.9

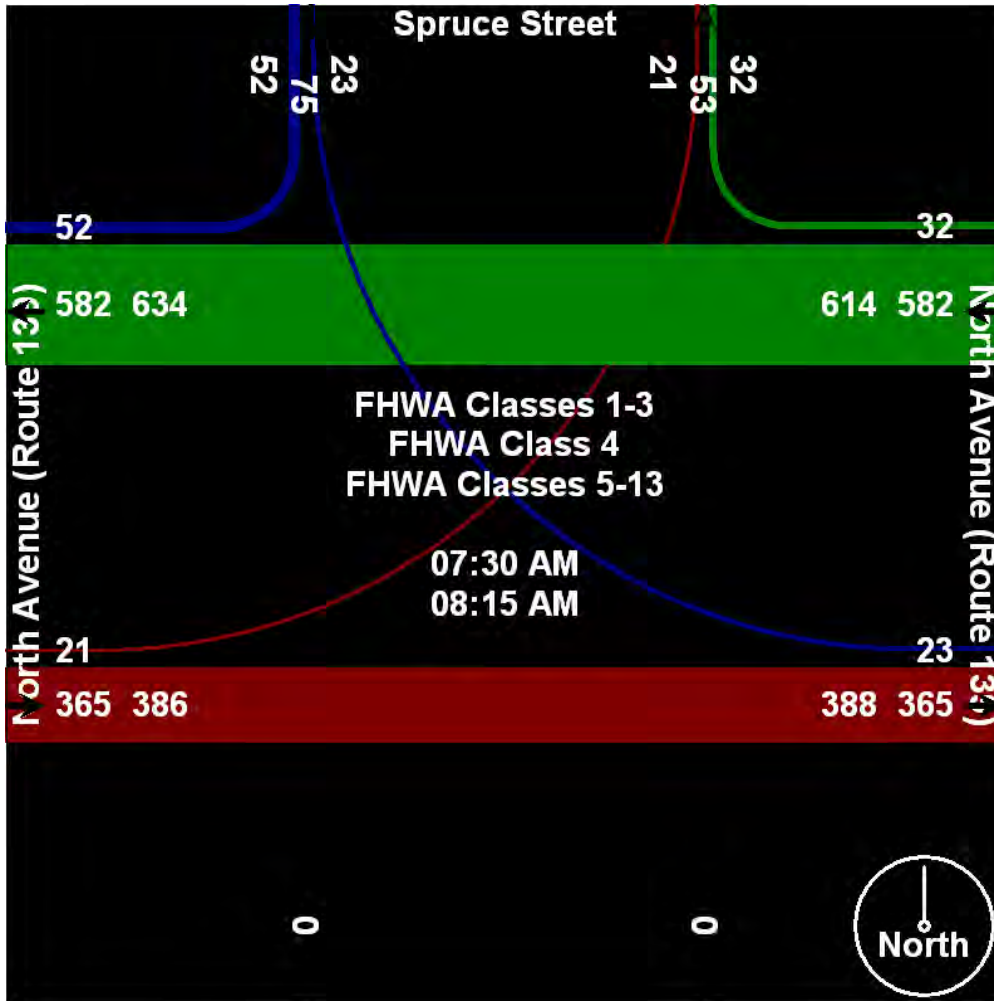




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Groups Printed- 3 - FHWA Class 4 - 13

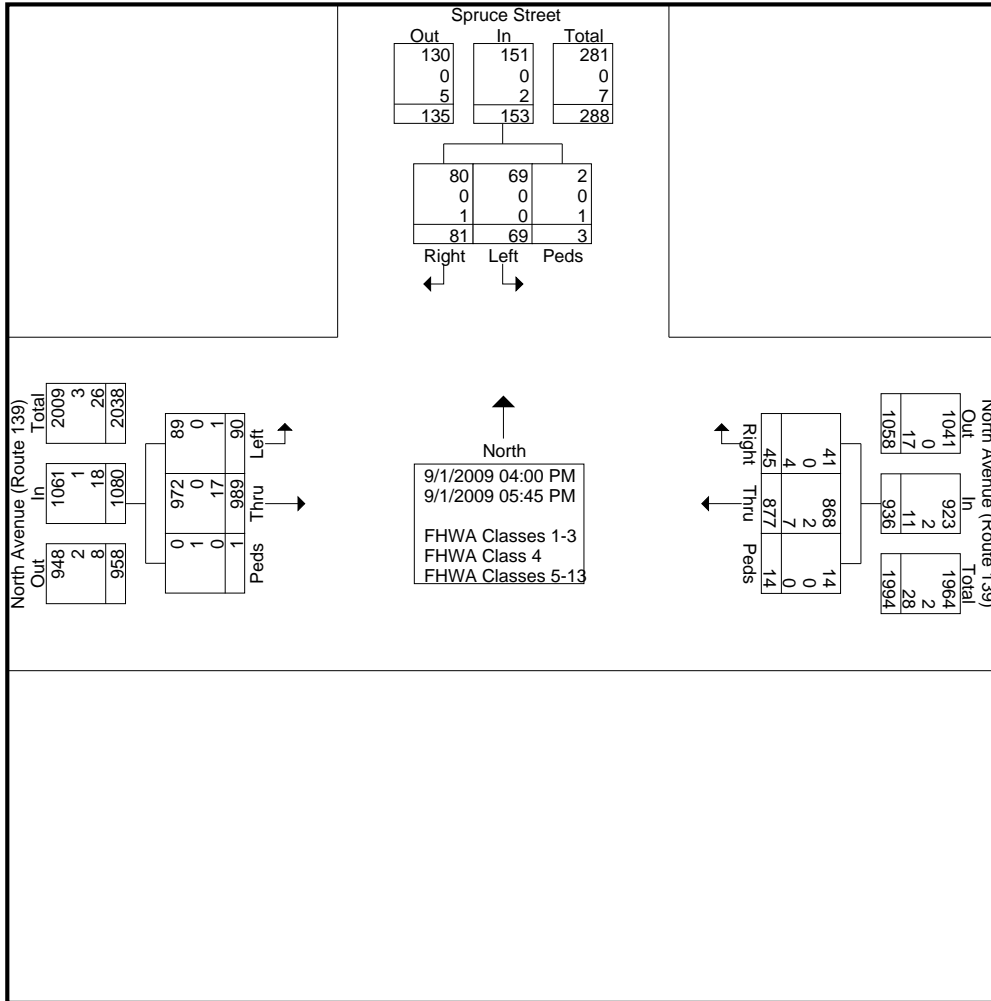
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	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	6	5	1	12	108	5	2	115	9	138	0	147	274
04:15 PM	13	10	1	24	117	3	1	121	6	119	0	125	270
04:30 PM	9	9	0	18	124	4	0	128	13	117	0	130	276
04:45 PM	5	9	0	14	94	6	0	100	17	115	0	132	246
Total	33	33	2	68	443	18	3	464	45	489	0	534	1066
05:00 PM	9	16	0	25	113	4	5	122	10	130	0	140	287
05:15 PM	12	11	1	24	120	10	0	130	8	110	1	119	273
05:30 PM	13	10	0	23	122	6	4	132	10	153	0	163	318
05:45 PM	2	11	0	13	79	7	2	88	17	107	0	124	225
Total	36	48	1	85	434	27	11	472	45	500	1	546	1103
Grand Total	69	81	3	153	877	45	14	936	90	989	1	1080	2169
Apprch %	45.1	52.9	2		93.7	4.8	1.5		8.3	91.6	0.1		
Total %	3.2	3.7	0.1	7.1	40.4	2.1	0.6	43.2	4.1	45.6	0	49.8	
FHWA Classes 1-3	69	80	2	151	868	41	14	923	89	972	0	1061	2135
% FHWA Classes 1-3	100	98.8	66.7	98.7	99	91.1	100	98.6	98.9	98.3	0	98.2	98.4
FHWA Class 4	0	0	0	0	2	0	0	2	0	0	1	1	3
% FHWA Class 4	0	0	0	0	0.2	0	0	0.2	0	0	100	0.1	0.1
FHWA Classes 5-13	0	1	1	2	7	4	0	11	1	17	0	18	31
% FHWA Classes 5-13	0	1.2	33.3	1.3	0.8	8.9	0	1.2	1.1	1.7	0	1.7	1.4



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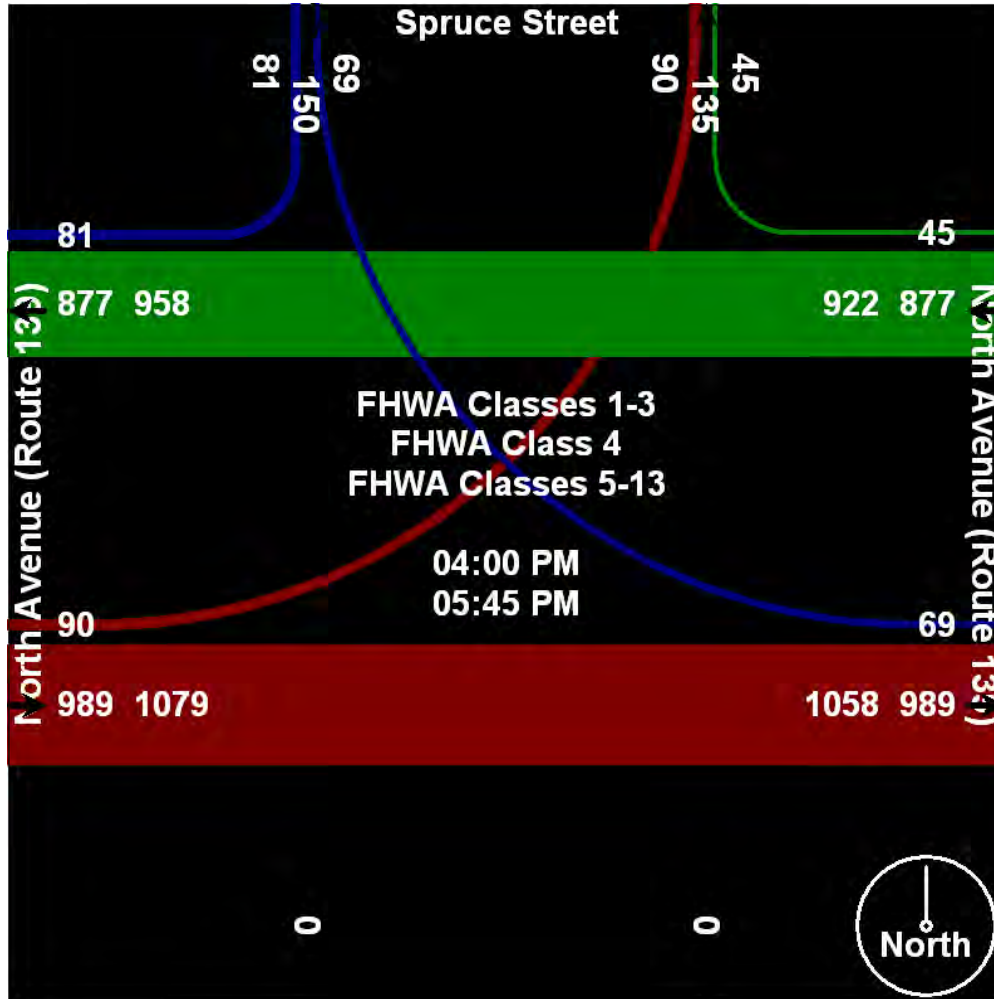




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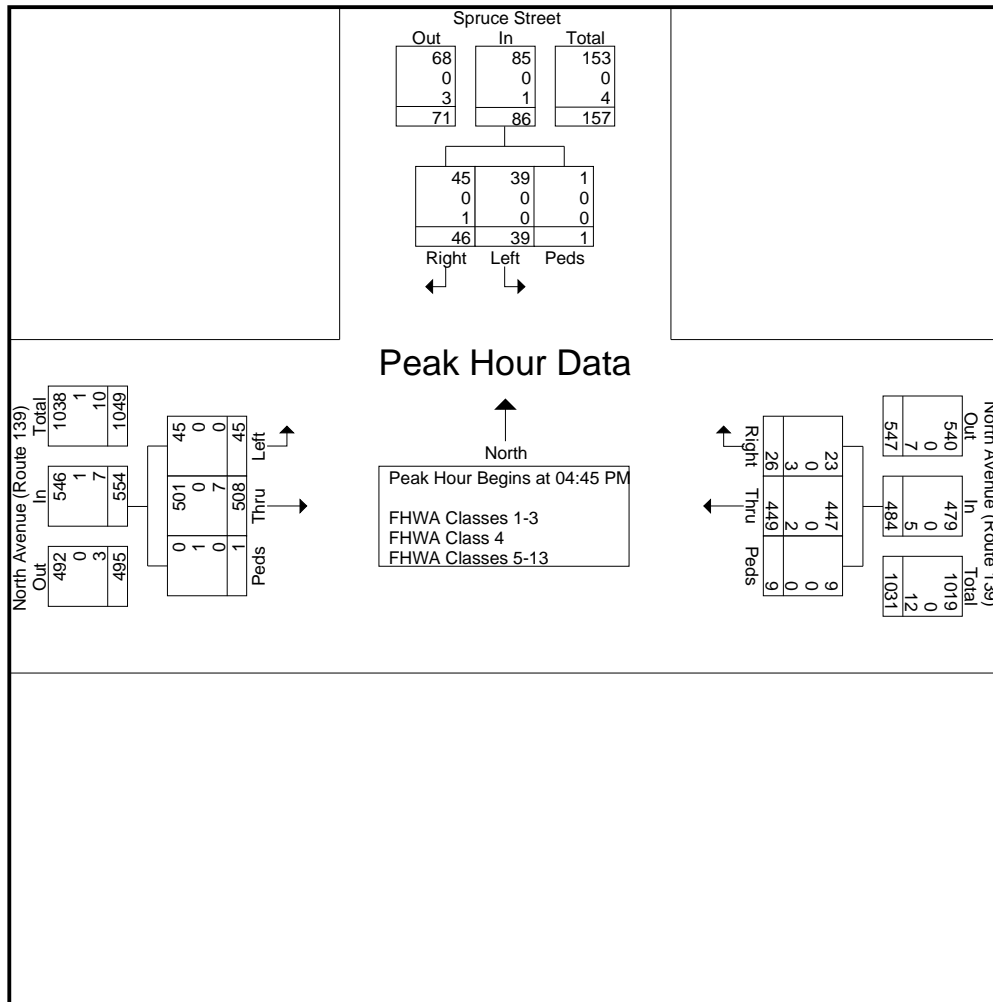


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Start Time	Spruce Street Southbound				North Avenue (Route 139) Westbound				North Avenue (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	5	9	0	14	94	6	0	100	17	115	0	132	246
05:00 PM	9	16	0	25	113	4	5	122	10	130	0	140	287
05:15 PM	12	11	1	24	120	10	0	130	8	110	1	119	273
05:30 PM	13	10	0	23	122	6	4	132	10	153	0	163	318
Total Volume	39	46	1	86	449	26	9	484	45	508	1	554	1124
% App. Total	45.3	53.5	1.2		92.8	5.4	1.9		8.1	91.7	0.2		
PHF	.750	.719	.250	.860	.920	.650	.450	.917	.662	.830	.250	.850	.884
FHWA Classes 1-3	39	45	1	85	447	23	9	479	45	501	0	546	1110
% FHWA Classes 1-3	100	97.8	100	98.8	99.6	88.5	100	99.0	100	98.6	0	98.6	98.8
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	1	1	1
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	100	0.2	0.1
FHWA Classes 5-13	0	1	0	1	2	3	0	5	0	7	0	7	13
% FHWA Classes 5-13	0	2.2	0	1.2	0.4	11.5	0	1.0	0	1.4	0	1.3	1.2

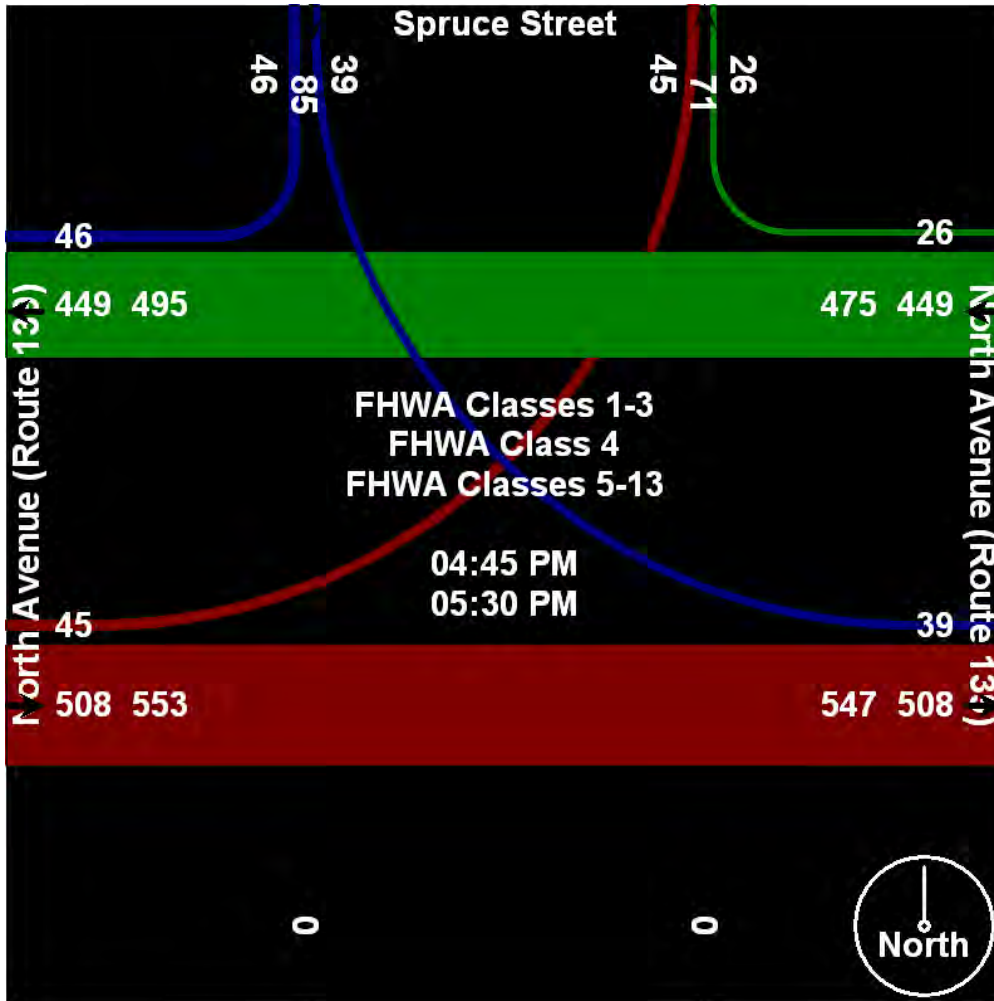




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Community: Abington
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 01_North(139)&Spruce_PM
 Site Code : 01
 Start Date : 9/1/2009
 Page No : 5



HCM Unsignalized Intersection Capacity Analysis
 3: North Avenue (Route 139) & Spruce Street

2009 AM Peak Hour LOS



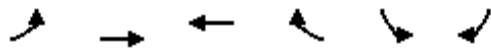
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↶	↷		↶	↷
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	31	365	582	32	23	52
Peak Hour Factor	0.88	0.88	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	35	415	640	35	25	57
Pedestrians		1	2		2	
Lane Width (ft)		12.0	12.0		12.0	
Walking Speed (ft/s)		4.0	4.0		4.0	
Percent Blockage		0	0		0	
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	677				1146	660
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	677				1146	660
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	96				88	88
cM capacity (veh/h)	904				211	462

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	450	675	82
Volume Left	35	0	25
Volume Right	0	35	57
cSH	904	1700	338
Volume to Capacity	0.04	0.40	0.24
Queue Length 95th (ft)	3	0	23
Control Delay (s)	1.2	0.0	19.0
Lane LOS	A		C
Approach Delay (s)	1.2	0.0	19.0
Approach LOS			C

Intersection Summary			
Average Delay		1.7	
Intersection Capacity Utilization	56.3%	ICU Level of Service	B
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: North Avenue (Route 139) & Spruce Street

2009 PM Peak Hour LOS



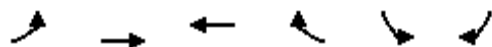
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↶	↷		↶	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	45	508	449	26	39	46
Peak Hour Factor	0.85	0.85	0.92	0.92	0.25	0.25
Hourly flow rate (vph)	53	598	488	28	156	184
Pedestrians		1	10		10	
Lane Width (ft)		12.0	12.0		12.0	
Walking Speed (ft/s)		4.0	4.0		4.0	
Percent Blockage		0	1		1	
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	526				1226	513
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	526				1226	513
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	95				16	67
cM capacity (veh/h)	1037				185	558

Direction, Lane #	EB 1	WB 1	SB 1
Volume Total	651	516	340
Volume Left	53	0	156
Volume Right	0	28	184
cSH	1037	1700	290
Volume to Capacity	0.05	0.30	1.17
Queue Length 95th (ft)	4	0	371
Control Delay (s)	1.3	0.0	146.2
Lane LOS	A		F
Approach Delay (s)	1.3	0.0	146.2
Approach LOS			F

Intersection Summary			
Average Delay		33.6	
Intersection Capacity Utilization	69.8%	ICU Level of Service	C
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 3: North Avenue (Route 139) & Spruce Street

Projected 2014 AM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↕		↕	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	31	365	582	32	23	52
Peak Hour Factor	0.88	0.88	0.91	0.91	0.91	0.91
Hourly flow rate (vph)	37	436	672	37	27	60
Pedestrians		1	2		2	
Lane Width (ft)		12.0	12.0		12.0	
Walking Speed (ft/s)		4.0	4.0		4.0	
Percent Blockage		0	0		0	
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	710				1203	693
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	710				1203	693
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	96				86	86
cM capacity (veh/h)	878				194	442
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	472	708	87			
Volume Left	37	0	27			
Volume Right	0	37	60			
cSH	878	1700	318			
Volume to Capacity	0.04	0.42	0.27			
Queue Length 95th (ft)	3	0	27			
Control Delay (s)	1.2	0.0	20.5			
Lane LOS	A		C			
Approach Delay (s)	1.2	0.0	20.5			
Approach LOS			C			
Intersection Summary						
Average Delay			1.9			
Intersection Capacity Utilization		58.8%		ICU Level of Service		B
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: North Avenue (Route 139) & Spruce Street

Projected 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↕		↕	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	45	508	449	26	39	46
Peak Hour Factor	0.85	0.85	0.92	0.92	0.25	0.25
Hourly flow rate (vph)	56	628	512	30	164	193
Pedestrians		1	10		10	
Lane Width (ft)		12.0	12.0		12.0	
Walking Speed (ft/s)		4.0	4.0		4.0	
Percent Blockage		0	1		1	
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	552				1286	538
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	552				1286	538
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	95				3	64
cM capacity (veh/h)	1014				169	540
Direction, Lane #	EB 1	WB 1	SB 1			
Volume Total	683	542	357			
Volume Left	56	0	164			
Volume Right	0	30	193			
cSH	1014	1700	270			
Volume to Capacity	0.05	0.32	1.32			
Queue Length 95th (ft)	4	0	457			
Control Delay (s)	1.4	0.0	206.6			
Lane LOS	A		F			
Approach Delay (s)	1.4	0.0	206.6			
Approach LOS			F			
Intersection Summary						
Average Delay			47.2			
Intersection Capacity Utilization		72.8%		ICU Level of Service		C
Analysis Period (min)			15			

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Abington COUNT DATE : Sep-09

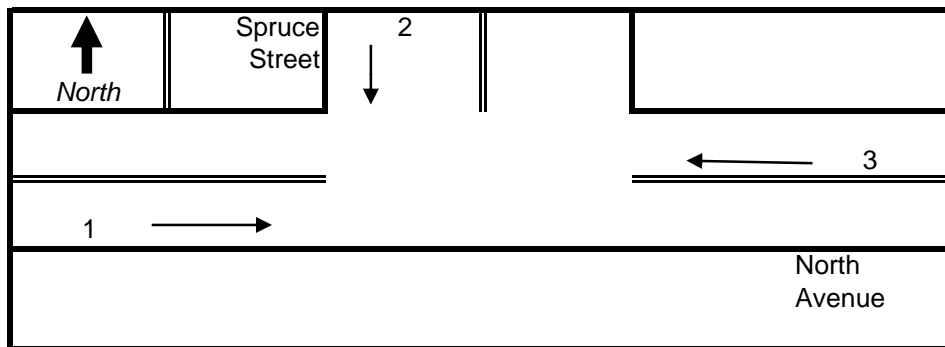
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : North Avenue (Route 139)

MINOR STREET(S) : Spruce Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	554	86	484			1,124

" K " FACTOR :

0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :	12,489
--------------	--	---------------

TOTAL # OF CRASHES :

3	# OF YEARS :	3	AVERAGE # OF CRASHES PER YEAR (A) :	1.00
----------	--------------	----------	---------------------------------------	-------------

CRASH RATE CALCULATION :

0.22

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

Comments : _____

Project Title & Date: _____



Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833 File Name : 231_Columbia(53-139)&OldWashington_AM
 Site Code : 231
 www.ocpcrpa.org Start Date : 9/29/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Columbia Road (Route 53/139) Southbound				Old Washington Street Westbound				Columbia Road (Route 53/139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	0	98	0	98	4	0	0	4	223	31	0	254	356
07:15 AM	1	147	0	148	6	0	0	6	267	37	0	304	458
07:30 AM	0	151	0	151	10	0	0	10	267	33	0	300	461
07:45 AM	0	171	0	171	6	0	0	6	272	50	0	322	499
Total	1	567	0	568	26	0	0	26	1029	151	0	1180	1774
08:00 AM	0	147	0	147	13	0	0	13	265	27	0	292	452
08:15 AM	0	150	0	150	5	2	0	7	286	32	0	318	475
08:30 AM	0	151	0	151	14	2	0	16	278	32	0	310	477
08:45 AM	1	164	0	165	17	1	0	18	285	49	0	334	517
Total	1	612	0	613	49	5	0	54	1114	140	0	1254	1921
Grand Total	2	1179	0	1181	75	5	0	80	2143	291	0	2434	3695
Apprch %	0.2	99.8	0		93.8	6.2	0		88	12	0		
Total %	0.1	31.9	0	32	2	0.1	0	2.2	58	7.9	0	65.9	
FHWA Classes 1-3	2	1119	0	1121	73	5	0	78	2127	288	0	2415	3614
% FHWA Classes 1-3	100	94.9	0	94.9	97.3	100	0	97.5	99.3	99	0	99.2	97.8
FHWA Class 4	0	2	0	2	1	0	0	1	3	0	0	3	6
% FHWA Class 4	0	0.2	0	0.2	1.3	0	0	1.2	0.1	0	0	0.1	0.2
FHWA Classes 5-13	0	58	0	58	1	0	0	1	13	3	0	16	75
% FHWA Classes 5-13	0	4.9	0	4.9	1.3	0	0	1.2	0.6	1	0	0.7	2

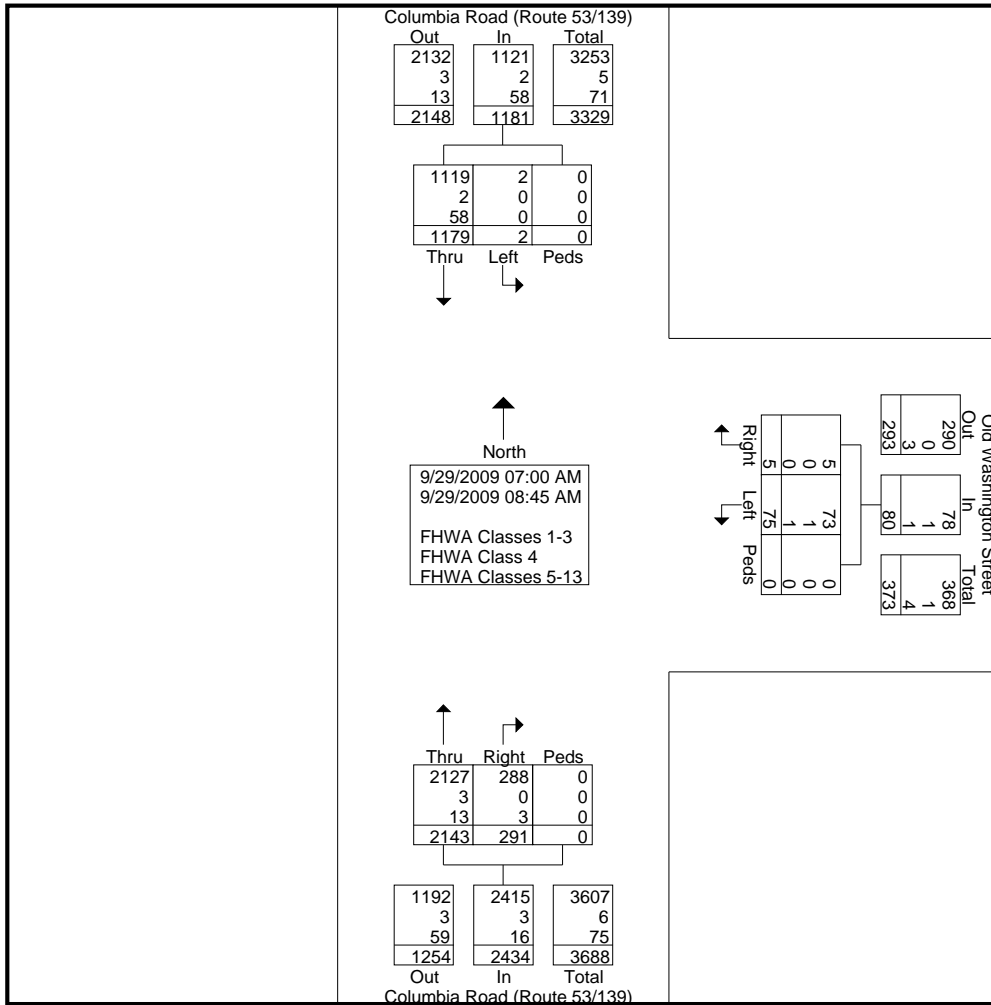


Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833
www.ocpcrpa.org

File Name : 231_Columbia(53-139)&OldWashington_AM
 Site Code : 231
 Start Date : 9/29/2009
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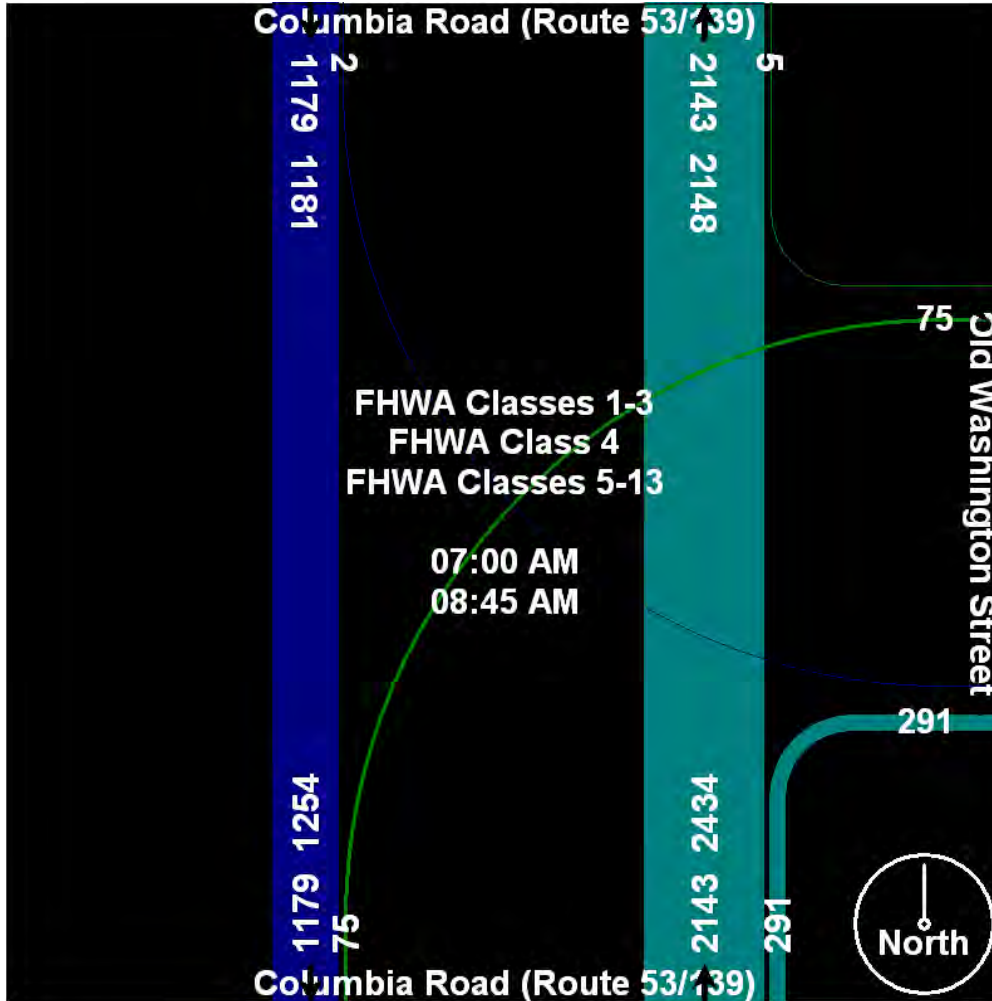




Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
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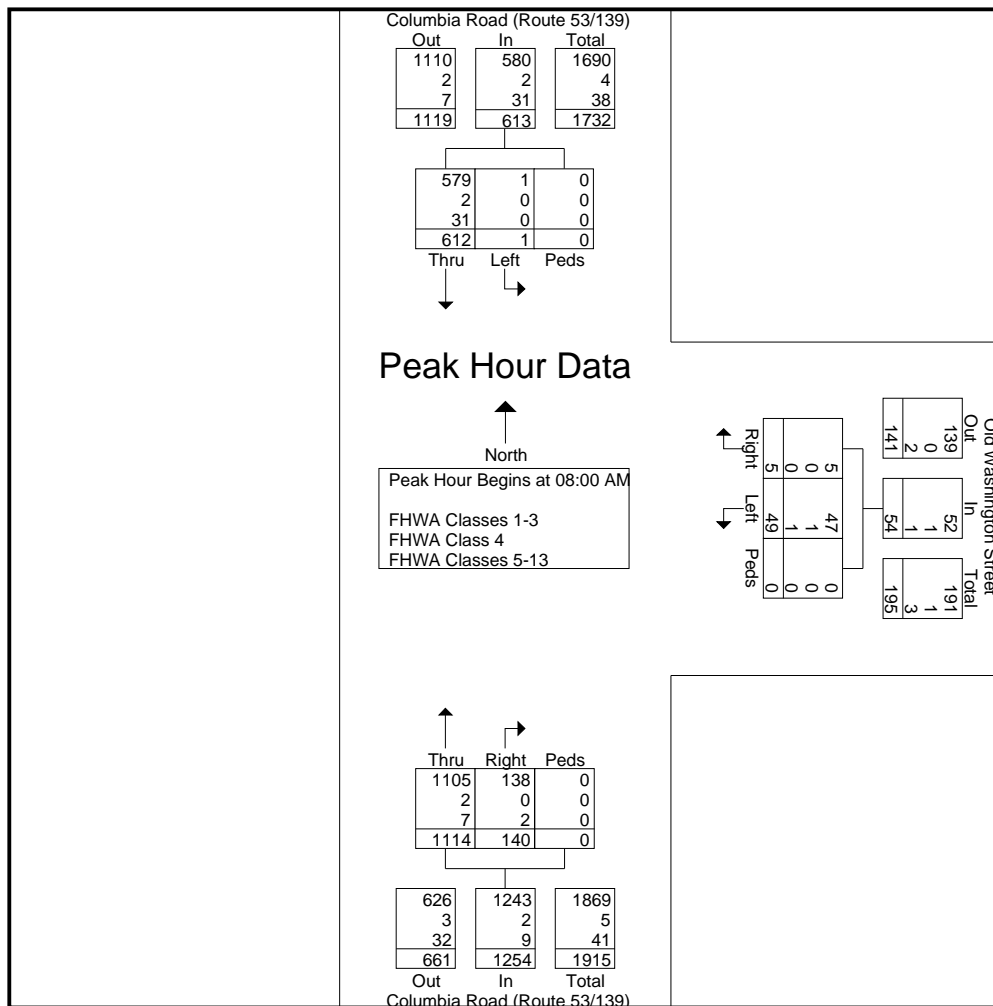
Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833
www.ocpcrpa.org

File Name : 231_Columbia(53-139)&OldWashington_AM
 Site Code : 231
 Start Date : 9/29/2009
 Page No : 4

Start Time	Columbia Road (Route 53/139) Southbound				Old Washington Street Westbound				Columbia Road (Route 53/139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	0	147	0	147	13	0	0	13	265	27	0	292	452
08:15 AM	0	150	0	150	5	2	0	7	286	32	0	318	475
08:30 AM	0	151	0	151	14	2	0	16	278	32	0	310	477
08:45 AM	1	164	0	165	17	1	0	18	285	49	0	334	517
Total Volume	1	612	0	613	49	5	0	54	1114	140	0	1254	1921
% App. Total	0.2	99.8	0		90.7	9.3	0		88.8	11.2	0		
PHF	.250	.933	.000	.929	.721	.625	.000	.750	.974	.714	.000	.939	.929
FHWA Classes 1-3	1	579	0	580	47	5	0	52	1105	138	0	1243	1875
% FHWA Classes 1-3	100	94.6	0	94.6	95.9	100	0	96.3	99.2	98.6	0	99.1	97.6
FHWA Class 4	0	2	0	2	1	0	0	1	2	0	0	2	5
% FHWA Class 4	0	0.3	0	0.3	2.0	0	0	1.9	0.2	0	0	0.2	0.3
FHWA Classes 5-13	0	31	0	31	1	0	0	1	7	2	0	9	41
% FHWA Classes 5-13	0	5.1	0	5.1	2.0	0	0	1.9	0.6	1.4	0	0.7	2.1





Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833

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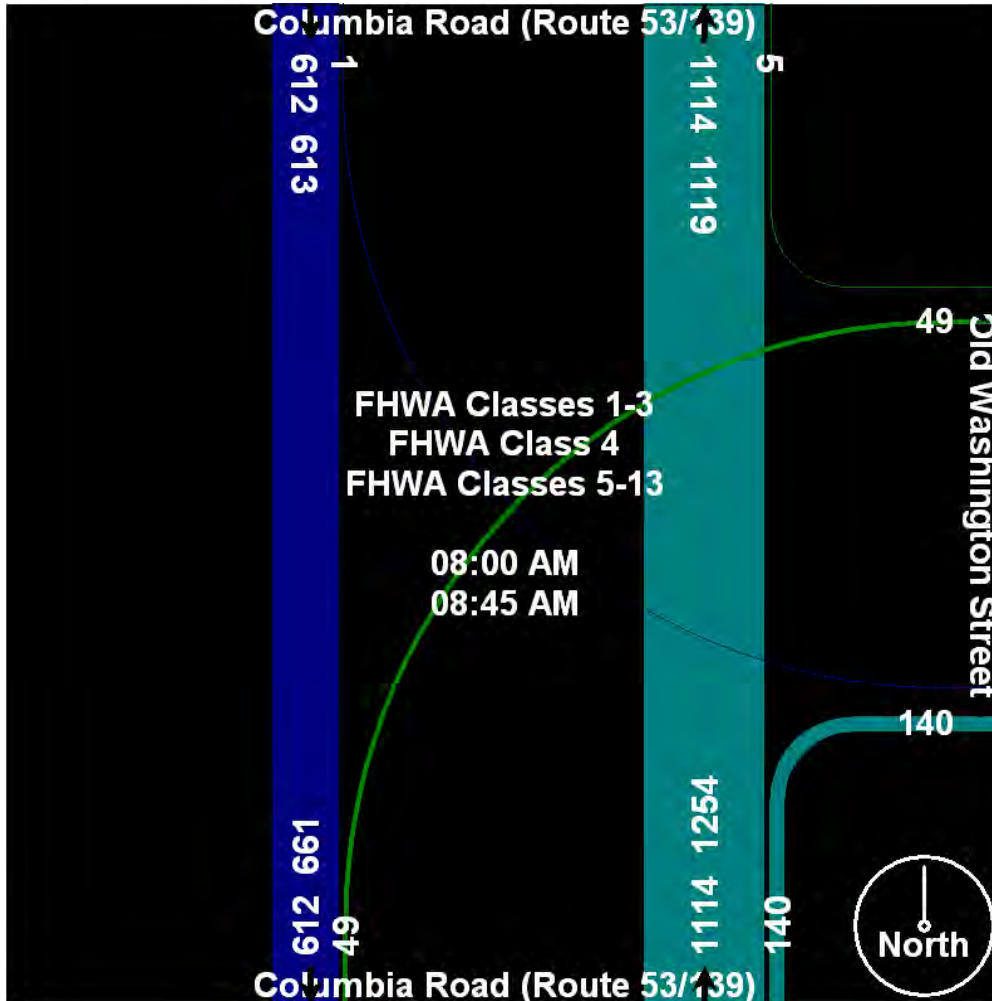
File Name : 231_Columbia(53-139)&OldWashington_AM

Site Code : 231

Start Date : 9/29/2009

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Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH





Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833 File Name : 231_Columbia(53-139)&OldWashington_PM
 Site Code : 231
 www.ocpcrpa.org Start Date : 9/29/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Columbia Road (Route 53/139) Southbound				Old Washington Street Westbound				Columbia Road (Route 53/139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	2	294	0	296	13	0	0	13	235	28	0	263	572
04:15 PM	2	228	0	230	13	0	0	13	203	30	0	233	476
04:30 PM	5	282	0	287	15	2	0	17	193	26	0	219	523
04:45 PM	1	323	0	324	14	2	0	16	214	26	0	240	580
Total	10	1127	0	1137	55	4	0	59	845	110	0	955	2151
05:00 PM	0	319	0	319	13	1	0	14	271	39	0	310	643
05:15 PM	1	301	0	302	14	0	0	14	273	29	0	302	618
05:30 PM	0	329	0	329	9	2	0	11	238	33	0	271	611
05:45 PM	0	296	0	296	22	0	0	22	219	26	0	245	563
Total	1	1245	0	1246	58	3	0	61	1001	127	0	1128	2435
Grand Total	11	2372	0	2383	113	7	0	120	1846	237	0	2083	4586
Apprch %	0.5	99.5	0		94.2	5.8	0		88.6	11.4	0		
Total %	0.2	51.7	0	52	2.5	0.2	0	2.6	40.3	5.2	0	45.4	
FHWA Classes 1-3	11	2333	0	2344	111	7	0	118	1842	233	0	2075	4537
% FHWA Classes 1-3	100	98.4	0	98.4	98.2	100	0	98.3	99.8	98.3	0	99.6	98.9
FHWA Class 4	0	2	0	2	0	0	0	0	1	0	0	1	3
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0.1	0	0	0	0.1
FHWA Classes 5-13	0	37	0	37	2	0	0	2	3	4	0	7	46
% FHWA Classes 5-13	0	1.6	0	1.6	1.8	0	0	1.7	0.2	1.7	0	0.3	1

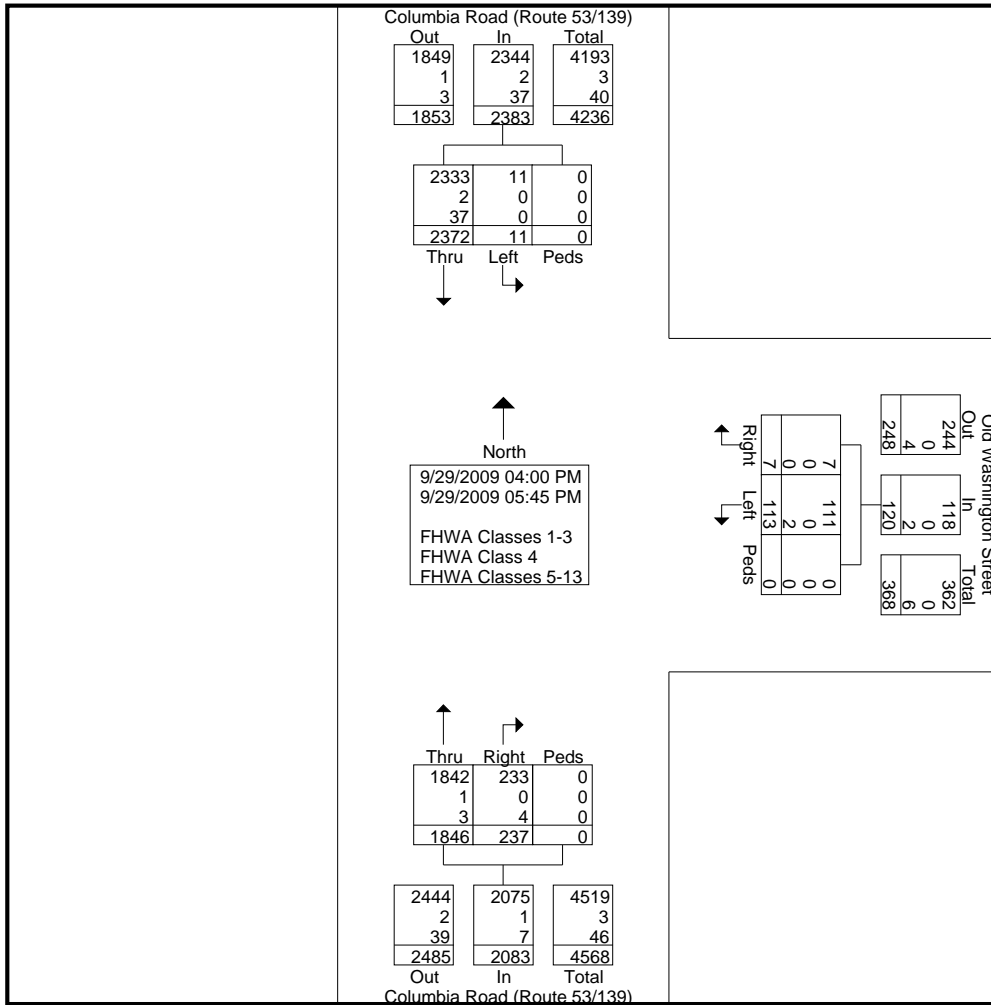


Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833
www.ocpcrpa.org

File Name : 231_Columbia(53-139)&OldWashington_PM
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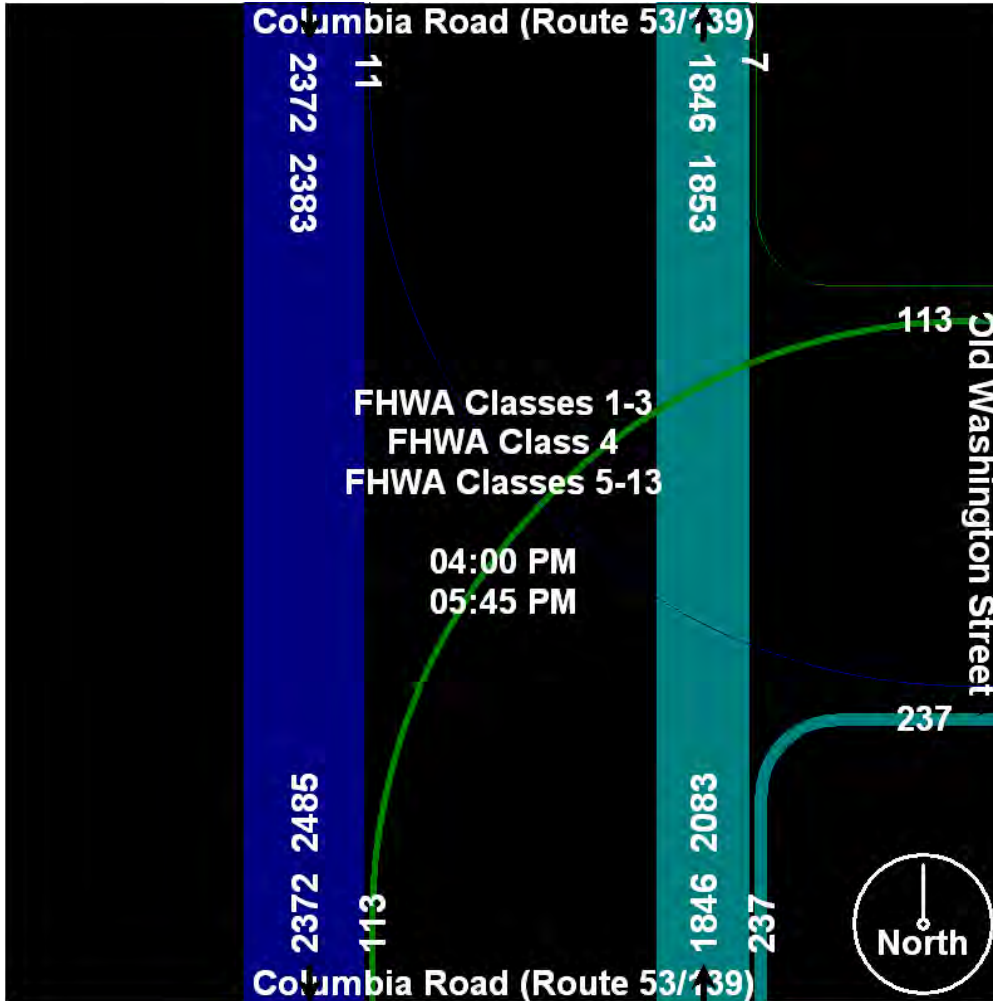




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1837
 www.ocpcrpa.org
 File Name : 231_Columbia(53-139)&OldWashington_PM
 Site Code : 231
 Start Date : 9/29/2009
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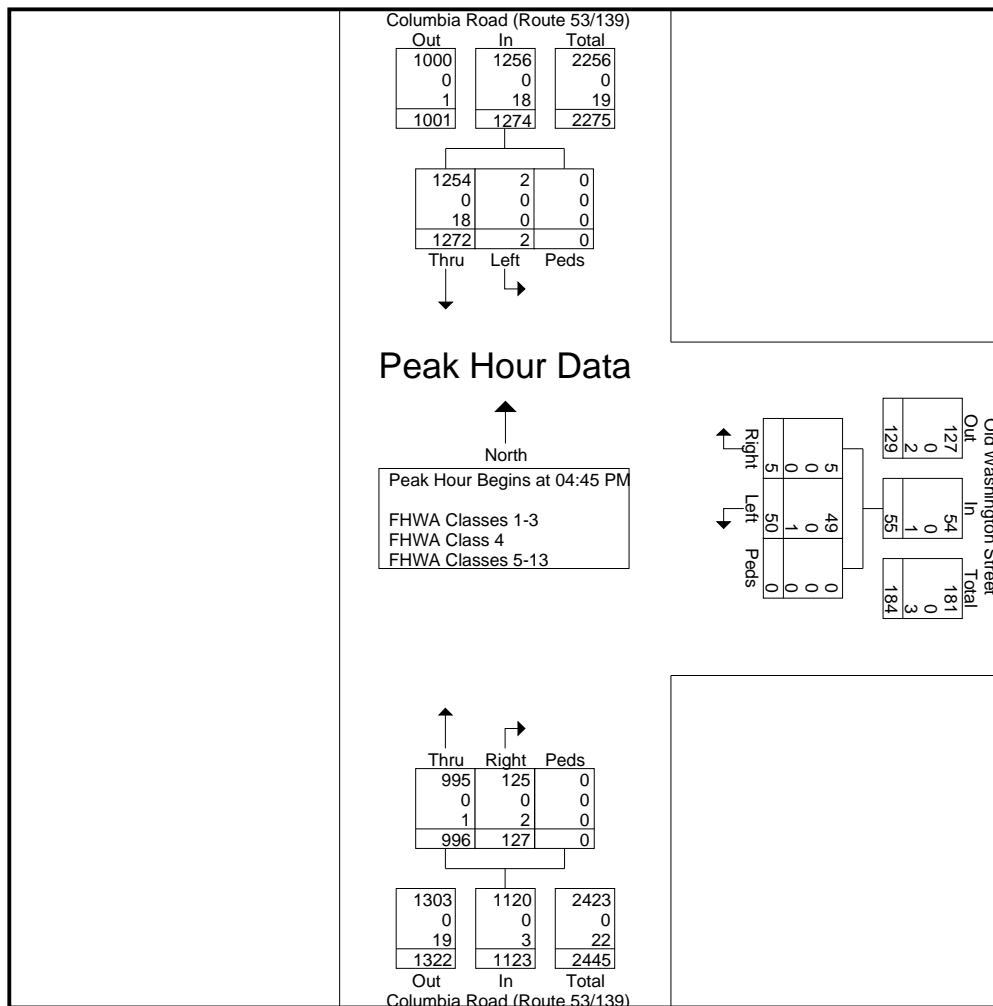
Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

508-583-1833
www.ocpcrpa.org

File Name : 231_Columbia(53-139)&OldWashington_PM
 Site Code : 231
 Start Date : 9/29/2009
 Page No : 4

Start Time	Columbia Road (Route 53/139) Southbound				Old Washington Street Westbound				Columbia Road (Route 53/139) Northbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	1	323	0	324	14	2	0	16	214	26	0	240	580
05:00 PM	0	319	0	319	13	1	0	14	271	39	0	310	643
05:15 PM	1	301	0	302	14	0	0	14	273	29	0	302	618
05:30 PM	0	329	0	329	9	2	0	11	238	33	0	271	611
Total Volume	2	1272	0	1274	50	5	0	55	996	127	0	1123	2452
% App. Total	0.2	99.8	0		90.9	9.1	0		88.7	11.3	0		
PHF	.500	.967	.000	.968	.893	.625	.000	.859	.912	.814	.000	.906	.953
FHWA Classes 1-3	2	1254	0	1256	49	5	0	54	995	125	0	1120	2430
% FHWA Classes 1-3	100	98.6	0	98.6	98.0	100	0	98.2	99.9	98.4	0	99.7	99.1
FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0	0	0	0
FHWA Classes 5-13	0	18	0	18	1	0	0	1	1	2	0	3	22
% FHWA Classes 5-13	0	1.4	0	1.4	2.0	0	0	1.8	0.1	1.6	0	0.3	0.9





Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833

www.ocpcrpa.org

File Name : 231_Columbia(53-139)&OldWashington_PM

Site Code : 231

Start Date : 9/29/2009

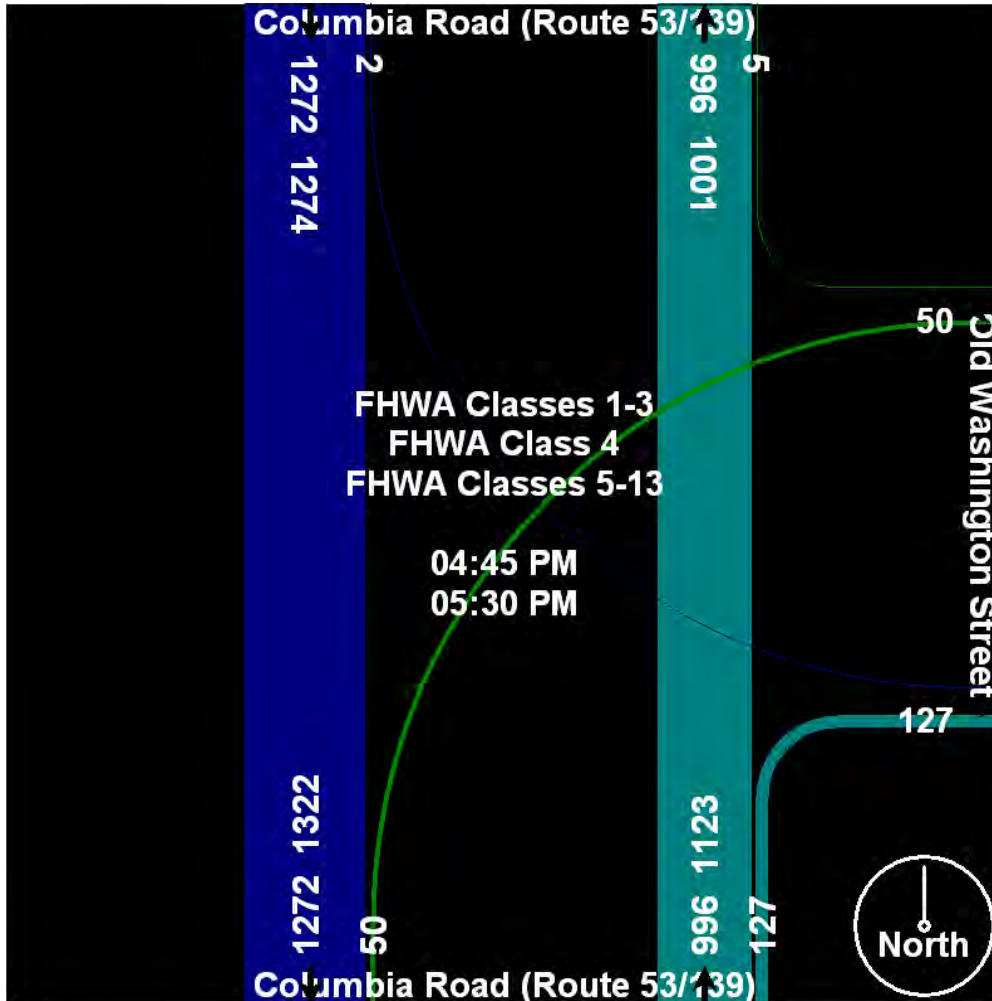
Page No : 5

Community: Pembroke

Weather: Clear

Board #: DB-400 (3)

Staff: BH



HCM Unsignalized Intersection Capacity Analysis
 3: Old Washington St & Columbia Rd

2009 AM Peak Hour LOS



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↙	↗	↕	↘	↙	↕
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	49	5	1114	140	1	612
Peak Hour Factor	0.75	0.75	0.94	0.94	0.93	0.93
Hourly flow rate (vph)	65	7	1185	149	1	658
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)	358					
pX, platoon unblocked	0.85	0.85			0.85	
vC, conflicting volume	1591	667			1185	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1516	424			1036	
tC, single (s)	6.9	7.0			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	28	99			100	
cM capacity (veh/h)	91	485			549	

Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	65	7	790	544	220	439
Volume Left	65	0	0	0	1	0
Volume Right	0	7	0	149	0	0
cSH	91	485	1700	1700	549	1700
Volume to Capacity	0.72	0.01	0.46	0.32	0.00	0.26
Queue Length 95th (ft)	90	1	0	0	0	0
Control Delay (s)	110.5	12.5	0.0	0.0	0.1	0.0
Lane LOS	F	B			A	
Approach Delay (s)	101.4		0.0		0.0	
Approach LOS	F					

Intersection Summary						
Average Delay			3.5			
Intersection Capacity Utilization			45.3%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Old Washington St & Columbia Rd

2009 PM Peak Hour LOS















Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↶	↷	↕↔			↕↔
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	50	5	906	127	2	1272
Peak Hour Factor	0.86	0.86	0.91	0.91	0.97	0.97
Hourly flow rate (vph)	58	6	996	140	2	1311
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)	358					
pX, platoon unblocked	0.90	0.90			0.90	
vC, conflicting volume	1725	568			996	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1694	407			883	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	23	99			100	
cM capacity (veh/h)	75	534			691	

Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	58	6	664	471	439	874
Volume Left	58	0	0	0	2	0
Volume Right	0	6	0	140	0	0
cSH	75	534	1700	1700	691	1700
Volume to Capacity	0.77	0.01	0.39	0.28	0.00	0.51
Queue Length 95th (ft)	93	1	0	0	0	0
Control Delay (s)	141.2	11.8	0.0	0.0	0.1	0.0
Lane LOS	F	B			A	
Approach Delay (s)	129.4		0.0		0.0	
Approach LOS	F					

Intersection Summary						
Average Delay			3.3			
Intersection Capacity Utilization			46.5%		ICU Level of Service	A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Old Washington St & Columbia Rd

Forecast 2014 AM Peak Hour LOS

						
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations			 			 
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	49	5	1114	140	1	612
Peak Hour Factor	0.75	0.75	0.94	0.94	0.93	0.93
Hourly flow rate (vph)	69	7	1244	156	1	691
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)	358					
pX, platoon unblocked	0.82	0.82			0.82	
vC, conflicting volume	1670	700			1244	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1596	409			1075	
tC, single (s)	6.9	7.0			4.2	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	12	99			100	
cM capacity (veh/h)	78	479			512	
Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	69	7	830	571	231	461
Volume Left	69	0	0	0	1	0
Volume Right	0	7	0	156	0	0
cSH	78	479	1700	1700	512	1700
Volume to Capacity	0.88	0.01	0.49	0.34	0.00	0.27
Queue Length 95th (ft)	113	1	0	0	0	0
Control Delay (s)	163.0	12.6	0.0	0.0	0.1	0.0
Lane LOS	F	B			A	
Approach Delay (s)	149.0		0.0		0.0	
Approach LOS	F					
Intersection Summary						
Average Delay			5.2			
Intersection Capacity Utilization			47.0%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Old Washington St & Columbia Rd

Forecast 2014 PM Peak Hour LOS



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↶	↷	↕	↷	↶	↕
Sign Control	Stop		Free			Free
Grade	0%		0%			0%
Volume (veh/h)	50	5	906	127	2	1272
Peak Hour Factor	0.86	0.86	0.91	0.91	0.97	0.97
Hourly flow rate (vph)	61	6	1045	147	2	1377
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None					
Median storage (veh)						
Upstream signal (ft)	358					
pX, platoon unblocked	0.87	0.87			0.87	
vC, conflicting volume	1811	596			1045	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1784	388			904	
tC, single (s)	6.8	6.9			4.1	
tC, 2 stage (s)						
tF (s)	3.5	3.3			2.2	
p0 queue free %	4	99			100	
cM capacity (veh/h)	63	532			657	
Direction, Lane #	WB 1	WB 2	NB 1	NB 2	SB 1	SB 2
Volume Total	61	6	697	495	461	918
Volume Left	61	0	0	0	2	0
Volume Right	0	6	0	147	0	0
cSH	63	532	1700	1700	657	1700
Volume to Capacity	0.96	0.01	0.41	0.29	0.00	0.54
Queue Length 95th (ft)	116	1	0	0	0	0
Control Delay (s)	210.9	11.9	0.0	0.0	0.1	0.0
Lane LOS	F	B			A	
Approach Delay (s)	192.8		0.0		0.0	
Approach LOS	F					
Intersection Summary						
Average Delay			4.9			
Intersection Capacity Utilization			48.4%	ICU Level of Service	A	
Analysis Period (min)			15			

HCM Signalized Intersection Capacity Analysis

3: Old Washington St & Columbia Rd

Conceptual 2014 AM Peak Hour LOS with Improvements



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0			4.0
Lane Util. Factor	1.00	1.00	0.95			0.95
Frt	1.00	0.85	0.98			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	1736	1553	3515			3438
Flt Permitted	0.95	1.00	1.00			0.95
Satd. Flow (perm)	1736	1553	3515			3281
Volume (vph)	49	5	1114	140	1	612
Peak-hour factor, PHF	0.75	0.75	0.94	0.94	0.93	0.93
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	69	7	1244	156	1	691
RTOR Reduction (vph)	0	6	5	0	0	0
Lane Group Flow (vph)	69	1	1395	0	0	692
Heavy Vehicles (%)	4%	4%	1%	1%	5%	5%
Turn Type		Perm			Perm	
Protected Phases	8		2			6
Permitted Phases		8			6	
Actuated Green, G (s)	5.8	5.8	66.2			66.2
Effective Green, g (s)	5.8	5.8	66.2			66.2
Actuated g/C Ratio	0.07	0.07	0.83			0.83
Clearance Time (s)	4.0	4.0	4.0			4.0
Vehicle Extension (s)	3.0	3.0	3.0			3.0
Lane Grp Cap (vph)	126	113	2909			2715
v/s Ratio Prot	c0.04		c0.40			
v/s Ratio Perm		0.00				0.21
v/c Ratio	0.55	0.00	0.48			0.25
Uniform Delay, d1	35.8	34.4	2.0			1.5
Progression Factor	1.00	1.00	0.77			1.00
Incremental Delay, d2	4.8	0.0	0.4			0.2
Delay (s)	40.6	34.4	1.9			1.7
Level of Service	D	C	A			A
Approach Delay (s)	40.1		1.9			1.7
Approach LOS	D		A			A
Intersection Summary						
HCM Average Control Delay			3.2		HCM Level of Service	A
HCM Volume to Capacity ratio			0.49			
Actuated Cycle Length (s)			80.0		Sum of lost time (s)	8.0
Intersection Capacity Utilization			47.0%		ICU Level of Service	A
Analysis Period (min)			15			
c Critical Lane Group						

HCM Signalized Intersection Capacity Analysis

3: Old Washington St & Columbia Rd

Conceptual 2014 PM Peak Hour LOS with Improvements



Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0			4.0
Lane Util. Factor	1.00	1.00	0.95			0.95
Frt	1.00	0.85	0.98			1.00
Flt Protected	0.95	1.00	1.00			1.00
Satd. Flow (prot)	1770	1583	3543			3574
Flt Permitted	0.95	1.00	1.00			0.95
Satd. Flow (perm)	1770	1583	3543			3410
Volume (vph)	50	5	906	127	2	1272
Peak-hour factor, PHF	0.86	0.86	0.91	0.91	0.97	0.97
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	61	6	1045	147	2	1377
RTOR Reduction (vph)	0	6	5	0	0	0
Lane Group Flow (vph)	61	0	1187	0	0	1379
Heavy Vehicles (%)	2%	2%	0%	0%	1%	1%
Turn Type		Perm			Perm	
Protected Phases	8		2			6
Permitted Phases		8			6	
Actuated Green, G (s)	5.7	5.7	76.3			76.3
Effective Green, g (s)	5.7	5.7	76.3			76.3
Actuated g/C Ratio	0.06	0.06	0.85			0.85
Clearance Time (s)	4.0	4.0	4.0			4.0
Vehicle Extension (s)	3.0	3.0	3.0			3.0
Lane Grp Cap (vph)	112	100	3004			2891
v/s Ratio Prot	c0.03		0.34			
v/s Ratio Perm		0.00				c0.40
v/c Ratio	0.54	0.00	0.40			0.48
Uniform Delay, d1	40.9	39.5	1.6			1.8
Progression Factor	1.00	1.00	0.87			1.00
Incremental Delay, d2	5.3	0.0	0.3			0.6
Delay (s)	46.2	39.5	1.6			2.3
Level of Service	D	D	A			A
Approach Delay (s)	45.6		1.6			2.3
Approach LOS	D		A			A

Intersection Summary

HCM Average Control Delay	3.1	HCM Level of Service	A
HCM Volume to Capacity ratio	0.48		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	8.0
Intersection Capacity Utilization	48.4%	ICU Level of Service	A
Analysis Period (min)	15		
c Critical Lane Group			

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-09

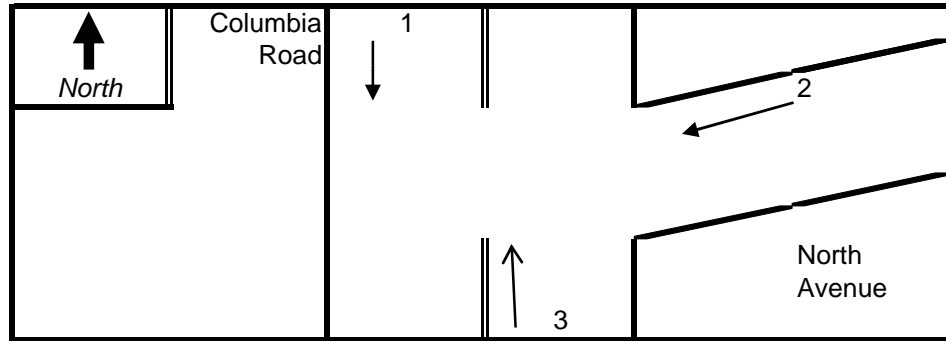
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Columbia Road (Route 139 / 53)

MINOR STREET(S) : Washington Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	SB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	1,274	55	1,123			2,452

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

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

CRASH RATE CALCULATION :

0.44

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

Comments : _____

Project Title & Date: _____

Old Colony Planning Council

70 School Street

Brockton, MA 02301

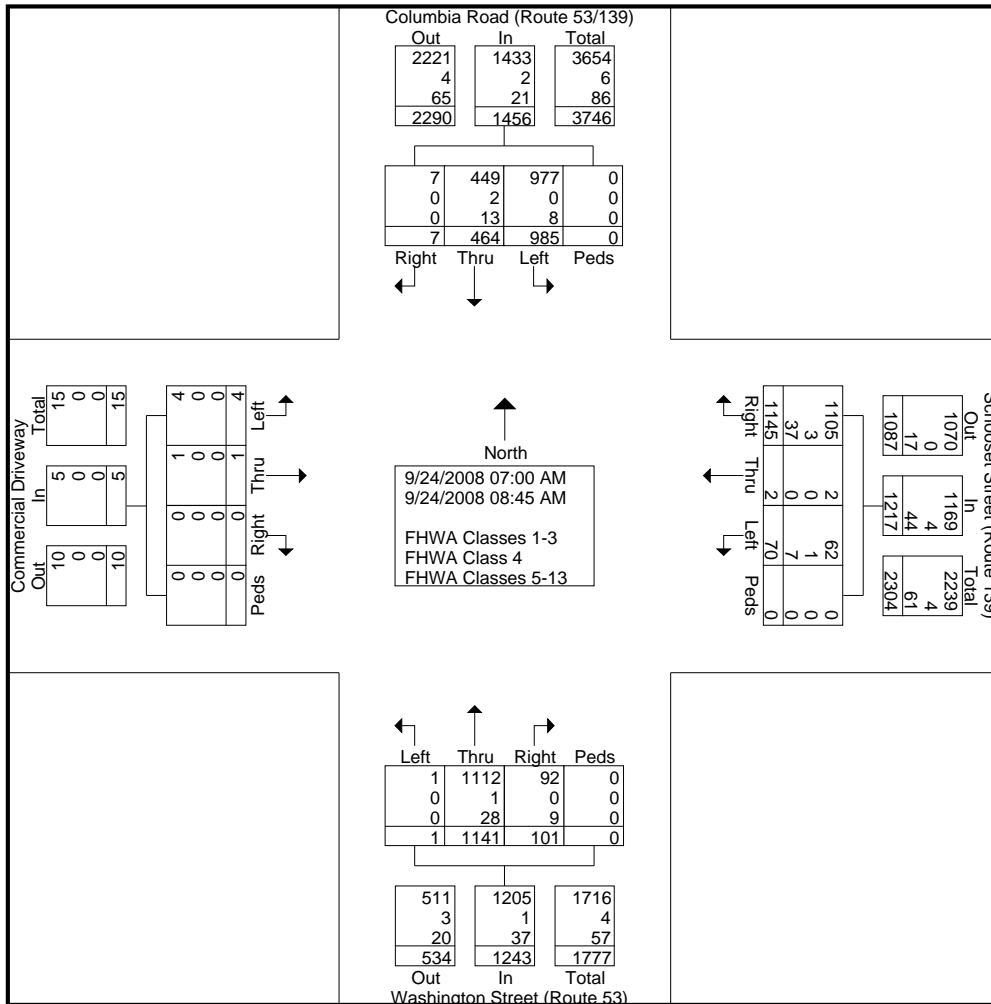
508-583-1833

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BH

File Name : 231_Washington&Schooset_AM
 Site Code : 231
 Start Date : 9/24/2008
 Page No : 1

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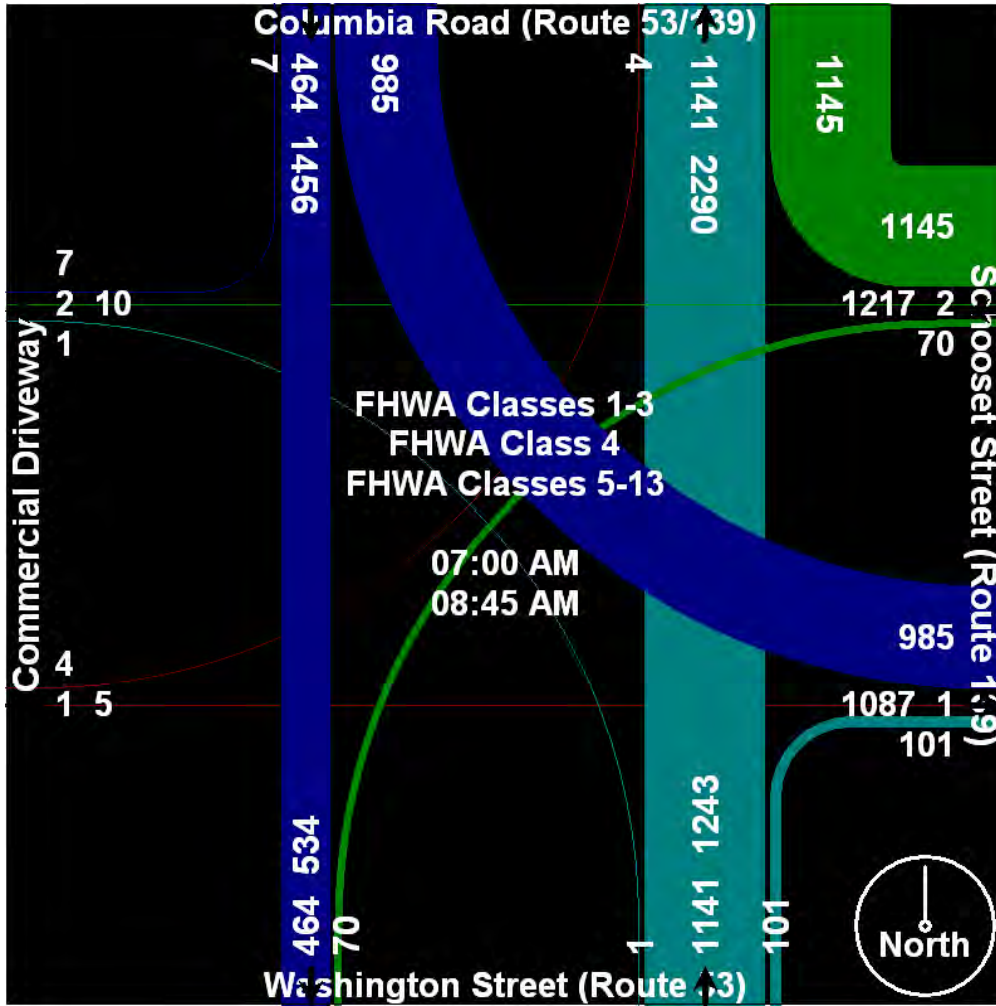
Start Time	Columbia Road (Route 53/139) Southbound					Schooset Street (Route 139) Westbound					Washington Street (Route 53) Northbound					Commercial Driveway Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	98	39	1	0	138	7	0	117	0	124	0	120	16	0	136	0	0	0	0	0	398
07:15 AM	87	45	0	0	132	7	1	144	0	152	0	143	5	0	148	0	0	0	0	0	432
07:30 AM	100	46	0	0	146	5	0	145	0	150	0	163	6	0	169	1	0	0	0	0	466
07:45 AM	156	59	1	0	216	9	0	164	0	173	0	162	16	0	178	0	0	0	0	0	567
Total	441	189	2	0	632	28	1	570	0	599	0	588	43	0	631	1	0	0	0	1	1863
08:00 AM	122	68	2	0	192	14	0	148	0	162	0	151	10	0	161	1	0	0	0	1	516
08:15 AM	142	66	0	0	208	7	1	149	0	157	0	145	12	0	157	0	0	0	0	0	522
08:30 AM	134	56	1	0	191	7	0	139	0	146	1	130	13	0	144	1	1	0	0	2	483
08:45 AM	146	85	2	0	233	14	0	139	0	153	0	127	23	0	150	1	0	0	0	1	537
Total	544	275	5	0	824	42	1	575	0	618	1	553	58	0	612	3	1	0	0	4	2058
Grand Total	985	464	7	0	1456	70	2	1145	0	1217	1	1141	101	0	1243	4	1	0	0	5	3921
Apprch %	67.7	31.9	0.5	0		5.8	0.2	94.1	0		0.1	91.8	8.1	0		80	20	0	0		
Total %	25.1	11.8	0.2	0	37.1	1.8	0.1	29.2	0	31	0	29.1	2.6	0	31.7	0.1	0	0	0	0.1	
FHWA Classes 1-3	977	449	7	0	1433	62	2	1105	0	1169	1	1112	92	0	1205	4	1	0	0	5	3812
% FHWA Classes 1-3	99.2	96.8	100	0	98.4	88.6	100	96.5	0	96.1	100	97.5	91.1	0	96.9	100	100	0	0	100	97.2
FHWA Class 4	0	2	0	0	2	1	0	3	0	4	0	1	0	0	1	0	0	0	0	0	7
% FHWA Class 4	0	0.4	0	0	0.1	1.4	0	0.3	0	0.3	0	0.1	0	0	0.1	0	0	0	0	0	0.2
FHWA Classes 5-13	8	13	0	0	21	7	0	37	0	44	0	28	9	0	37	0	0	0	0	0	102
% FHWA Classes 5-13	0.8	2.8	0	0	1.4	10	0	3.2	0	3.6	0	2.5	8.9	0	3	0	0	0	0	0	2.6



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

Community: Pembroke
Weather: Clear
Board #: DB-400 (6)
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File Name : 231_Washington&Schooset_AM
Site Code : 231
Start Date : 9/24/2008
Page No : 2



Old Colony Planning Council

70 School Street

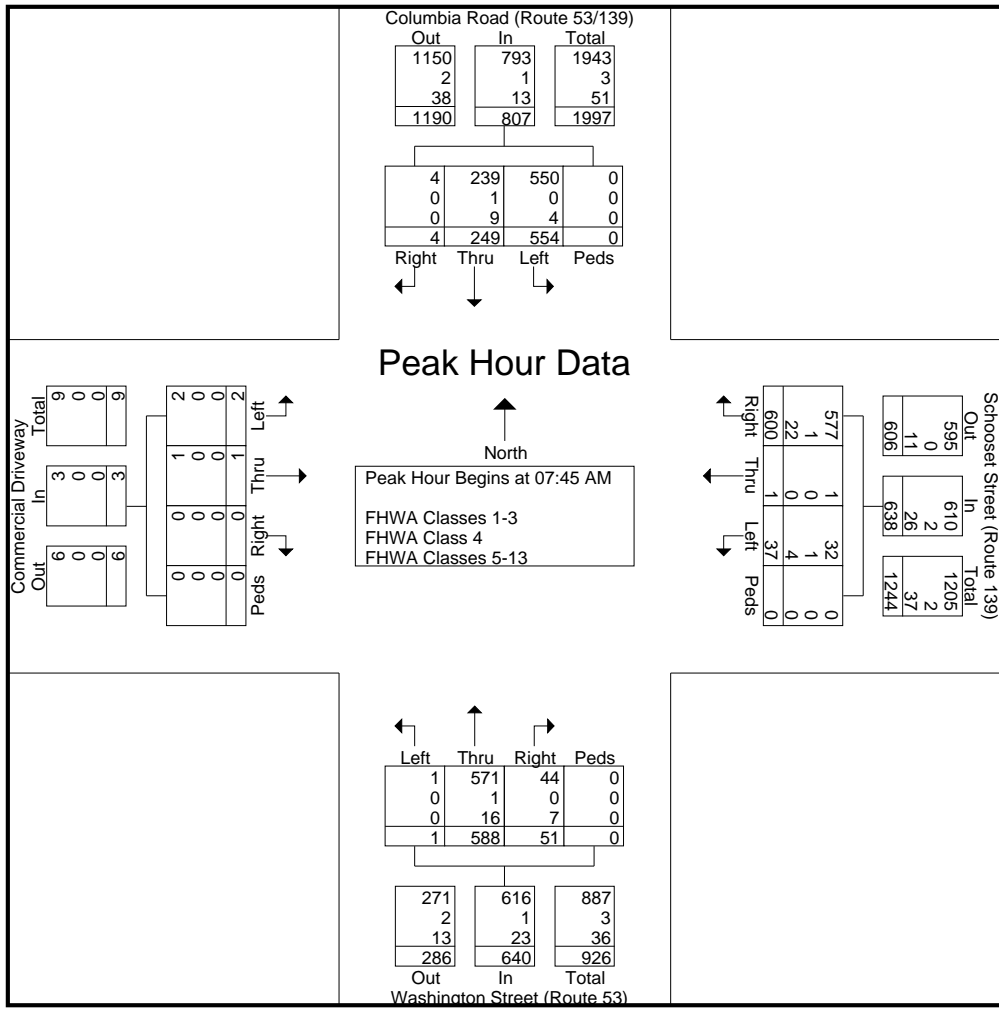
Brockton, MA 02301

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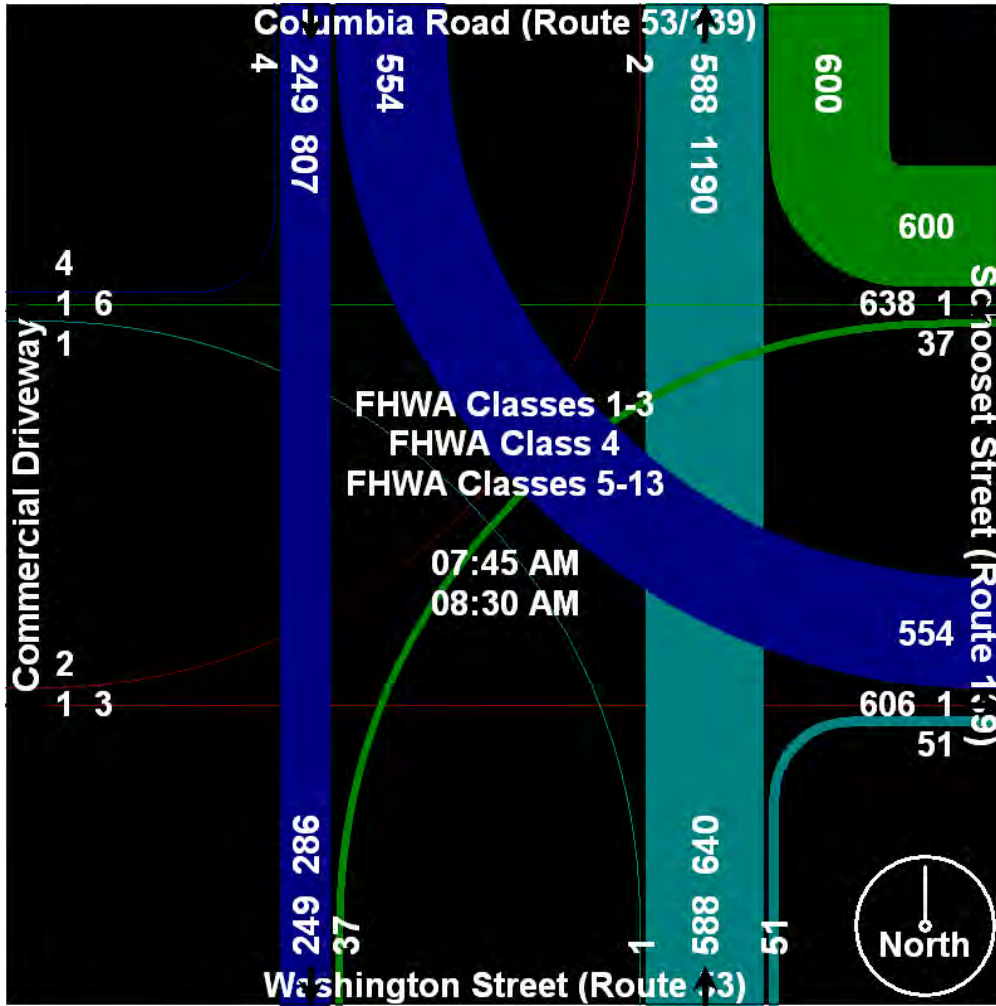
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	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:45 AM																						
07:45 AM	156	59	1	0	216	9	0	164	0	173	0	162	16	0	178	0	0	0	0	0	567	
08:00 AM	122	68	2	0	192	14	0	148	0	162	0	151	10	0	161	1	0	0	0	0	1	516
08:15 AM	142	66	0	0	208	7	1	149	0	157	0	145	12	0	157	0	0	0	0	0	0	522
08:30 AM	134	56	1	0	191	7	0	139	0	146	1	130	13	0	144	1	1	0	0	0	2	483
Total Volume	554	249	4	0	807	37	1	600	0	638	1	588	51	0	640	2	1	0	0	0	3	2088
% App. Total	68.6	30.9	0.5	0		5.8	0.2	94	0		0.2	91.9	8	0		66.7	33.3	0	0			
PHF	.888	.915	.500	.000	.934	.661	.250	.915	.000	.922	.250	.907	.797	.000	.899	.500	.250	.000	.000	.375	.921	
FHWA Classes 1-3	550	239	4	0	793	32	1	577	0	610	1	571	44	0	616	2	1	0	0	0	3	2022
% FHWA Classes 1-3	99.3	96.0	100	0	98.3	86.5	100	96.2	0	95.6	100	97.1	86.3	0	96.3	100	100	0	0	0	100	96.8
FHWA Class 4	0	1	0	0	1	1	0	1	0	2	0	1	0	0	1	0	0	0	0	0	0	4
% FHWA Class 4	0	0.4	0	0	0.1	2.7	0	0.2	0	0.3	0	0.2	0	0	0.2	0	0	0	0	0	0	0.2
FHWA Classes 5-13	4	9	0	0	13	4	0	22	0	26	0	16	7	0	23	0	0	0	0	0	0	62
% FHWA Classes 5-13	0.7	3.6	0	0	1.6	10.8	0	3.7	0	4.1	0	2.7	13.7	0	3.6	0	0	0	0	0	0	3.0



Old Colony Planning Council
70 School Street
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Old Colony Planning Council

70 School Street

Brockton, MA 02301

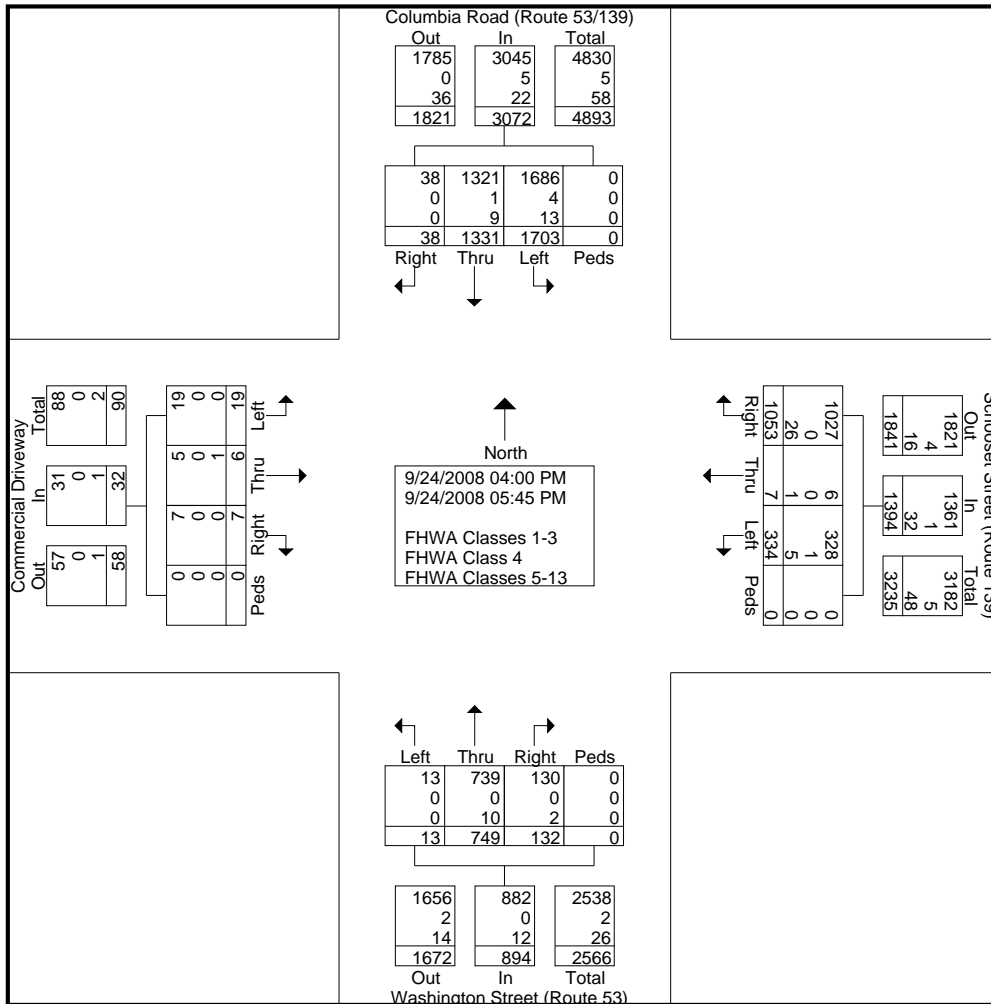
508-583-1833

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (6)
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File Name : 231_Washington&Schooset_PM
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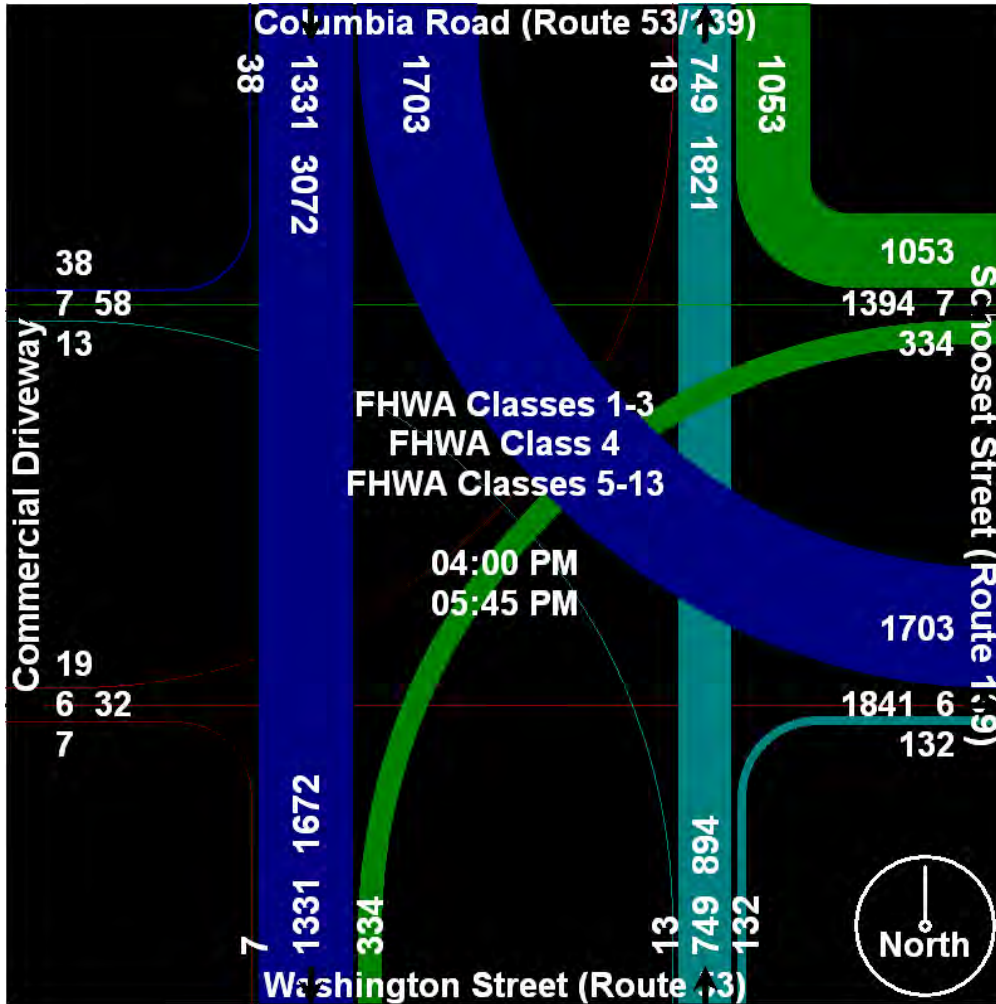
Start Time Factor	Columbia Road (Route 53/139) Southbound					Schooset Street (Route 139) Westbound					Washington Street (Route 53) Northbound					Commercial Driveway Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
04:00 PM	173	145	2	0	320	31	1	148	0	180	3	76	12	0	91	3	0	1	0	4	595
04:15 PM	169	166	4	0	339	43	3	106	0	152	2	90	9	0	101	6	2	1	0	9	601
04:30 PM	219	148	3	0	370	45	0	122	0	167	1	104	14	0	119	1	0	1	0	2	658
04:45 PM	238	138	6	0	382	38	1	115	0	154	0	95	18	0	113	1	1	0	0	2	651
Total	799	597	15	0	1411	157	5	491	0	653	6	365	53	0	424	11	3	3	0	17	2505
05:00 PM	222	172	2	0	396	40	0	143	0	183	2	89	22	0	113	0	1	2	0	3	695
05:15 PM	214	164	5	0	383	50	1	138	0	189	0	104	15	0	119	1	0	1	0	2	693
05:30 PM	243	200	9	0	452	46	1	131	0	178	1	93	13	0	107	6	1	0	0	7	744
05:45 PM	225	198	7	0	430	41	0	150	0	191	4	98	29	0	131	1	1	1	0	3	755
Total	904	734	23	0	1661	177	2	562	0	741	7	384	79	0	470	8	3	4	0	15	2887
Grand Total	1703	1331	38	0	3072	334	7	1053	0	1394	13	749	132	0	894	19	6	7	0	32	5392
Apprch %	55.4	43.3	1.2	0		24	0.5	75.5	0		1.5	83.8	14.8	0		59.4	18.8	21.9	0		
Total %	31.6	24.7	0.7	0	57	6.2	0.1	19.5	0	25.9	0.2	13.9	2.4	0	16.6	0.4	0.1	0.1	0	0.6	
FHWA Classes 1-3	1686	1321	38	0	3045	328	6	1027	0	1361	13	739	130	0	882	19	5	7	0	31	5319
% FHWA Classes 1-3	99	99.2	100	0	99.1	98.2	85.7	97.5	0	97.6	100	98.7	98.5	0	98.7	100	83.3	100	0	96.9	98.6
FHWA Class 4	4	1	0	0	5	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	6
% FHWA Class 4	0.2	0.1	0	0	0.2	0.3	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0.1
FHWA Classes 5-13	13	9	0	0	22	5	1	26	0	32	0	10	2	0	12	0	1	0	0	1	67
% FHWA Classes 5-13	0.8	0.7	0	0	0.7	1.5	14.3	2.5	0	2.3	0	1.3	1.5	0	1.3	0	16.7	0	0	3.1	1.2



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

Community: Pembroke
Weather: Clear
Board #: DB-400 (6)
Staff: BH

File Name : 231_Washington&Schooset_PM
Site Code : 231
Start Date : 9/24/2008
Page No : 2



Old Colony Planning Council

70 School Street

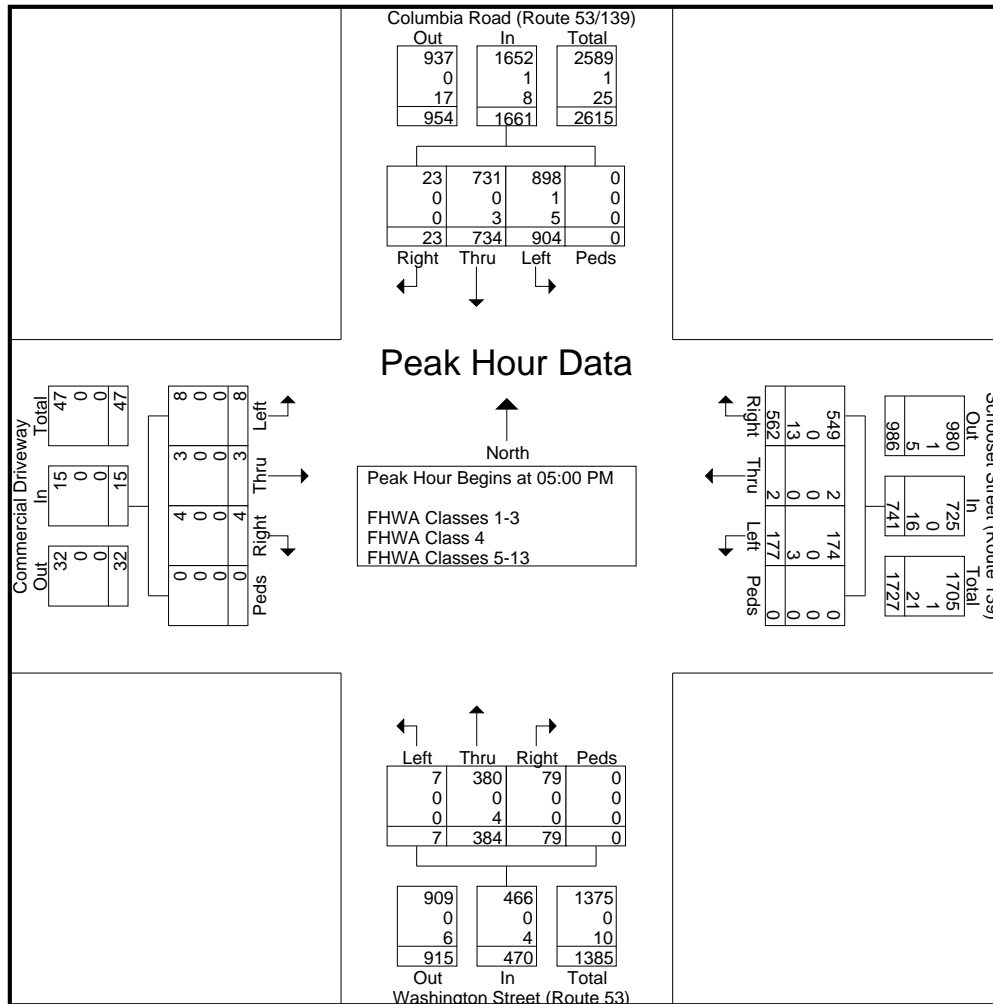
Brockton, MA 02301

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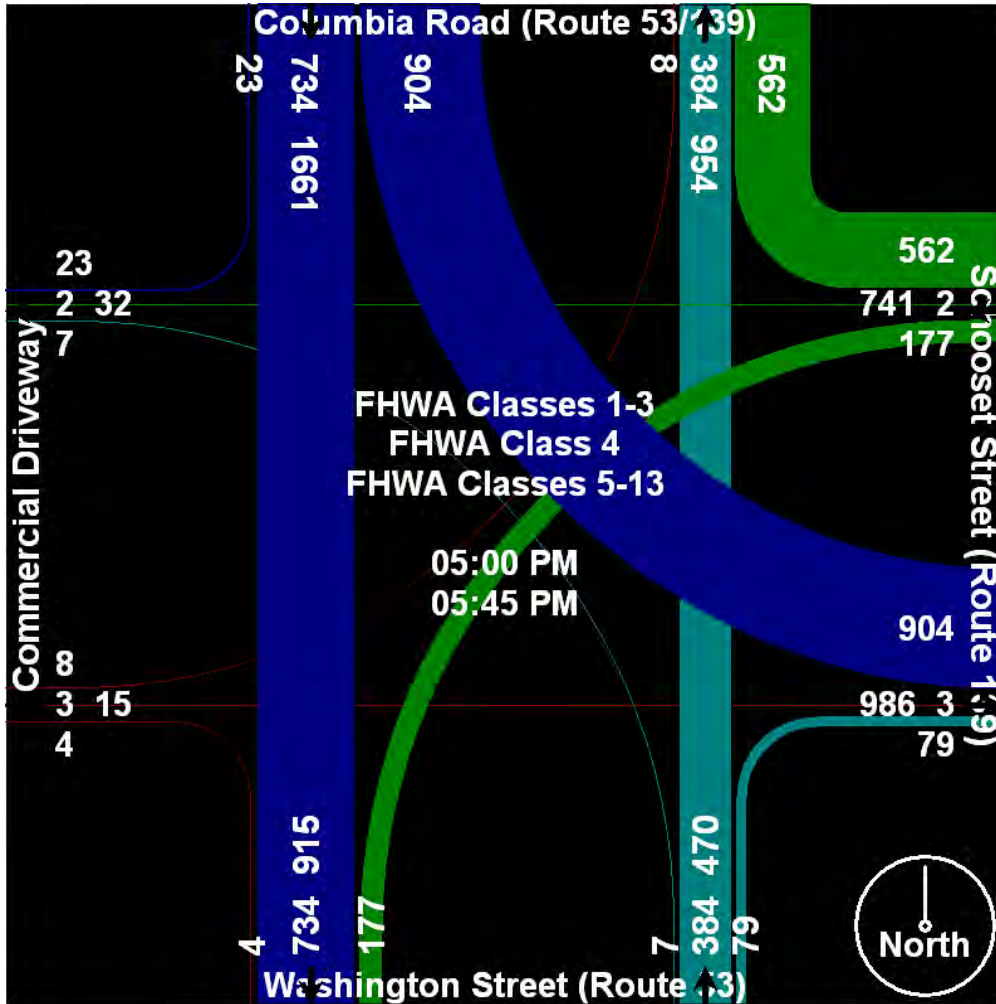
Start Time	Columbia Road (Route 53/139) Southbound					Schooset Street (Route 139) Westbound					Washington Street (Route 53) Northbound					Commercial Driveway Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	222	172	2	0	396	40	0	143	0	183	2	89	22	0	113	0	1	2	0	3	695
05:15 PM	214	164	5	0	383	50	1	138	0	189	0	104	15	0	119	1	0	1	0	2	693
05:30 PM	243	200	9	0	452	46	1	131	0	178	1	93	13	0	107	6	1	0	0	7	744
05:45 PM	225	198	7	0	430	41	0	150	0	191	4	98	29	0	131	1	1	1	0	3	755
Total Volume	904	734	23	0	1661	177	2	562	0	741	7	384	79	0	470	8	3	4	0	15	2887
% App. Total	54.4	44.2	1.4	0		23.9	0.3	75.8	0		1.5	81.7	16.8	0		53.3	20	26.7	0		
PHF	.930	.918	.639	.000	.919	.885	.500	.937	.000	.970	.438	.923	.681	.000	.897	.333	.750	.500	.000	.536	.956
FHWA Classes 1-3	898	731	23	0	1652	174	2	549	0	725	7	380	79	0	466	8	3	4	0	15	2858
% FHWA Classes 1-3	99.3	99.6	100	0	99.5	98.3	100	97.7	0	97.8	100	99.0	100	0	99.1	100	100	100	0	100	99.0
FHWA Class 4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
% FHWA Class 4	0.1	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
FHWA Classes 5-13	5	3	0	0	8	3	0	13	0	16	0	4	0	0	4	0	0	0	0	0	28
% FHWA Classes 5-13	0.6	0.4	0	0	0.5	1.7	0	2.3	0	2.2	0	1.0	0	0	0.9	0	0	0	0	0	1.0



Old Colony Planning Council
70 School Street
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HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street

2009 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00			1.00	1.00		0.95		1.00	1.00	
Frt	1.00	1.00			1.00	0.85		0.99		1.00	1.00	
Flt Protected	0.95	1.00			0.95	1.00		1.00		0.95	1.00	
Satd. Flow (prot)	1805	1900			1742	1553		3429		1770	1859	
Flt Permitted	0.73	1.00			0.75	1.00		0.95		0.20	1.00	
Satd. Flow (perm)	1386	1900			1367	1553		3274		371	1859	
Volume (vph)	2	1	0	37	1	600	1	588	51	654	249	4
Peak-hour factor, PHF	0.36	0.36	0.36	0.92	0.92	0.92	0.90	0.90	0.90	0.93	0.93	0.93
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	6	3	0	41	1	665	1	666	58	717	273	4
RTOR Reduction (vph)	0	0	0	0	0	574	0	7	0	0	0	0
Lane Group Flow (vph)	6	3	0	0	42	91	0	718	0	717	277	0
Heavy Vehicles (%)	0%	0%	0%	4%	4%	4%	4%	4%	4%	2%	2%	2%
Turn Type	Perm			Perm		Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases	4			8		8	2			6		
Actuated Green, G (s)	10.2	10.2			10.2	10.2		24.5		56.2	56.2	
Effective Green, g (s)	10.2	10.2			10.2	10.2		24.5		56.2	56.2	
Actuated g/C Ratio	0.14	0.14			0.14	0.14		0.33		0.76	0.76	
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)	190	260			187	213		1078		801	1404	
v/s Ratio Prot		0.00								c0.33	0.15	
v/s Ratio Perm	0.00				0.03	c0.06		0.22		c0.34		
v/c Ratio	0.03	0.01			0.22	0.43		0.67		0.90	0.20	
Uniform Delay, d1	27.8	27.7			28.6	29.4		21.4		14.2	2.6	
Progression Factor	1.00	1.00			1.00	1.00		1.00		1.00	1.00	
Incremental Delay, d2	0.1	0.0			0.6	1.4		3.3		12.5	0.3	
Delay (s)	27.9	27.8			29.2	30.8		24.7		26.7	2.9	
Level of Service	C	C			C	C		C		C	A	
Approach Delay (s)		27.8			30.7			24.7			20.1	
Approach LOS		C			C			C			C	
Intersection Summary												
HCM Average Control Delay			24.6				HCM Level of Service			C		
HCM Volume to Capacity ratio			0.81									
Actuated Cycle Length (s)			74.4				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			74.0%				ICU Level of Service			D		
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street























2009 PM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00			1.00	1.00		0.95		1.00	1.00	
Frt	1.00	0.91			1.00	0.85		0.97		1.00	1.00	
Flt Protected	0.95	1.00			0.95	1.00		1.00		0.95	1.00	
Satd. Flow (prot)	1805	1737			1775	1583		3481		1787	1872	
Flt Permitted	0.44	1.00			0.72	1.00		0.94		0.20	1.00	
Satd. Flow (perm)	840	1737			1338	1583		3272		376	1872	
Volume (vph)	8	3	4	177	2	562	7	384	79	904	734	23
Peak-hour factor, PHF	0.54	0.54	0.54	0.97	0.97	0.97	0.90	0.90	0.90	0.92	0.92	0.92
Growth Factor (vph)	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
Adj. Flow (vph)	15	6	8	186	2	591	8	435	90	1002	814	26
RTOR Reduction (vph)	0	7	0	0	0	491	0	19	0	0	1	0
Lane Group Flow (vph)	15	7	0	0	188	100	0	514	0	1002	839	0
Heavy Vehicles (%)	0%	0%	0%	2%	2%	2%	1%	1%	1%	1%	1%	1%
Turn Type	Perm			Perm		Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases	4			8		8	2			6		
Actuated Green, G (s)	15.0	15.0			15.0	15.0		16.0		66.0	66.0	
Effective Green, g (s)	15.0	15.0			15.0	15.0		16.0		66.0	66.0	
Actuated g/C Ratio	0.17	0.17			0.17	0.17		0.18		0.74	0.74	
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)	142	293			226	267		588		1008	1388	
v/s Ratio Prot		0.00								c0.51	0.45	
v/s Ratio Perm	0.02				c0.14	0.06		0.16		c0.22		
v/c Ratio	0.11	0.03			0.83	0.37		0.87		0.99	0.60	
Uniform Delay, d1	31.3	30.9			35.8	32.8		35.5		17.2	5.4	
Progression Factor	1.00	1.00			1.00	1.00		1.00		1.00	1.00	
Incremental Delay, d2	0.3	0.0			22.2	0.9		16.5		26.7	2.0	
Delay (s)	31.7	30.9			58.0	33.7		52.0		43.9	7.3	
Level of Service	C	C			E	C		D		D	A	
Approach Delay (s)		31.3			39.6			52.0			27.2	
Approach LOS		C			D			D			C	
Intersection Summary												
HCM Average Control Delay			34.4				HCM Level of Service			C		
HCM Volume to Capacity ratio			0.95									
Actuated Cycle Length (s)			89.0				Sum of lost time (s)		8.0			
Intersection Capacity Utilization			91.5%				ICU Level of Service		F			
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street





















Forecast 2014 AM Peak Hour LOS

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0		
Lane Util. Factor	1.00	1.00			1.00	1.00		0.95		1.00	1.00		
Frt	1.00	1.00			1.00	0.85		0.99		1.00	1.00		
Flt Protected	0.95	1.00			0.95	1.00		1.00		0.95	1.00		
Satd. Flow (prot)	1805	1900			1742	1553		3429		1770	1858		
Flt Permitted	0.73	1.00			0.75	1.00		0.95		0.16	1.00		
Satd. Flow (perm)	1384	1900			1374	1553		3274		294	1858		
Volume (vph)	2	1	0	37	1	600	1	588	51	654	249	4	
Peak-hour factor, PHF	0.36	0.36	0.36	0.92	0.92	0.92	0.90	0.90	0.90	0.93	0.93	0.93	
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	
Adj. Flow (vph)	6	3	0	43	1	698	1	699	61	752	286	5	
RTOR Reduction (vph)	0	0	0	0	0	581	0	8	0	0	1	0	
Lane Group Flow (vph)	6	3	0	0	44	117	0	753	0	752	290	0	
Heavy Vehicles (%)	0%	0%	0%	4%	4%	4%	4%	4%	4%	2%	2%	2%	
Turn Type	Perm			Perm		Perm	Perm			pm+pt			
Protected Phases		4			8			2		1	6		
Permitted Phases	4			8		8	2			6			
Actuated Green, G (s)	11.0	11.0			11.0	11.0		22.6		56.2	56.2		
Effective Green, g (s)	11.0	11.0			11.0	11.0		22.6		56.2	56.2		
Actuated g/C Ratio	0.15	0.15			0.15	0.15		0.30		0.75	0.75		
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0		
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0		3.0	3.0		
Lane Grp Cap (vph)	202	278			201	227		984		801	1389		
v/s Ratio Prot		0.00								c0.37	0.16		
v/s Ratio Perm	0.00				0.03	c0.08		0.23		c0.33			
v/c Ratio	0.03	0.01			0.22	0.51		0.77		0.94	0.21		
Uniform Delay, d1	27.5	27.4			28.3	29.6		23.9		16.5	2.8		
Progression Factor	1.00	1.00			1.00	1.00		1.00		1.00	1.00		
Incremental Delay, d2	0.1	0.0			0.6	2.0		5.7		18.4	0.3		
Delay (s)	27.6	27.5			28.9	31.6		29.6		34.9	3.2		
Level of Service	C	C			C	C		C		C	A		
Approach Delay (s)		27.5			31.4			29.6			26.0		
Approach LOS		C			C			C			C		
Intersection Summary													
HCM Average Control Delay			28.7				HCM Level of Service			C			
HCM Volume to Capacity ratio			0.85										
Actuated Cycle Length (s)			75.2				Sum of lost time (s)		8.0				
Intersection Capacity Utilization			76.8%				ICU Level of Service			D			
Analysis Period (min)			15										
c	Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street

Forecast 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00			1.00	1.00		0.95		1.00	1.00	
Frt	1.00	0.91			1.00	0.85		0.97		1.00	1.00	
Flt Protected	0.95	1.00			0.95	1.00		1.00		0.95	1.00	
Satd. Flow (prot)	1805	1737			1775	1583		3482		1787	1873	
Flt Permitted	0.42	1.00			0.72	1.00		0.94		0.20	1.00	
Satd. Flow (perm)	801	1737			1338	1583		3272		376	1873	
Volume (vph)	8	3	4	177	2	562	7	384	79	904	734	23
Peak-hour factor, PHF	0.54	0.54	0.54	0.97	0.97	0.97	0.90	0.90	0.90	0.92	0.92	0.92
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	16	6	8	195	2	620	8	457	94	1051	854	27
RTOR Reduction (vph)	0	7	0	0	0	514	0	19	0	0	1	0
Lane Group Flow (vph)	16	7	0	0	197	106	0	540	0	1051	880	0
Heavy Vehicles (%)	0%	0%	0%	2%	2%	2%	1%	1%	1%	1%	1%	1%
Turn Type	Perm			Perm		Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases	4			8		8	2			6		
Actuated Green, G (s)	15.2	15.2			15.2	15.2		16.0		66.0	66.0	
Effective Green, g (s)	15.2	15.2			15.2	15.2		16.0		66.0	66.0	
Actuated g/C Ratio	0.17	0.17			0.17	0.17		0.18		0.74	0.74	
Clearance Time (s)	4.0	4.0			4.0	4.0		4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0			3.0	3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)	136	296			228	270		587		1006	1386	
v/s Ratio Prot		0.00								c0.54	0.47	
v/s Ratio Perm	0.02				c0.15	0.07		0.17		c0.23		
v/c Ratio	0.12	0.02			0.86	0.39		0.92		1.04	0.63	
Uniform Delay, d1	31.3	30.8			36.0	32.9		36.0		17.5	5.7	
Progression Factor	1.00	1.00			1.00	1.00		1.00		1.00	1.00	
Incremental Delay, d2	0.4	0.0			27.0	0.9		21.9		40.8	2.2	
Delay (s)	31.7	30.9			63.0	33.8		57.9		58.3	7.9	
Level of Service	C	C			E	C		E		E	A	
Approach Delay (s)		31.3			40.9			57.9			35.3	
Approach LOS		C			D			E			D	
Intersection Summary												
HCM Average Control Delay			40.4				HCM Level of Service			D		
HCM Volume to Capacity ratio			1.00									
Actuated Cycle Length (s)			89.2				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			95.1%				ICU Level of Service			F		
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street






















Conceptual 2014 AM Peak Hour LOS with Improvements

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0	4.0	4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00			1.00	1.00	1.00	0.95		1.00	1.00	
Frt	1.00	1.00			1.00	0.85	1.00	0.99		1.00	1.00	
Flt Protected	0.95	1.00			0.95	1.00	0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1805	1900			1742	1553	1736	3429		1770	1858	
Flt Permitted	0.73	1.00			0.75	1.00	0.58	1.00		0.16	1.00	
Satd. Flow (perm)	1384	1900			1370	1553	1063	3429		306	1858	
Volume (vph)	2	1	0	37	1	600	1	588	51	654	249	4
Peak-hour factor, PHF	0.36	0.36	0.36	0.92	0.92	0.92	0.90	0.90	0.90	0.93	0.93	0.93
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%
Adj. Flow (vph)	6	3	0	43	1	698	1	699	61	752	286	5
RTOR Reduction (vph)	0	0	0	0	0	586	0	8	0	0	1	0
Lane Group Flow (vph)	6	3	0	0	44	112	1	752	0	752	290	0
Heavy Vehicles (%)	0%	0%	0%	4%	4%	4%	4%	4%	4%	2%	2%	2%
Turn Type	Perm			Perm		Perm	Perm			pm+pt		
Protected Phases		4			8			2		1	6	
Permitted Phases	4			8		8	2			6		
Actuated Green, G (s)	11.2	11.2			11.2	11.2	24.8	24.8		60.8	60.8	
Effective Green, g (s)	11.2	11.2			11.2	11.2	24.8	24.8		60.8	60.8	
Actuated g/C Ratio	0.14	0.14			0.14	0.14	0.31	0.31		0.76	0.76	
Clearance Time (s)	4.0	4.0			4.0	4.0	4.0	4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0			3.0	3.0	3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	194	266			192	217	330	1063		818	1412	
v/s Ratio Prot		0.00						0.22		c0.37	0.16	
v/s Ratio Perm	0.00				0.03	c0.07	0.00			c0.33		
v/c Ratio	0.03	0.01			0.23	0.52	0.00	0.71		0.92	0.21	
Uniform Delay, d1	29.7	29.6			30.6	31.9	19.1	24.4		16.7	2.7	
Progression Factor	1.00	1.00			1.00	1.00	1.00	1.00		0.87	0.91	
Incremental Delay, d2	0.1	0.0			0.6	2.1	0.0	4.0		15.1	0.3	
Delay (s)	29.8	29.6			31.2	34.0	19.1	28.4		29.7	2.8	
Level of Service	C	C			C	C	B	C		C	A	
Approach Delay (s)		29.7			33.8			28.4			22.2	
Approach LOS		C			C			C			C	
Intersection Summary												
HCM Average Control Delay			27.4				HCM Level of Service			C		
HCM Volume to Capacity ratio			0.84									
Actuated Cycle Length (s)			80.0				Sum of lost time (s)		8.0			
Intersection Capacity Utilization			76.8%				ICU Level of Service			D		
Analysis Period (min)			15									
c	Critical Lane Group											

HCM Signalized Intersection Capacity Analysis

5: Schoosett Street & Washington Street

Conceptual 2014 PM Peak Hour LOS with Improvements

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	4.0	4.0			4.0	4.0	4.0	4.0		4.0	4.0		
Lane Util. Factor	1.00	1.00			1.00	1.00	1.00	0.95		1.00	1.00		
Frt	1.00	0.91			1.00	0.85	1.00	0.97		1.00	1.00		
Flt Protected	0.95	1.00			0.95	1.00	0.95	1.00		0.95	1.00		
Satd. Flow (prot)	1805	1737			1775	1583	1787	3483		1787	1873		
Flt Permitted	0.42	1.00			0.72	1.00	0.34	1.00		0.20	1.00		
Satd. Flow (perm)	797	1737			1338	1583	634	3483		376	1873		
Volume (vph)	8	3	4	177	2	562	7	384	79	904	734	23	
Peak-hour factor, PHF	0.54	0.54	0.54	0.97	0.97	0.97	0.90	0.90	0.90	0.92	0.92	0.92	
Growth Factor (vph)	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	107%	
Adj. Flow (vph)	16	6	8	195	2	620	8	457	94	1051	854	27	
RTOR Reduction (vph)	0	7	0	0	0	515	0	19	0	0	1	0	
Lane Group Flow (vph)	16	7	0	0	197	105	8	532	0	1051	880	0	
Heavy Vehicles (%)	0%	0%	0%	2%	2%	2%	1%	1%	1%	1%	1%	1%	
Turn Type	Perm			Perm		Perm	Perm			pm+pt			
Protected Phases		4			8			2		1	6		
Permitted Phases	4			8		8	2			6			
Actuated Green, G (s)	15.3	15.3			15.3	15.3	16.0	16.0		66.7	66.7		
Effective Green, g (s)	15.3	15.3			15.3	15.3	16.0	16.0		66.7	66.7		
Actuated g/C Ratio	0.17	0.17			0.17	0.17	0.18	0.18		0.74	0.74		
Clearance Time (s)	4.0	4.0			4.0	4.0	4.0	4.0		4.0	4.0		
Vehicle Extension (s)	3.0	3.0			3.0	3.0	3.0	3.0		3.0	3.0		
Lane Grp Cap (vph)	135	295			227	269	113	619		1011	1388		
v/s Ratio Prot		0.00						0.15		c0.54	0.47		
v/s Ratio Perm	0.02				c0.15	0.07	0.01			c0.23			
v/c Ratio	0.12	0.02			0.87	0.39	0.07	0.86		1.04	0.63		
Uniform Delay, d1	31.6	31.1			36.4	33.2	30.8	35.9		17.6	5.7		
Progression Factor	1.00	1.00			1.00	1.00	1.00	1.00		0.91	0.82		
Incremental Delay, d2	0.4	0.0			27.6	0.9	1.2	14.5		38.5	2.1		
Delay (s)	32.0	31.2			64.0	34.2	32.0	50.4		54.5	6.8		
Level of Service	C	C			E	C	C	D		D	A		
Approach Delay (s)		31.6			41.3			50.1			32.8		
Approach LOS		C			D			D			C		
Intersection Summary													
HCM Average Control Delay			37.8									HCM Level of Service	D
HCM Volume to Capacity ratio			0.99										
Actuated Cycle Length (s)			90.0									Sum of lost time (s)	8.0
Intersection Capacity Utilization			94.9%									ICU Level of Service	F
Analysis Period (min)			15										
c	Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-08

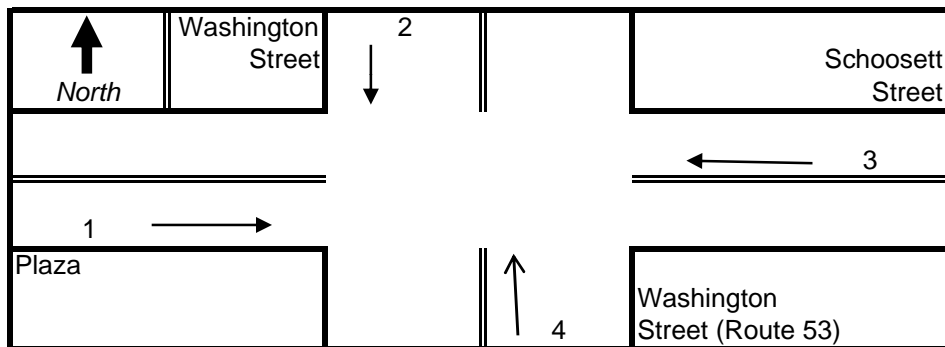
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Washington Street (Route 53 / 139)

MINOR STREET(S) : Schoosett Street (Route 139)

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	15	1,661	741	470		2,887

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____



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

Community: Pembroke
 Weather: Showers
 Board #: TDC-8 (1)
 Staff: BH

File Name : 231_Schooset(139)&Water_AM
 Site Code : 231
 Start Date : 6/24/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

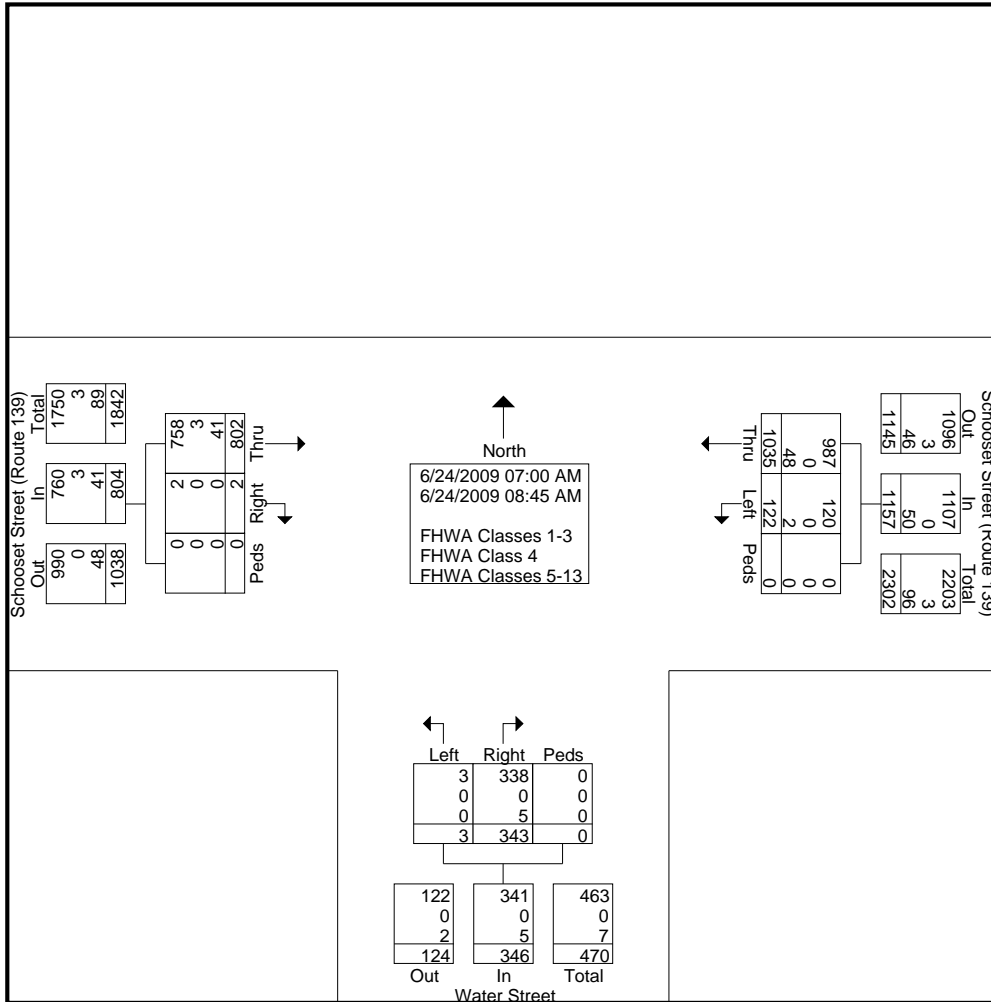
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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	12	93	0	105	0	35	0	35	61	0	0	61	201
07:15 AM	12	106	0	118	0	40	0	40	72	0	0	72	230
07:30 AM	11	141	0	152	0	53	0	53	98	0	0	98	303
07:45 AM	13	138	0	151	0	41	0	41	112	1	0	113	305
Total	48	478	0	526	0	169	0	169	343	1	0	344	1039
08:00 AM	17	111	0	128	2	38	0	40	96	0	0	96	264
08:15 AM	20	133	0	153	0	54	0	54	120	0	0	120	327
08:30 AM	14	175	0	189	0	38	0	38	114	0	0	114	341
08:45 AM	23	138	0	161	1	44	0	45	129	1	0	130	336
Total	74	557	0	631	3	174	0	177	459	1	0	460	1268
Grand Total	122	1035	0	1157	3	343	0	346	802	2	0	804	2307
Apprch %	10.5	89.5	0		0.9	99.1	0		99.8	0.2	0		
Total %	5.3	44.9	0	50.2	0.1	14.9	0	15	34.8	0.1	0	34.9	
FHWA Classes 1-3	120	987	0	1107	3	338	0	341	758	2	0	760	2208
% FHWA Classes 1-3	98.4	95.4	0	95.7	100	98.5	0	98.6	94.5	100	0	94.5	95.7
FHWA Class 4	0	0	0	0	0	0	0	0	3	0	0	3	3
% FHWA Class 4	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0.1
FHWA Classes 5-13	2	48	0	50	0	5	0	5	41	0	0	41	96
% FHWA Classes 5-13	1.6	4.6	0	4.3	0	1.5	0	1.4	5.1	0	0	5.1	4.2



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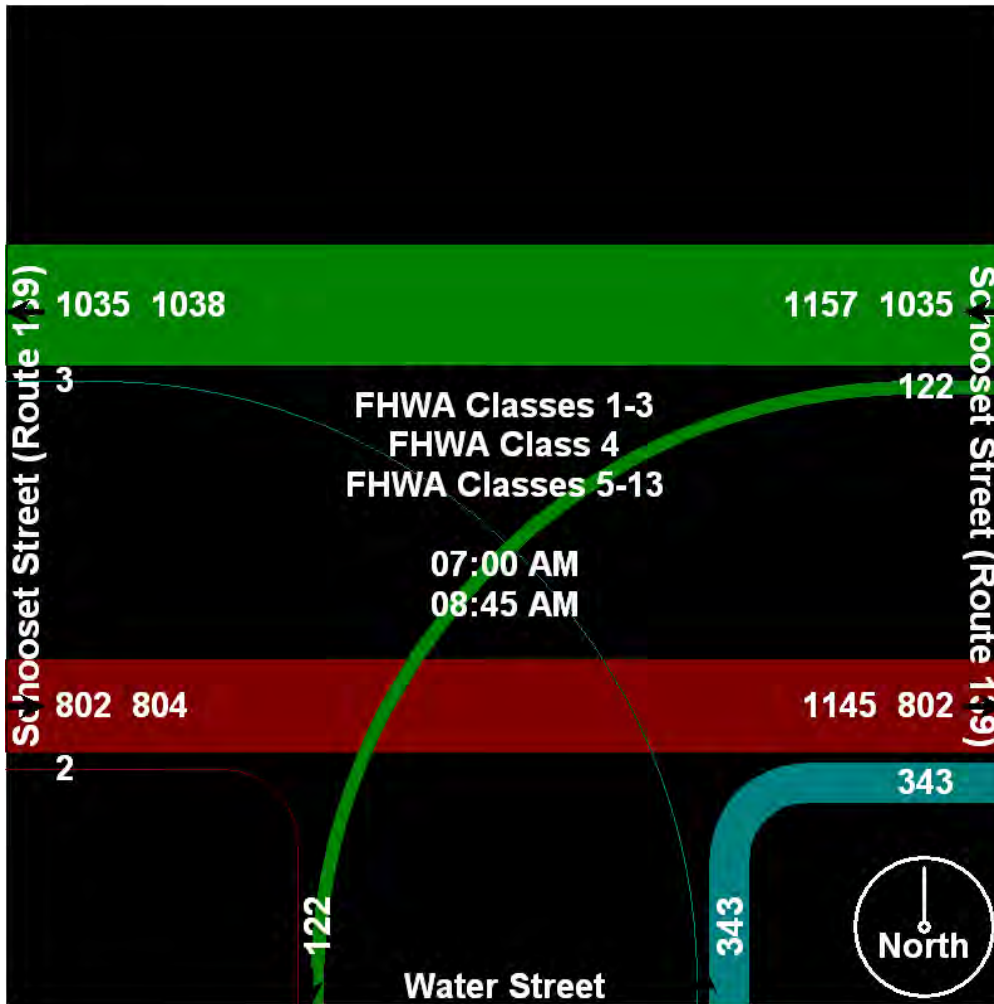




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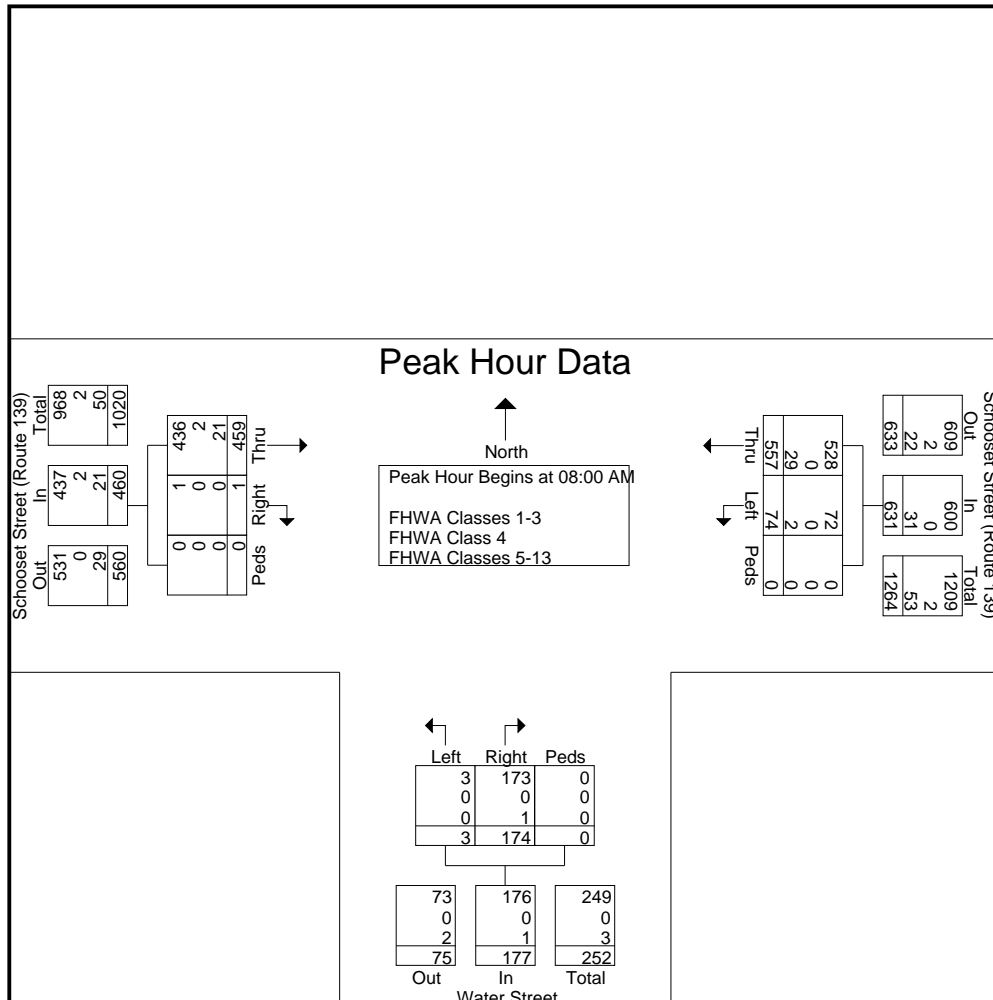


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Start Time	Schooset Street (Route 139) Westbound				Water Street Northbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 08:00 AM													
08:00 AM	17	111	0	128	2	38	0	40	96	0	0	96	264
08:15 AM	20	133	0	153	0	54	0	54	120	0	0	120	327
08:30 AM	14	175	0	189	0	38	0	38	114	0	0	114	341
08:45 AM	23	138	0	161	1	44	0	45	129	1	0	130	336
Total Volume	74	557	0	631	3	174	0	177	459	1	0	460	1268
% App. Total	11.7	88.3	0		1.7	98.3	0		99.8	0.2	0		
PHF	.804	.796	.000	.835	.375	.806	.000	.819	.890	.250	.000	.885	.930
FHWA Classes 1-3	72	528	0	600	3	173	0	176	436	1	0	437	1213
% FHWA Classes 1-3	97.3	94.8	0	95.1	100	99.4	0	99.4	95.0	100	0	95.0	95.7
FHWA Class 4	0	0	0	0	0	0	0	0	2	0	0	2	2
% FHWA Class 4	0	0	0	0	0	0	0	0	0.4	0	0	0.4	0.2
FHWA Classes 5-13	2	29	0	31	0	1	0	1	21	0	0	21	53
% FHWA Classes 5-13	2.7	5.2	0	4.9	0	0.6	0	0.6	4.6	0	0	4.6	4.2

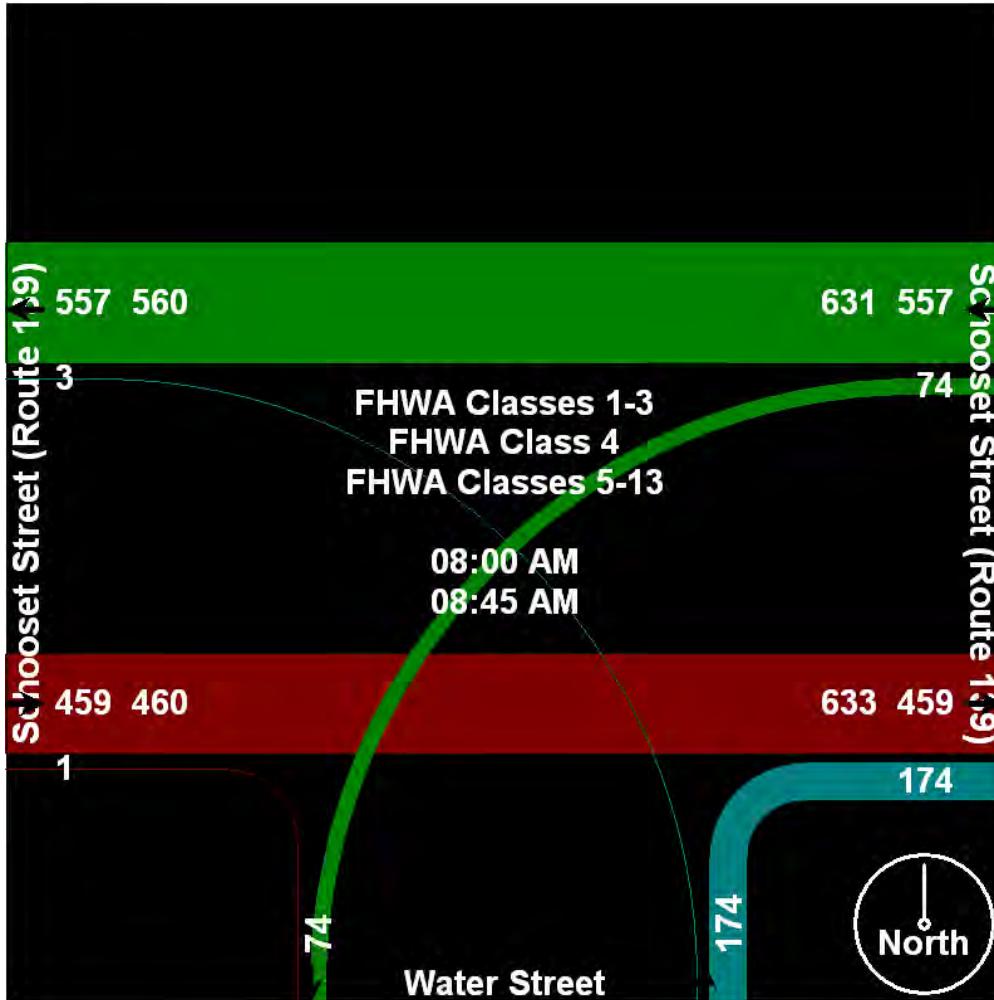




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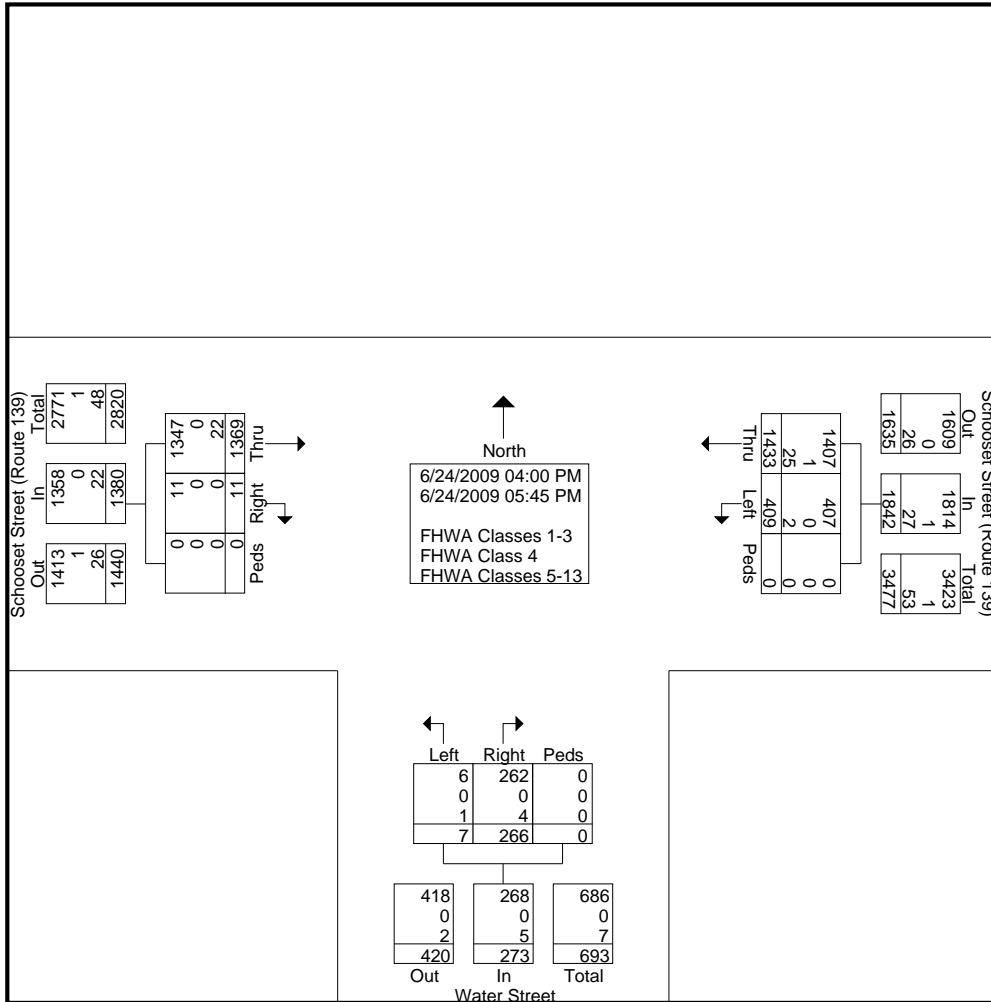
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	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	69	178	0	247	2	36	0	38	154	3	0	157	442
04:15 PM	38	164	0	202	0	30	0	30	140	1	0	141	373
04:30 PM	50	178	0	228	1	25	0	26	144	1	0	145	399
04:45 PM	45	191	0	236	0	36	0	36	168	1	0	169	441
Total	202	711	0	913	3	127	0	130	606	6	0	612	1655
05:00 PM	58	220	0	278	0	33	0	33	213	1	0	214	525
05:15 PM	58	177	0	235	3	27	0	30	191	2	0	193	458
05:30 PM	47	178	0	225	0	35	0	35	189	0	0	189	449
05:45 PM	44	147	0	191	1	44	0	45	170	2	0	172	408
Total	207	722	0	929	4	139	0	143	763	5	0	768	1840
Grand Total	409	1433	0	1842	7	266	0	273	1369	11	0	1380	3495
Apprch %	22.2	77.8	0		2.6	97.4	0		99.2	0.8	0		
Total %	11.7	41	0	52.7	0.2	7.6	0	7.8	39.2	0.3	0	39.5	
FHWA Classes 1-3	407	1407	0	1814	6	262	0	268	1347	11	0	1358	3440
% FHWA Classes 1-3	99.5	98.2	0	98.5	85.7	98.5	0	98.2	98.4	100	0	98.4	98.4
FHWA Class 4	0	1	0	1	0	0	0	0	0	0	0	0	1
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0	0	0	0	0
FHWA Classes 5-13	2	25	0	27	1	4	0	5	22	0	0	22	54
% FHWA Classes 5-13	0.5	1.7	0	1.5	14.3	1.5	0	1.8	1.6	0	0	1.6	1.5



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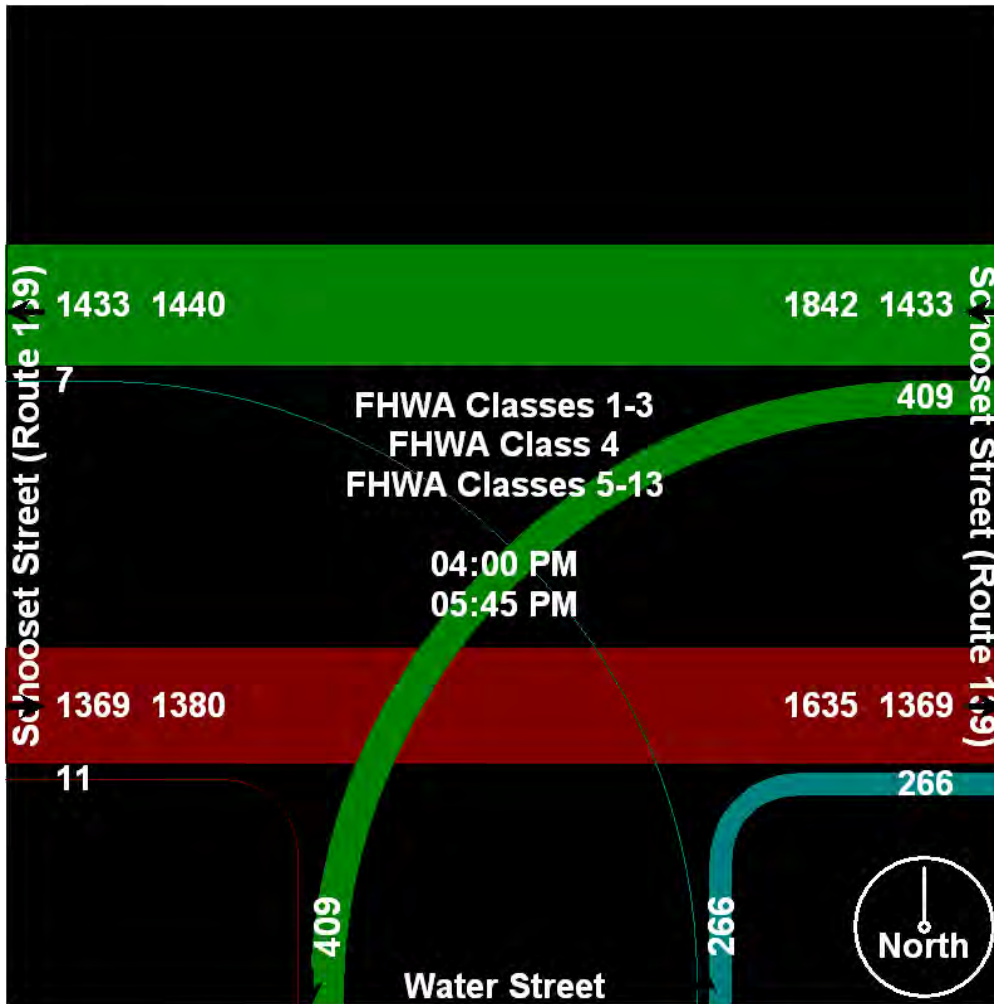




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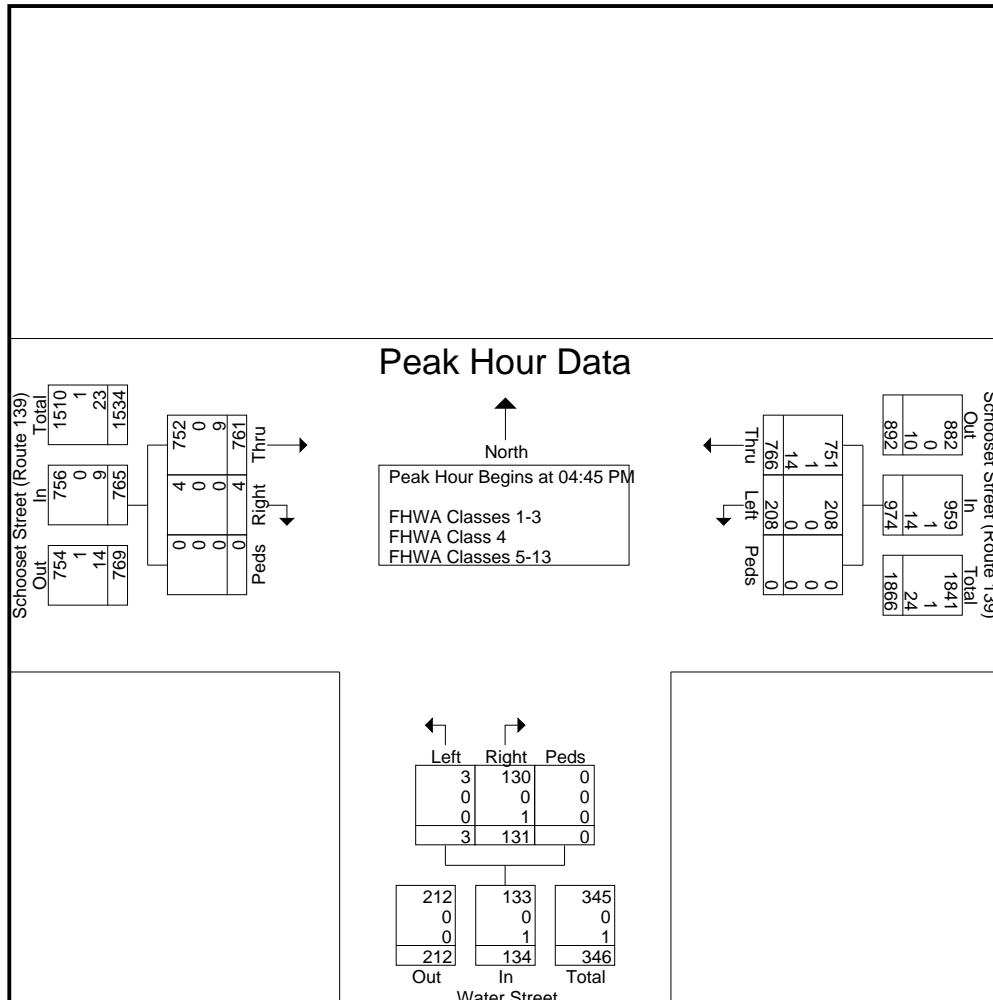


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Start Time	Schooset Street (Route 139) Westbound				Water Street Northbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	45	191	0	236	0	36	0	36	168	1	0	169	441
05:00 PM	58	220	0	278	0	33	0	33	213	1	0	214	525
05:15 PM	58	177	0	235	3	27	0	30	191	2	0	193	458
05:30 PM	47	178	0	225	0	35	0	35	189	0	0	189	449
Total Volume	208	766	0	974	3	131	0	134	761	4	0	765	1873
% App. Total	21.4	78.6	0		2.2	97.8	0		99.5	0.5	0		
PHF	.897	.870	.000	.876	.250	.910	.000	.931	.893	.500	.000	.894	.892
FHWA Classes 1-3	208	751	0	959	3	130	0	133	752	4	0	756	1848
% FHWA Classes 1-3	100	98.0	0	98.5	100	99.2	0	99.3	98.8	100	0	98.8	98.7
FHWA Class 4	0	1	0	1	0	0	0	0	0	0	0	0	1
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0	0	0	0	0.1
FHWA Classes 5-13	0	14	0	14	0	1	0	1	9	0	0	9	24
% FHWA Classes 5-13	0	1.8	0	1.4	0	0.8	0	0.7	1.2	0	0	1.2	1.3

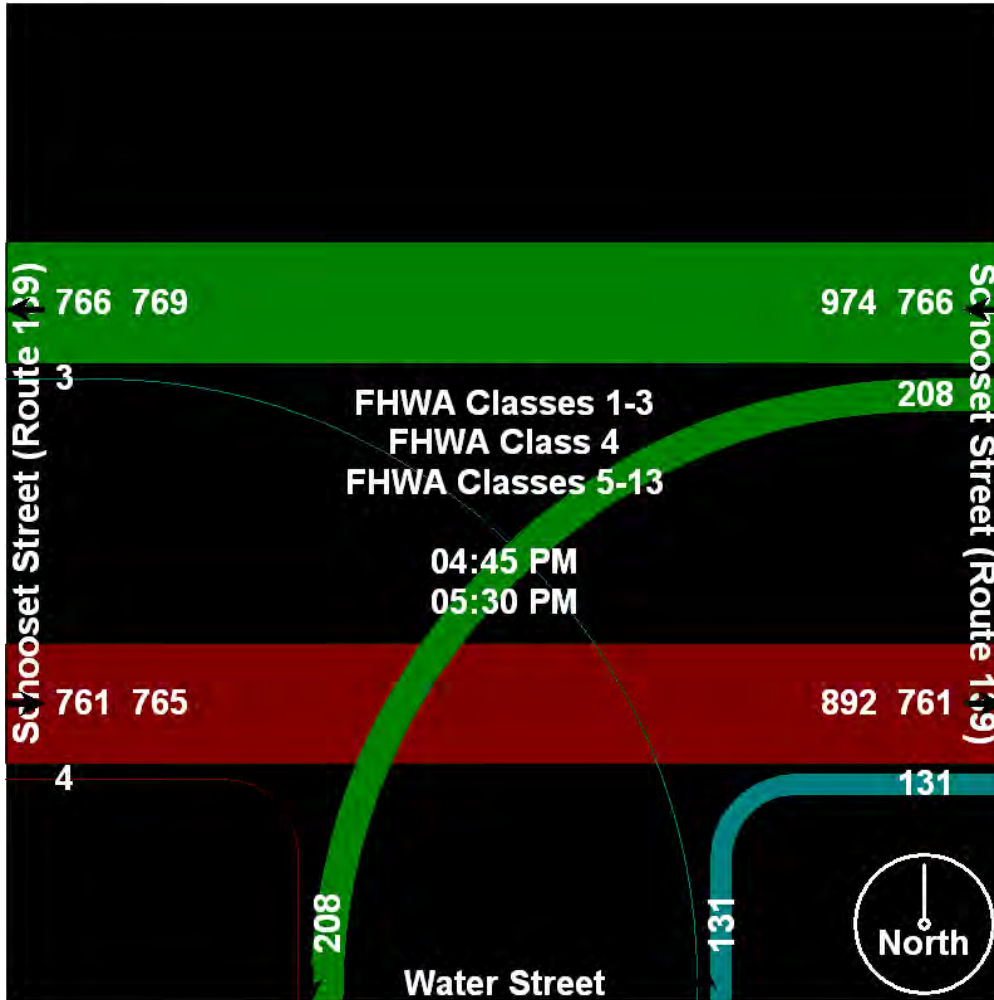




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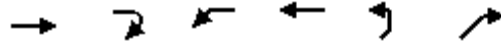
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HCM Unsignalized Intersection Capacity Analysis
 3: Schoosett Street (Route 139) & Water Street

2009 AM Peak Hour LOS



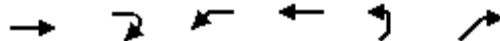
Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↻			↻	↻	↻
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	459	1	74	557	3	174
Peak Hour Factor	0.89	0.89	0.84	0.84	0.82	0.82
Hourly flow rate (vph)	516	1	88	663	4	212
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			517		1356	516
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			517		1356	516
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			91		98	62
cM capacity (veh/h)			1034		151	561

Direction, Lane #	EB 1	WB 1	NE 1
Volume Total	517	751	216
Volume Left	0	88	4
Volume Right	1	0	212
cSH	1700	1034	536
Volume to Capacity	0.30	0.09	0.40
Queue Length 95th (ft)	0	7	48
Control Delay (s)	0.0	2.1	16.2
Lane LOS		A	C
Approach Delay (s)	0.0	2.1	16.2
Approach LOS			C

Intersection Summary			
Average Delay		3.4	
Intersection Capacity Utilization	78.6%		ICU Level of Service D
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Schoosett Street (Route 139) & Water Street

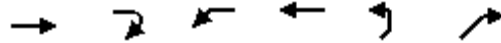
2009 PM Peak Hour LOS



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↶			↷	↶	↷
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	761	4	208	766	3	131
Peak Hour Factor	0.89	0.89	0.97	0.97	0.93	0.93
Hourly flow rate (vph)	855	4	214	790	3	141
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			860		2076	857
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			860		2076	857
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			73		93	61
cM capacity (veh/h)			782		43	358
Direction, Lane #	EB 1	WB 1	NE 1			
Volume Total	860	1004	144			
Volume Left	0	214	3			
Volume Right	4	0	141			
cSH	1700	782	308			
Volume to Capacity	0.51	0.27	0.47			
Queue Length 95th (ft)	0	28	59			
Control Delay (s)	0.0	7.0	26.6			
Lane LOS		A	D			
Approach Delay (s)	0.0	7.0	26.6			
Approach LOS			D			
Intersection Summary						
Average Delay			5.4			
Intersection Capacity Utilization		110.4%		ICU Level of Service		H
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 3: Schoosett Street (Route 139) & Water Street

Projected 2014 AM Peak Hour LOS



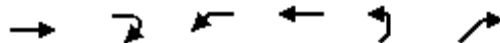
Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↻			↻	↻	↻
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	459	1	74	557	3	174
Peak Hour Factor	0.89	0.89	0.84	0.84	0.82	0.82
Hourly flow rate (vph)	542	1	92	696	4	223
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			543		1423	542
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			543		1423	542
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			91		97	59
cM capacity (veh/h)			1011		137	542

Direction, Lane #	EB 1	WB 1	NE 1
Volume Total	543	789	227
Volume Left	0	92	4
Volume Right	1	0	223
cSH	1700	1011	516
Volume to Capacity	0.32	0.09	0.44
Queue Length 95th (ft)	0	8	55
Control Delay (s)	0.0	2.3	17.3
Lane LOS		A	C
Approach Delay (s)	0.0	2.3	17.3
Approach LOS			C

Intersection Summary			
Average Delay		3.7	
Intersection Capacity Utilization	82.0%	ICU Level of Service	D
Analysis Period (min)		15	

HCM Unsignalized Intersection Capacity Analysis
 3: Schoosett Street (Route 139) & Water Street

Projected 2014 PM Peak Hour LOS



Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↷			↶	↷	↶
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Volume (veh/h)	761	4	208	766	3	131
Peak Hour Factor	0.89	0.89	0.97	0.97	0.93	0.93
Hourly flow rate (vph)	898	5	225	829	3	148
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			903		2180	900
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			903		2180	900
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			70		91	56
cM capacity (veh/h)			753		36	339
Direction, Lane #	EB 1	WB 1	NE 1			
Volume Total	903	1054	151			
Volume Left	0	225	3			
Volume Right	5	0	148			
cSH	1700	753	285			
Volume to Capacity	0.53	0.30	0.53			
Queue Length 95th (ft)	0	31	72			
Control Delay (s)	0.0	7.9	31.1			
Lane LOS		A	D			
Approach Delay (s)	0.0	7.9	31.1			
Approach LOS			D			
Intersection Summary						
Average Delay			6.2			
Intersection Capacity Utilization		115.4%		ICU Level of Service		H
Analysis Period (min)			15			

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Jun-09

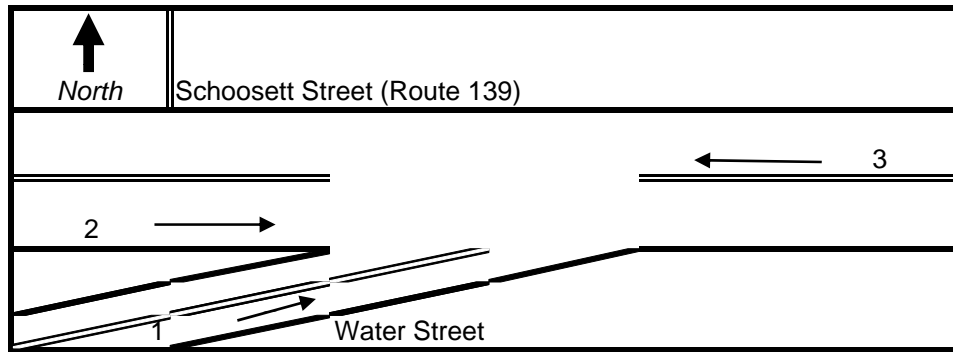
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Schoosett Street (Route 139)

MINOR STREET(S) : Water Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	NEB	EB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	134	765	974			1,873

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

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

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

Comments : _____

Project Title & Date: _____



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

Community: Pembroke
 Weather: Rain
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Water_AM
 Site Code : 231
 Start Date : 7/1/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

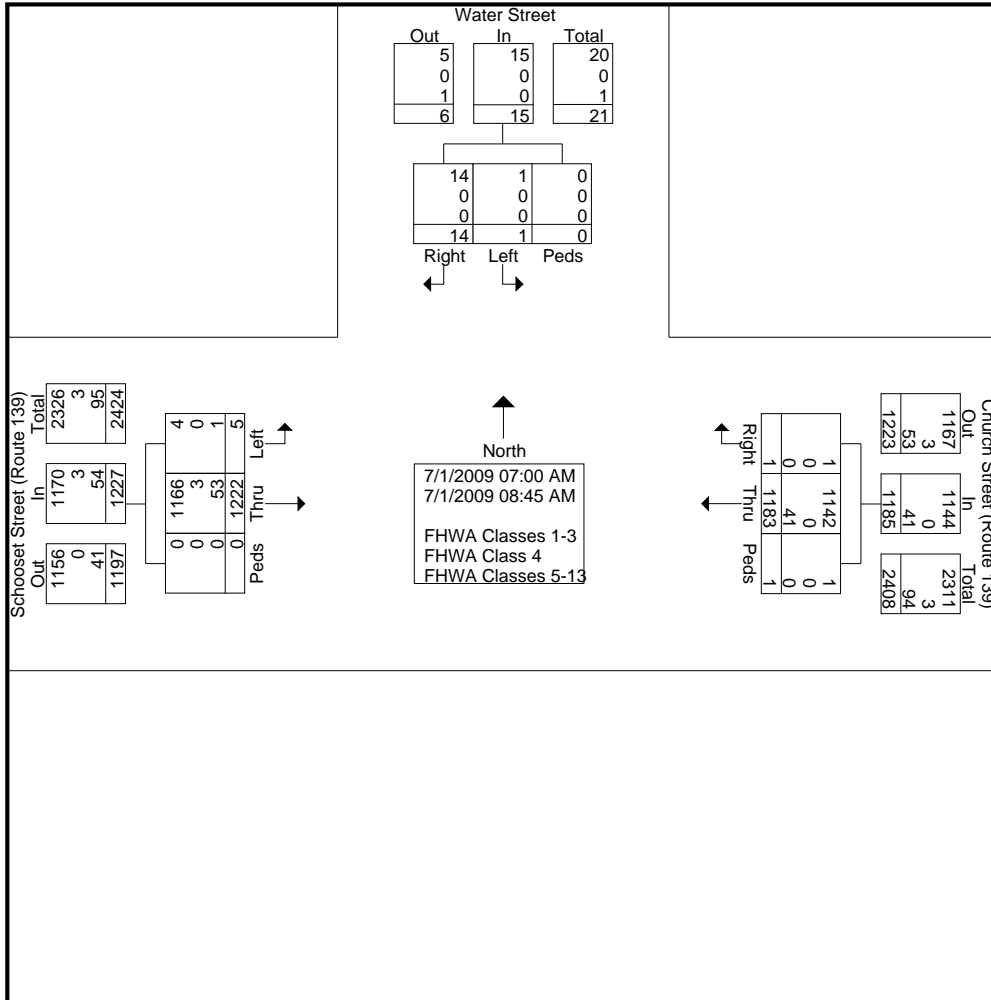
Start Time Factor	Water Street Southbound				Church Street (Route 139) Westbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
07:00 AM	0	1	0	1	113	1	0	114	0	122	0	122	237
07:15 AM	0	0	0	0	123	0	0	123	0	144	0	144	267
07:30 AM	0	1	0	1	135	0	0	135	0	116	0	116	252
07:45 AM	1	2	0	3	164	0	0	164	1	162	0	163	330
Total	1	4	0	5	535	1	0	536	1	544	0	545	1086
08:00 AM	0	4	0	4	162	0	0	162	1	152	0	153	319
08:15 AM	0	3	0	3	152	0	1	153	1	180	0	181	337
08:30 AM	0	1	0	1	178	0	0	178	2	165	0	167	346
08:45 AM	0	2	0	2	156	0	0	156	0	181	0	181	339
Total	0	10	0	10	648	0	1	649	4	678	0	682	1341
Grand Total	1	14	0	15	1183	1	1	1185	5	1222	0	1227	2427
Apprch %	6.7	93.3	0		99.8	0.1	0.1		0.4	99.6	0		
Total %	0	0.6	0	0.6	48.7	0	0	48.8	0.2	50.4	0	50.6	
FHWA Classes 1-3	1	14	0	15	1142	1	1	1144	4	1166	0	1170	2329
% FHWA Classes 1-3	100	100	0	100	96.5	100	100	96.5	80	95.4	0	95.4	96
FHWA Class 4	0	0	0	0	0	0	0	0	0	3	0	3	3
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0.2	0	0.2	0.1
FHWA Classes 5-13	0	0	0	0	41	0	0	41	1	53	0	54	95
% FHWA Classes 5-13	0	0	0	0	3.5	0	0	3.5	20	4.3	0	4.4	3.9



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 Staff: BH

File Name : 231_Church(139)&Water_AM
 Site Code : 231
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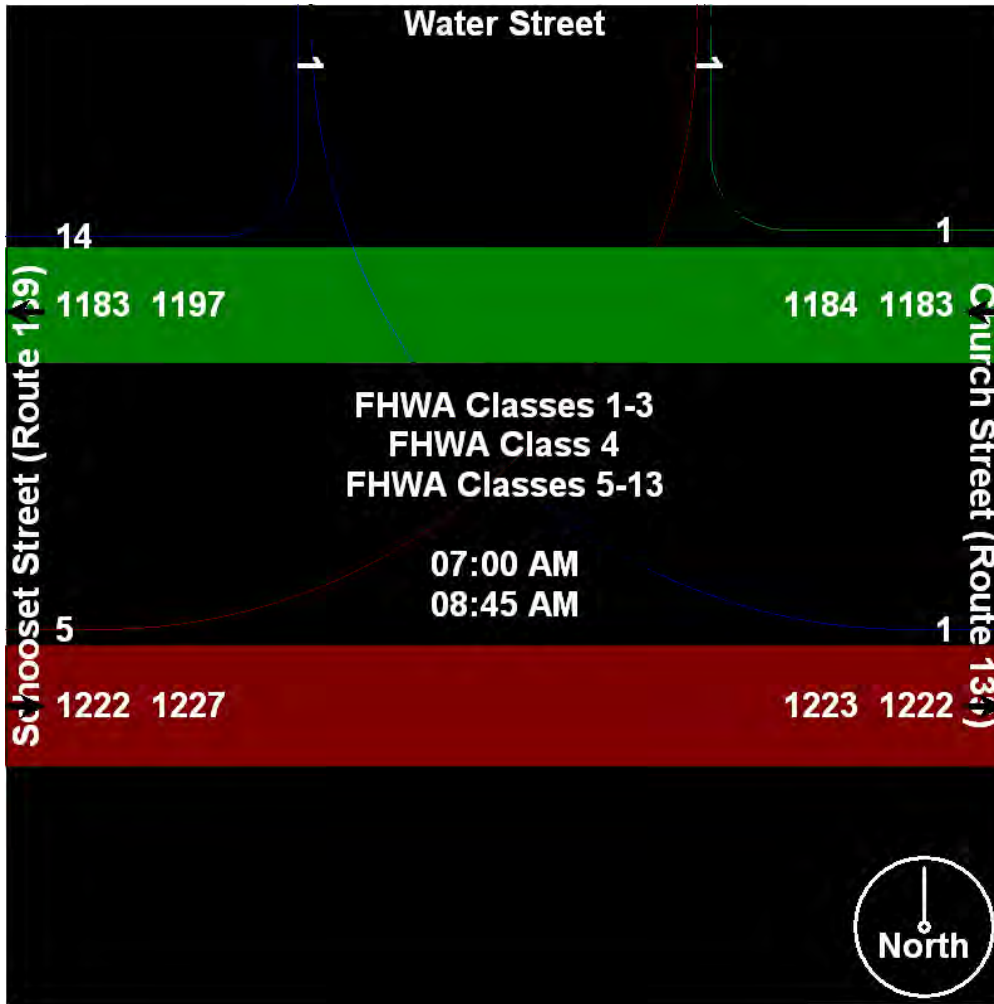




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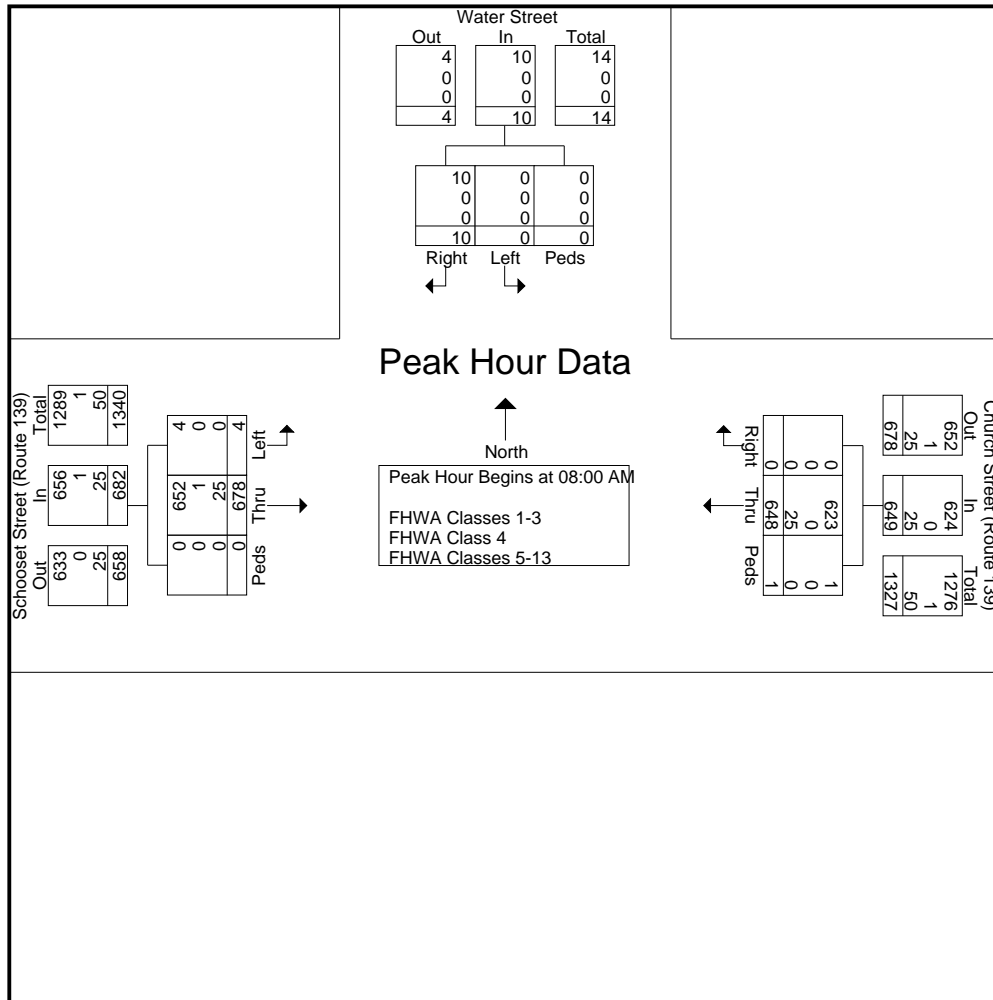


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 Page No : 4

Start Time	Water Street Southbound				Church Street (Route 139) Westbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	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 08:00 AM													
08:00 AM	0	4	0	4	162	0	0	162	1	152	0	153	319
08:15 AM	0	3	0	3	152	0	1	153	1	180	0	181	337
08:30 AM	0	1	0	1	178	0	0	178	2	165	0	167	346
08:45 AM	0	2	0	2	156	0	0	156	0	181	0	181	339
Total Volume	0	10	0	10	648	0	1	649	4	678	0	682	1341
% App. Total	0	100	0		99.8	0	0.2		0.6	99.4	0		
PHF	.000	.625	.000	.625	.910	.000	.250	.912	.500	.936	.000	.942	.969
FHWA Classes 1-3	0	10	0	10	623	0	1	624	4	652	0	656	1290
% FHWA Classes 1-3	0	100	0	100	96.1	0	100	96.1	100	96.2	0	96.2	96.2
FHWA Class 4	0	0	0	0	0	0	0	0	0	1	0	1	1
% FHWA Class 4	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0.1
FHWA Classes 5-13	0	0	0	0	25	0	0	25	0	25	0	25	50
% FHWA Classes 5-13	0	0	0	0	3.9	0	0	3.9	0	3.7	0	3.7	3.7

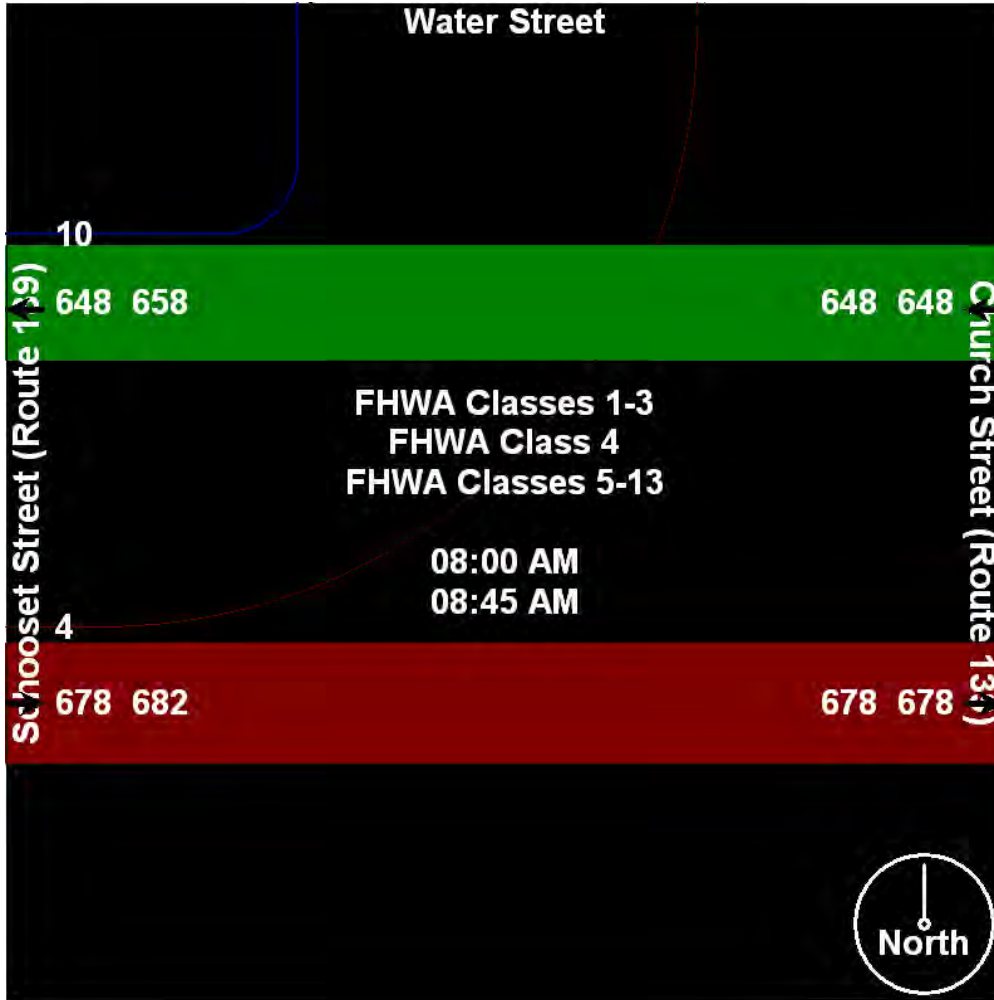




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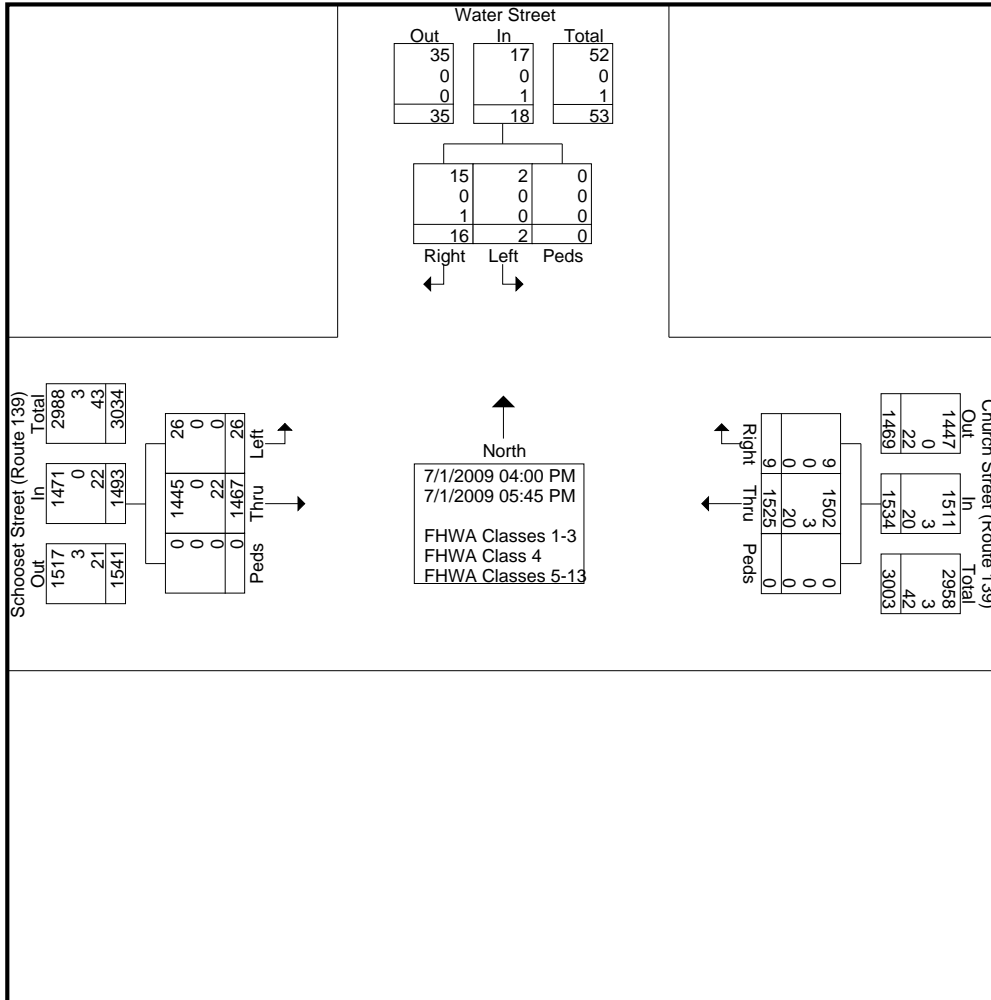
Start Time	Water Street Southbound				Church Street (Route 139) Westbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	0	5	0	5	173	2	0	175	5	148	0	153	333
04:15 PM	1	2	0	3	98	3	0	101	6	135	0	141	245
04:30 PM	0	1	0	1	217	0	0	217	3	155	0	158	376
04:45 PM	0	1	0	1	176	1	0	177	1	177	0	178	356
Total	1	9	0	10	664	6	0	670	15	615	0	630	1310
05:00 PM	0	1	0	1	247	0	0	247	7	211	0	218	466
05:15 PM	0	2	0	2	208	0	0	208	0	214	0	214	424
05:30 PM	0	2	0	2	212	2	0	214	2	222	0	224	440
05:45 PM	1	2	0	3	194	1	0	195	2	205	0	207	405
Total	1	7	0	8	861	3	0	864	11	852	0	863	1735
Grand Total	2	16	0	18	1525	9	0	1534	26	1467	0	1493	3045
Apprch %	11.1	88.9	0		99.4	0.6	0		1.7	98.3	0		
Total %	0.1	0.5	0	0.6	50.1	0.3	0	50.4	0.9	48.2	0	49	
FHWA Classes 1-3	2	15	0	17	1502	9	0	1511	26	1445	0	1471	2999
% FHWA Classes 1-3	100	93.8	0	94.4	98.5	100	0	98.5	100	98.5	0	98.5	98.5
FHWA Class 4	0	0	0	0	3	0	0	3	0	0	0	0	3
% FHWA Class 4	0	0	0	0	0.2	0	0	0.2	0	0	0	0	0.1
FHWA Classes 5-13	0	1	0	1	20	0	0	20	0	22	0	22	43
% FHWA Classes 5-13	0	6.2	0	5.6	1.3	0	0	1.3	0	1.5	0	1.5	1.4



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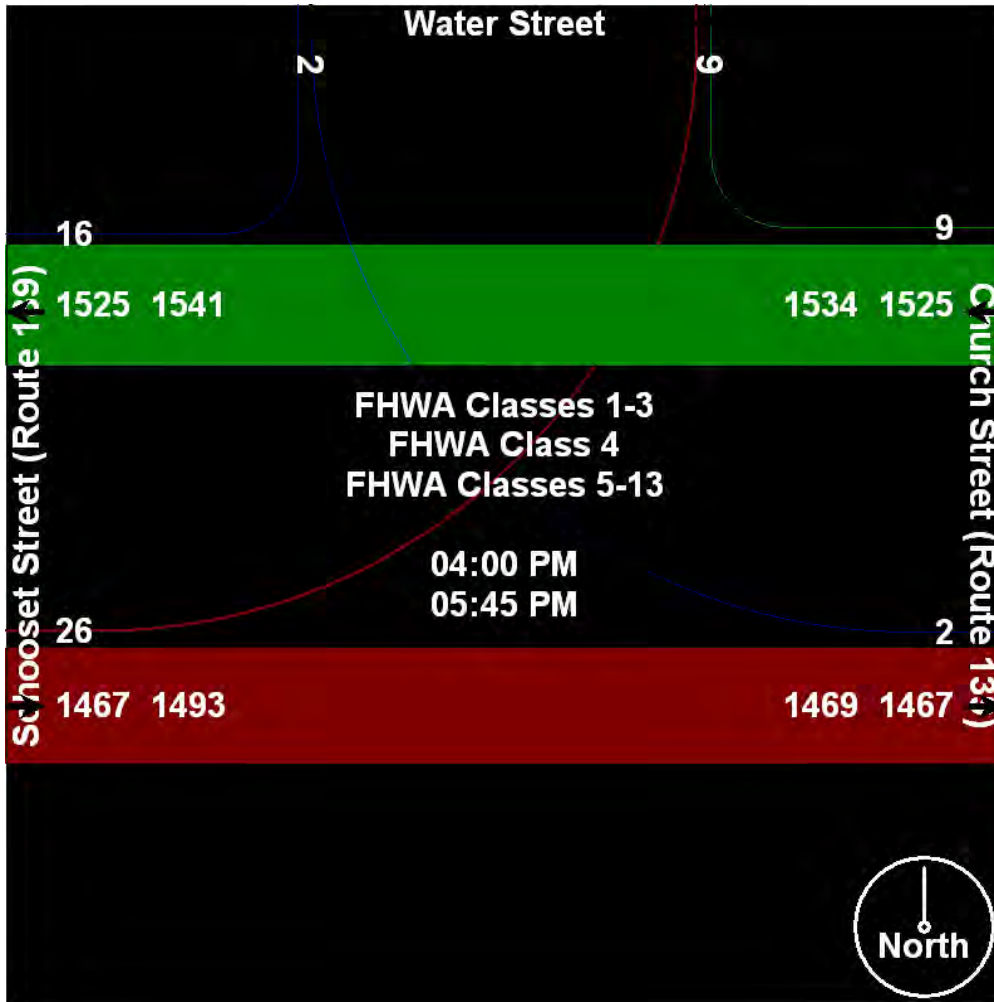




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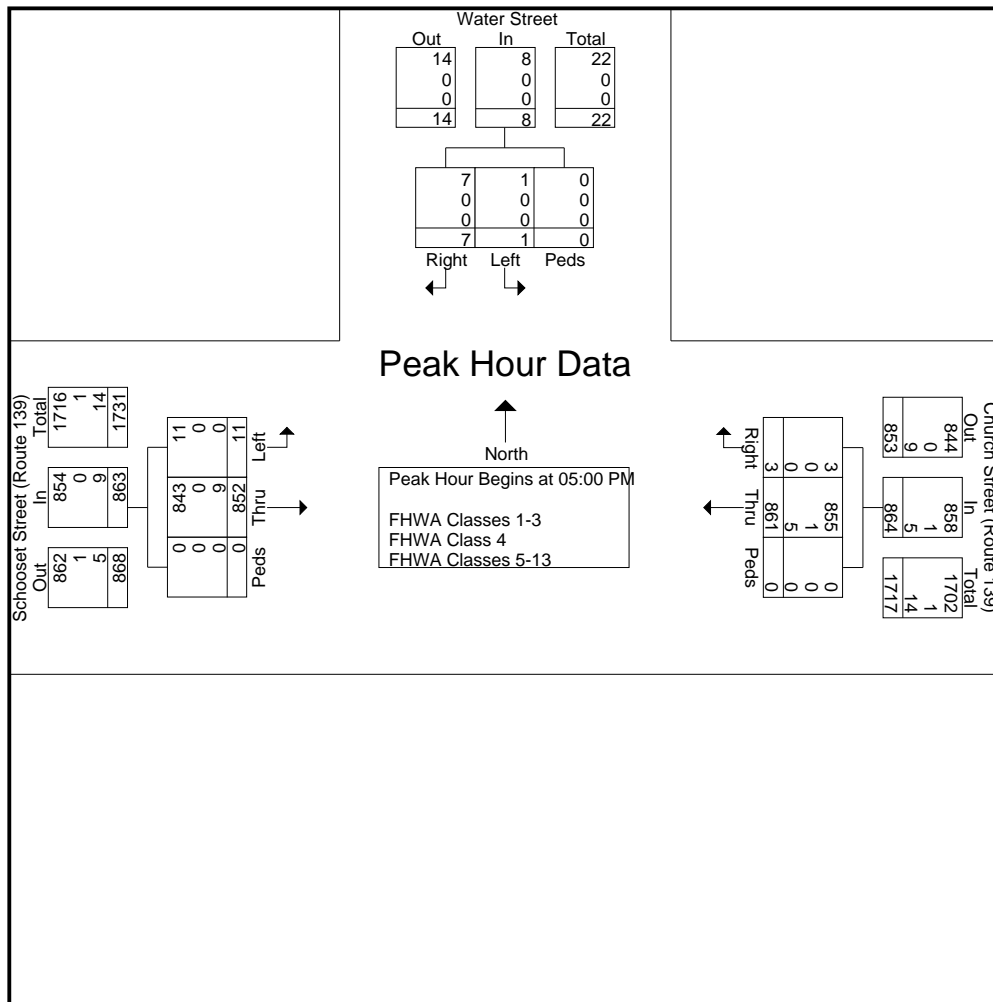


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Start Time	Water Street Southbound				Church Street (Route 139) Westbound				Schooset Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 05:00 PM													
05:00 PM	0	1	0	1	247	0	0	247	7	211	0	218	466
05:15 PM	0	2	0	2	208	0	0	208	0	214	0	214	424
05:30 PM	0	2	0	2	212	2	0	214	2	222	0	224	440
05:45 PM	1	2	0	3	194	1	0	195	2	205	0	207	405
Total Volume	1	7	0	8	861	3	0	864	11	852	0	863	1735
% App. Total	12.5	87.5	0		99.7	0.3	0		1.3	98.7	0		
PHF	.250	.875	.000	.667	.871	.375	.000	.874	.393	.959	.000	.963	.931
FHWA Classes 1-3	1	7	0	8	855	3	0	858	11	843	0	854	1720
% FHWA Classes 1-3	100	100	0	100	99.3	100	0	99.3	100	98.9	0	99.0	99.1
FHWA Class 4	0	0	0	0	1	0	0	1	0	0	0	0	1
% FHWA Class 4	0	0	0	0	0.1	0	0	0.1	0	0	0	0	0.1
FHWA Classes 5-13	0	0	0	0	5	0	0	5	0	9	0	9	14
% FHWA Classes 5-13	0	0	0	0	0.6	0	0	0.6	0	1.1	0	1.0	0.8

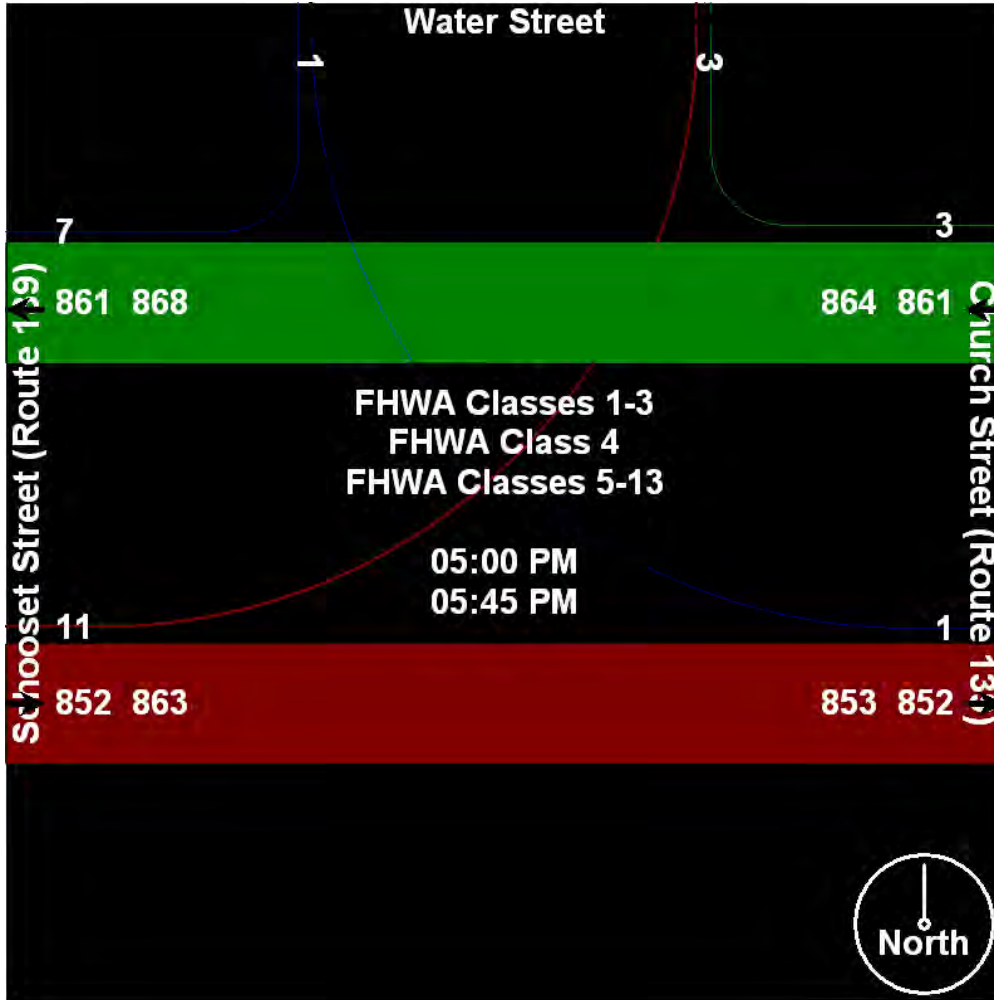




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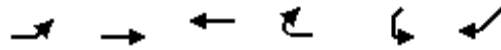
Community: Pembroke
 Weather: Rain
 Board #: DB-400 (3)
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File Name : 231_Church(139)&Water_PM
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HCM Unsignalized Intersection Capacity Analysis
 5: Church Street (Route 139) & Water Street

2009 AM Peak Hour LOS



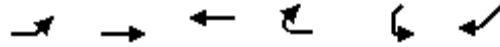
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations		↔	↔		↔	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	4	678	648	0	0	10
Peak Hour Factor	0.94	0.94	0.91	0.91	0.63	0.63
Hourly flow rate (vph)	4	721	712	0	0	16
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type					None	
Median storage (veh)						
Upstream signal (ft)		521				
pX, platoon unblocked						
vC, conflicting volume	712				1442	712
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	712				1442	712
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	100				100	96
cM capacity (veh/h)	878				147	436

Direction, Lane #	EB 1	WB 1	SW 1
Volume Total	726	712	16
Volume Left	4	0	0
Volume Right	0	0	16
cSH	878	1700	436
Volume to Capacity	0.00	0.42	0.04
Queue Length 95th (ft)	0	0	3
Control Delay (s)	0.1	0.0	13.6
Lane LOS	A		B
Approach Delay (s)	0.1	0.0	13.6
Approach LOS			B

Intersection Summary			
Average Delay		0.2	
Intersection Capacity Utilization	48.9%	ICU Level of Service	A
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 5: Church Street (Route 139) & Water Street

2009 PM Peak Hour LOS



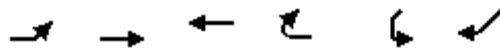
Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations		↕	↗		↙	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	11	852	861	3	1	7
Peak Hour Factor	0.96	0.96	0.87	0.87	0.67	0.67
Hourly flow rate (vph)	11	888	990	3	1	10
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	993			1902	991	
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	993			1902	991	
tC, single (s)	4.1			6.4	6.2	
tC, 2 stage (s)						
tF (s)	2.2			3.5	3.3	
p0 queue free %	98			98	97	
cM capacity (veh/h)	700			76	301	

Direction, Lane #	EB 1	WB 1	SW 1
Volume Total	899	993	12
Volume Left	11	0	1
Volume Right	0	3	10
cSH	700	1700	219
Volume to Capacity	0.02	0.58	0.05
Queue Length 95th (ft)	1	0	4
Control Delay (s)	0.5	0.0	22.4
Lane LOS	A		C
Approach Delay (s)	0.5	0.0	22.4
Approach LOS			C

Intersection Summary			
Average Delay		0.4	
Intersection Capacity Utilization	63.6%	ICU Level of Service	B
Analysis Period (min)	15		

HCM Unsignalized Intersection Capacity Analysis
 5: Church Street (Route 139) & Water Street

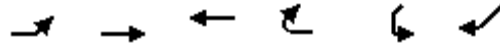
Projected 2014 AM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations		↕	↗		↙	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	4	678	648	0	0	10
Peak Hour Factor	0.94	0.94	0.91	0.91	0.63	0.63
Hourly flow rate (vph)	4	757	748	0	0	17
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	748				1514	748
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	748				1514	748
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	99				100	96
cM capacity (veh/h)	852				132	416
Direction, Lane #	EB 1	WB 1	SW 1			
Volume Total	762	748	17			
Volume Left	4	0	0			
Volume Right	0	0	17			
cSH	852	1700	416			
Volume to Capacity	0.01	0.44	0.04			
Queue Length 95th (ft)	0	0	3			
Control Delay (s)	0.1	0.0	14.0			
Lane LOS	A		B			
Approach Delay (s)	0.1	0.0	14.0			
Approach LOS			B			
Intersection Summary						
Average Delay			0.2			
Intersection Capacity Utilization		50.8%		ICU Level of Service		A
Analysis Period (min)			15			

HCM Unsignalized Intersection Capacity Analysis
 5: Church Street (Route 139) & Water Street

Projected 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations		↔	↔		↔	
Sign Control		Free	Free		Stop	
Grade		0%	0%		0%	
Volume (veh/h)	11	852	861	3	1	7
Peak Hour Factor	0.96	0.96	0.87	0.87	0.67	0.67
Hourly flow rate (vph)	12	932	1039	4	2	11
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type				None		
Median storage (veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume	1043				1997	1041
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol	1043				1997	1041
tC, single (s)	4.1				6.4	6.2
tC, 2 stage (s)						
tF (s)	2.2				3.5	3.3
p0 queue free %	98				98	96
cM capacity (veh/h)	671				66	282

Direction, Lane #	EB 1	WB 1	SW 1
Volume Total	944	1043	13
Volume Left	12	0	2
Volume Right	0	4	11
cSH	671	1700	200
Volume to Capacity	0.02	0.61	0.06
Queue Length 95th (ft)	1	0	5
Control Delay (s)	0.5	0.0	24.2
Lane LOS	A		C
Approach Delay (s)	0.5	0.0	24.2
Approach LOS			C

Intersection Summary			
Average Delay		0.4	
Intersection Capacity Utilization	66.3%	ICU Level of Service	C
Analysis Period (min)	15		

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Jul-09

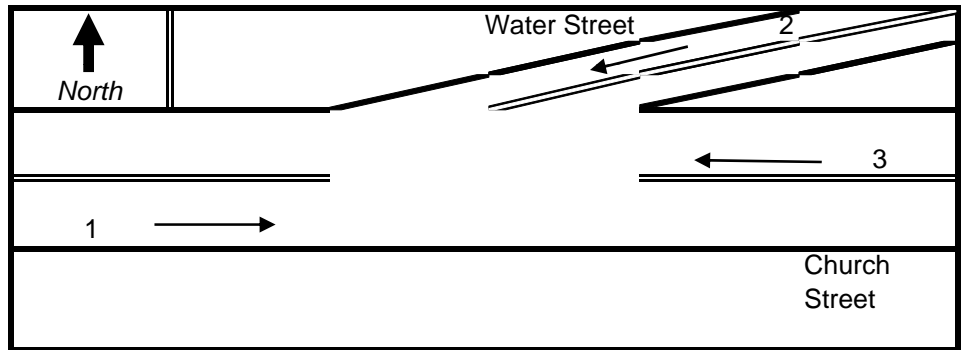
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : Water Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SWB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	863	8	864			1,735

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____



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

Community: Pembroke
 Weather: Showers
 Board #: TDC-8 (1)
 Staff: BH

File Name : 231_Church(139)&NorthRiverPlaza_AM
 Site Code : 231
 Start Date : 6/23/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

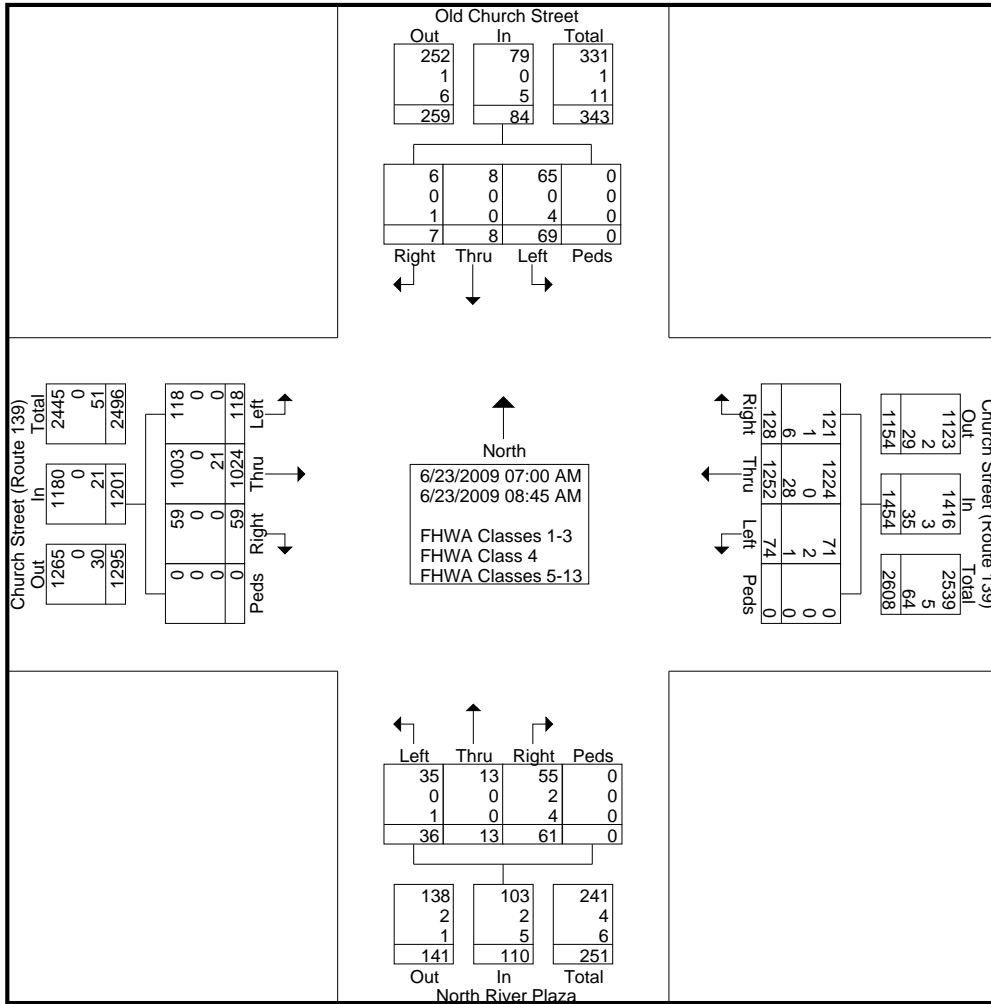
Start Time	Old Church Street Southbound					Church Street (Route 139) Westbound					North River Plaza Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	4	0	0	0	4	11	107	5	0	123	3	1	8	0	12	12	94	5	0	111	250
07:15 AM	7	0	0	0	7	3	135	3	0	141	4	0	8	0	12	9	112	5	0	126	286
07:30 AM	2	0	0	0	2	8	155	14	0	177	4	0	8	0	12	8	94	7	0	109	300
07:45 AM	9	0	1	0	10	11	191	18	0	220	2	3	8	0	13	18	132	12	0	162	405
Total	22	0	1	0	23	33	588	40	0	661	13	4	32	0	49	47	432	29	0	508	1241
08:00 AM	8	0	0	0	8	9	145	17	0	171	3	4	5	0	12	15	132	3	0	150	341
08:15 AM	10	3	0	0	13	8	151	30	0	189	6	0	4	0	10	18	149	9	0	176	388
08:30 AM	18	3	5	0	26	13	175	19	0	207	8	2	8	0	18	18	158	11	0	187	438
08:45 AM	11	2	1	0	14	11	193	22	0	226	6	3	12	0	21	20	153	7	0	180	441
Total	47	8	6	0	61	41	664	88	0	793	23	9	29	0	61	71	592	30	0	693	1608
Grand Total	69	8	7	0	84	74	1252	128	0	1454	36	13	61	0	110	118	1024	59	0	1201	2849
Apprch %	82.1	9.5	8.3	0		5.1	86.1	8.8	0		32.7	11.8	55.5	0		9.8	85.3	4.9	0		
Total %	2.4	0.3	0.2	0	2.9	2.6	43.9	4.5	0	51	1.3	0.5	2.1	0	3.9	4.1	35.9	2.1	0	42.2	
FHWA Classes 1-3	65	8	6	0	79	71	1224	121	0	1416	35	13	55	0	103	118	1003	59	0	1180	2778
% FHWA Classes 1-3	94.2	100	85.7	0	94	95.9	97.8	94.5	0	97.4	97.2	100	90.2	0	93.6	100	97.9	100	0	98.3	97.5
FHWA Class 4	0	0	0	0	0	2	0	1	0	3	0	0	2	0	2	0	0	0	0	0	5
% FHWA Class 4	0	0	0	0	0	2.7	0	0.8	0	0.2	0	0	3.3	0	1.8	0	0	0	0	0	0.2
FHWA Classes 5-13	4	0	1	0	5	1	28	6	0	35	1	0	4	0	5	0	21	0	0	21	66
% FHWA Classes 5-13	5.8	0	14.3	0	6	1.4	2.2	4.7	0	2.4	2.8	0	6.6	0	4.5	0	2.1	0	0	1.7	2.3



Old Colony Planning Council
 70 School Street
 Brockton, MA 02301

Community: Pembroke
 Weather: Showers
 Board #: TDC-8 (1)
 Staff: BH

File Name : 231_Church(139)&NorthRiverPlaza_AM
 Site Code : 231
 Start Date : 6/23/2009
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Old Colony Planning Council
 70 School Street
 Brockton, MA 02301

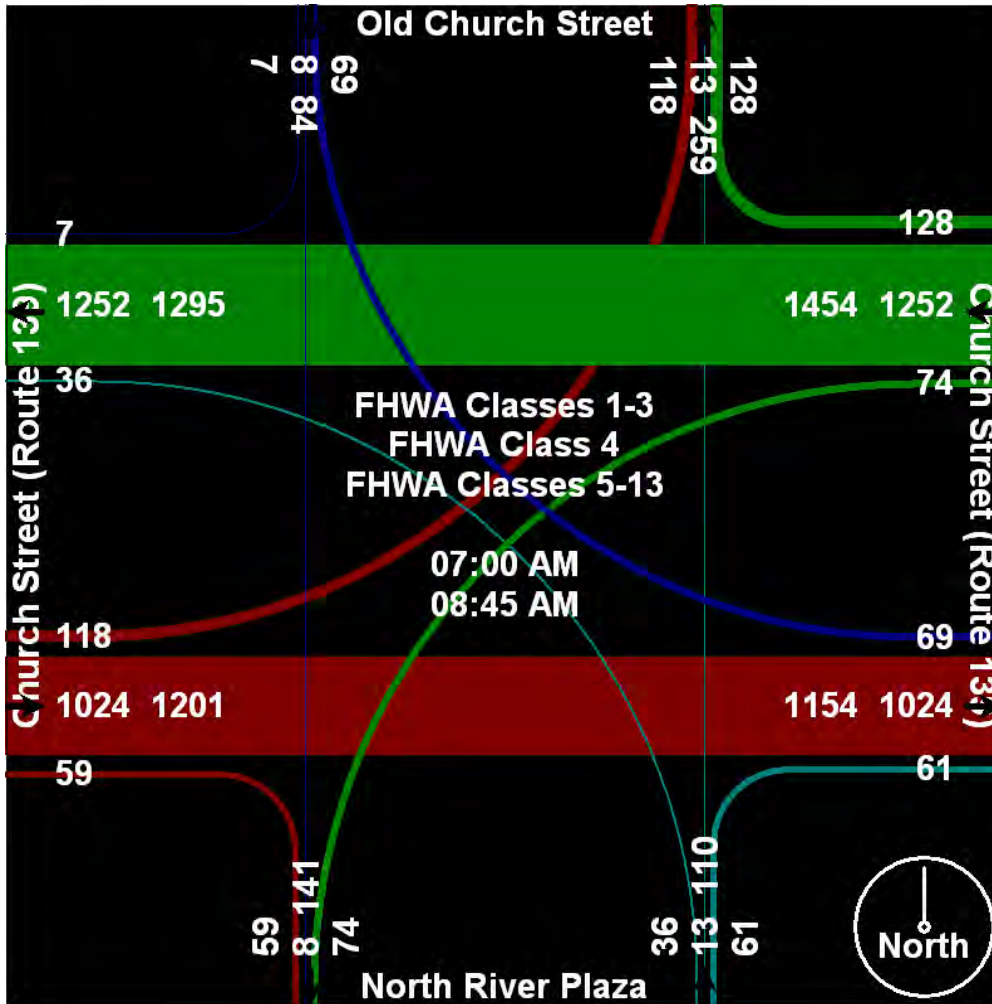
508-583-1857 File Name : 231_Church(139)&NorthRiverPlaza_AM

www.ocpcrpa.org Site Code : 231

Start Date : 6/23/2009

Page No : 3

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 Weather: Showers
 Board #: TDC-8 (1)
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Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
Weather: Showers
Board #: TDC-8 (1)
Staff: BH

File Name : 231_Church(139)&NorthRiverPlaza_AM
www.ocpcrap.org Site Code : 231
Start Date : 6/23/2009
Page No : 4

Start Time	Old Church Street Southbound					Church Street (Route 139) Westbound					North River Plaza Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 08:00 AM

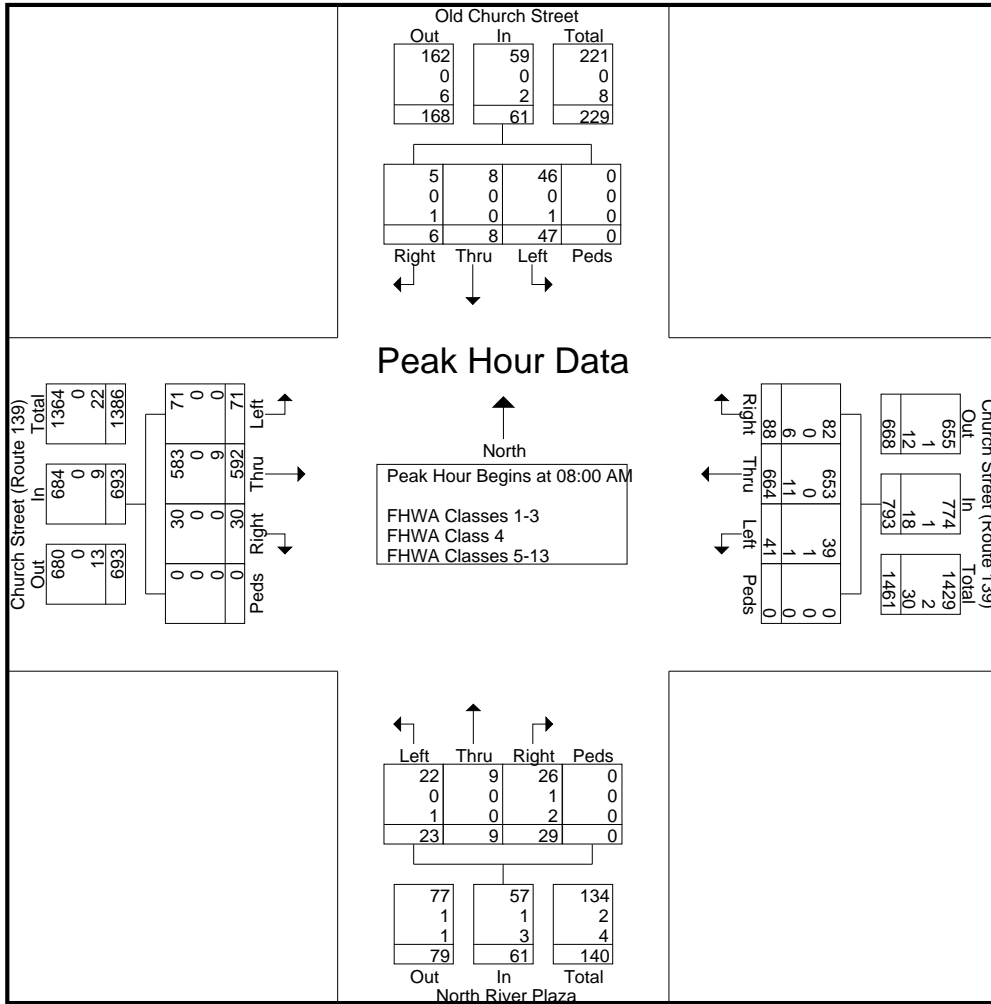
08:00 AM	8	0	0	0	8	9	145	17	0	171	3	4	5	0	12	15	132	3	0	150	341
08:15 AM	10	3	0	0	13	8	151	30	0	189	6	0	4	0	10	18	149	9	0	176	388
08:30 AM	18	3	5	0	26	13	175	19	0	207	8	2	8	0	18	18	158	11	0	187	438
08:45 AM	11	2	1	0	14	11	193	22	0	226	6	3	12	0	21	20	153	7	0	180	441
Total Volume	47	8	6	0	61	41	664	88	0	793	23	9	29	0	61	71	592	30	0	693	1608
% App. Total	77	13.1	9.8	0		5.2	83.7	11.1	0		37.7	14.8	47.5	0		10.2	85.4	4.3	0		
PHF	.653	.667	.300	.000	.587	.788	.860	.733	.000	.877	.719	.563	.604	.000	.726	.888	.937	.682	.000	.926	.912
FHWA Classes 1-3	46	8	5	0	59	39	653	82	0	774	22	9	26	0	57	71	583	30	0	684	1574
% FHWA Classes 1-3	97.9	100	83.3	0	96.7	95.1	98.3	93.2	0	97.6	95.7	100	89.7	0	93.4	100	98.5	100	0	98.7	97.9
FHWA Class 4	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	2
% FHWA Class 4	0	0	0	0	0	2.4	0	0	0	0.1	0	0	3.4	0	1.6	0	0	0	0	0	0.1
FHWA Classes 5-13	1	0	1	0	2	1	11	6	0	18	1	0	2	0	3	0	9	0	0	9	32
% FHWA Classes 5-13	2.1	0	16.7	0	3.3	2.4	1.7	6.8	0	2.3	4.3	0	6.9	0	4.9	0	1.5	0	0	1.3	2.0



Old Colony Planning Council
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Site Code : 231
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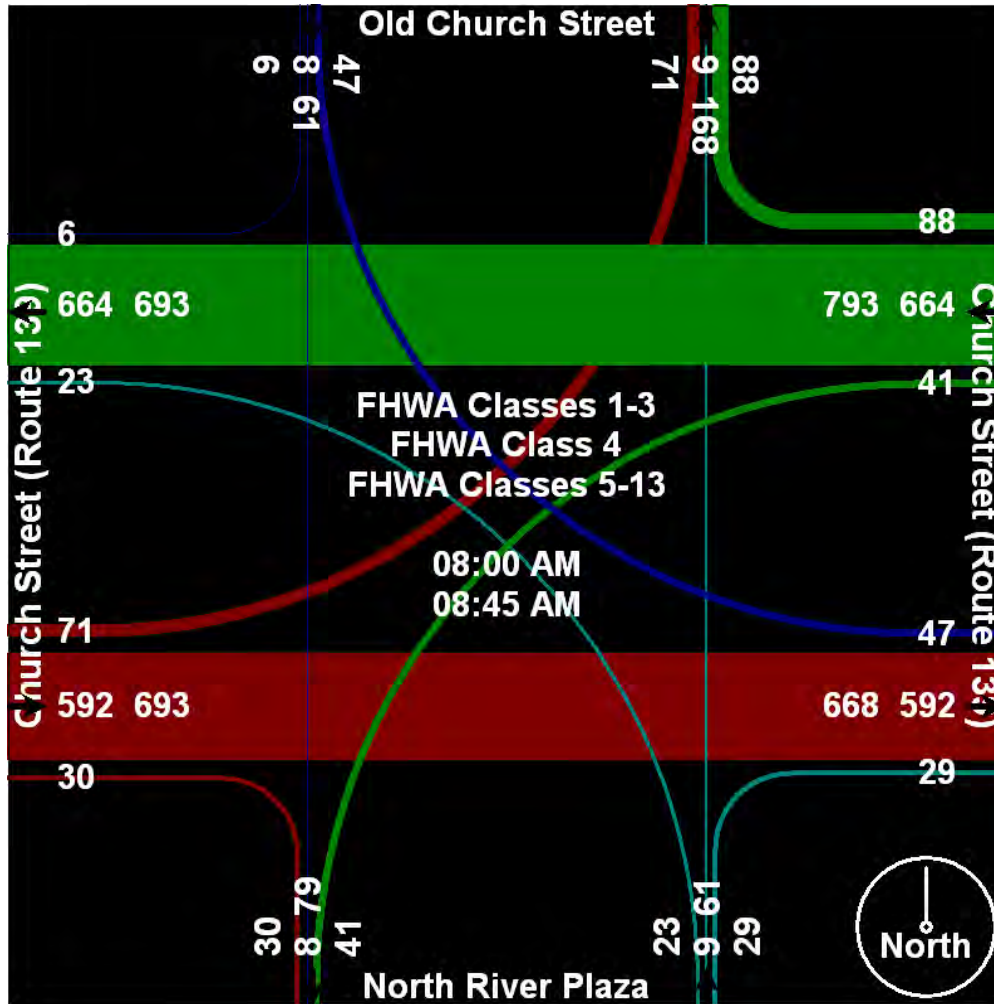




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301

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 Weather: *Showers*
 Board #: *TDC-8 (1)*
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Pembroke
 Weather: Showers
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 Staff: BH

File Name : 231_Church(139)&NorthRiverPlaza_PM
 Site Code : 231
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 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

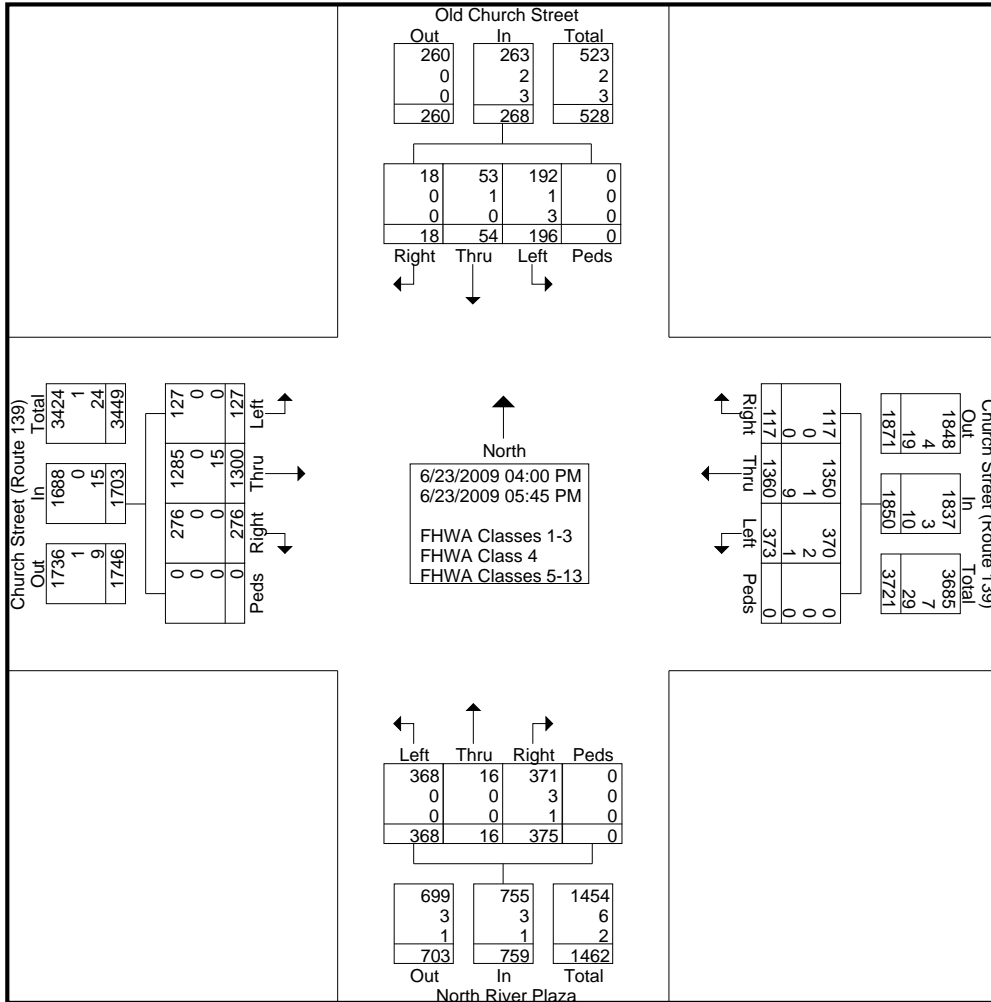
Start Time	Old Church Street Southbound					Church Street (Route 139) Westbound					North River Plaza Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	33	9	3	0	45	38	168	10	0	216	52	0	35	0	87	29	160	25	0	214	562
04:15 PM	21	9	2	0	32	32	173	20	0	225	34	0	27	0	61	3	176	51	0	230	548
04:30 PM	30	7	3	0	40	50	145	15	0	210	39	3	40	0	82	20	147	36	0	203	535
04:45 PM	21	5	3	0	29	42	185	8	0	235	29	4	57	0	90	25	152	26	0	203	557
Total	105	30	11	0	146	162	671	53	0	886	154	7	159	0	320	77	635	138	0	850	2202
05:00 PM	21	8	4	0	33	47	187	19	0	253	42	5	55	0	102	10	179	44	0	233	621
05:15 PM	20	6	0	0	26	47	183	22	0	252	43	2	51	0	96	16	201	30	0	247	621
05:30 PM	28	7	3	0	38	48	149	9	0	206	58	0	75	0	133	12	132	34	0	178	555
05:45 PM	22	3	0	0	25	69	170	14	0	253	71	2	35	0	108	12	153	30	0	195	581
Total	91	24	7	0	122	211	689	64	0	964	214	9	216	0	439	50	665	138	0	853	2378
Grand Total	196	54	18	0	268	373	1360	117	0	1850	368	16	375	0	759	127	1300	276	0	1703	4580
Apprch %	73.1	20.1	6.7	0		20.2	73.5	6.3	0		48.5	2.1	49.4	0		7.5	76.3	16.2	0		
Total %	4.3	1.2	0.4	0	5.9	8.1	29.7	2.6	0	40.4	8	0.3	8.2	0	16.6	2.8	28.4	6	0	37.2	
FHWA Classes 1-3	192	53	18	0	263	370	1350	117	0	1837	368	16	371	0	755	127	1285	276	0	1688	4543
% FHWA Classes 1-3	98	98.1	100	0	98.1	99.2	99.3	100	0	99.3	100	100	98.9	0	99.5	100	98.8	100	0	99.1	99.2
FHWA Class 4	1	1	0	0	2	2	1	0	0	3	0	0	3	0	3	0	0	0	0	0	8
% FHWA Class 4	0.5	1.9	0	0	0.7	0.5	0.1	0	0	0.2	0	0	0.8	0	0.4	0	0	0	0	0	0.2
FHWA Classes 5-13	3	0	0	0	3	1	9	0	0	10	0	0	1	0	1	0	15	0	0	15	29
% FHWA Classes 5-13	1.5	0	0	0	1.1	0.3	0.7	0	0	0.5	0	0	0.3	0	0.1	0	1.2	0	0	0.9	0.6



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File Name : 231_Church(139)&NorthRiverPlaza_PM
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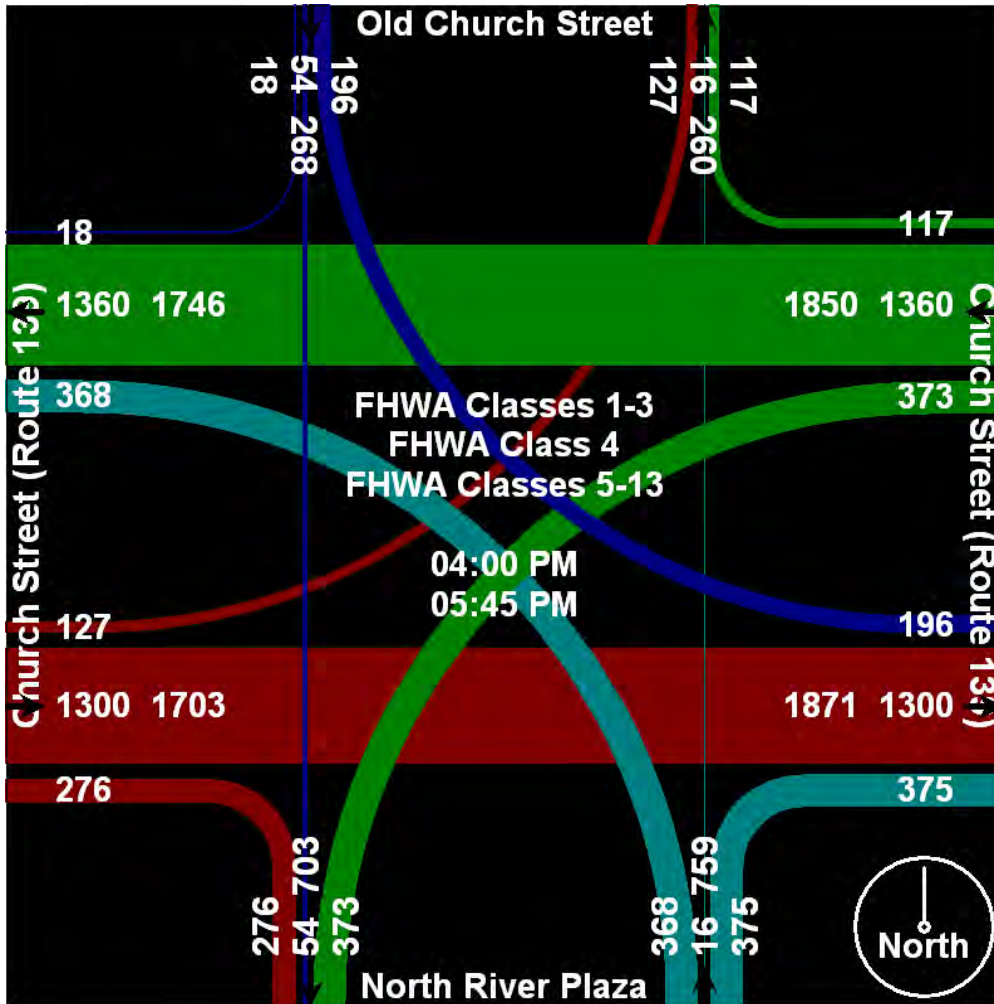




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301

Community: *Pembroke*
 Weather: *Showers*
 Board #: *TDC-8 (1)*
 Staff: *BH*

File Name : *231_Church(139)&NorthRiverPlaza_PM*
 www.ocpcrpa.org Site Code : *231*
 Start Date : *6/23/2009*
 Page No : *3*



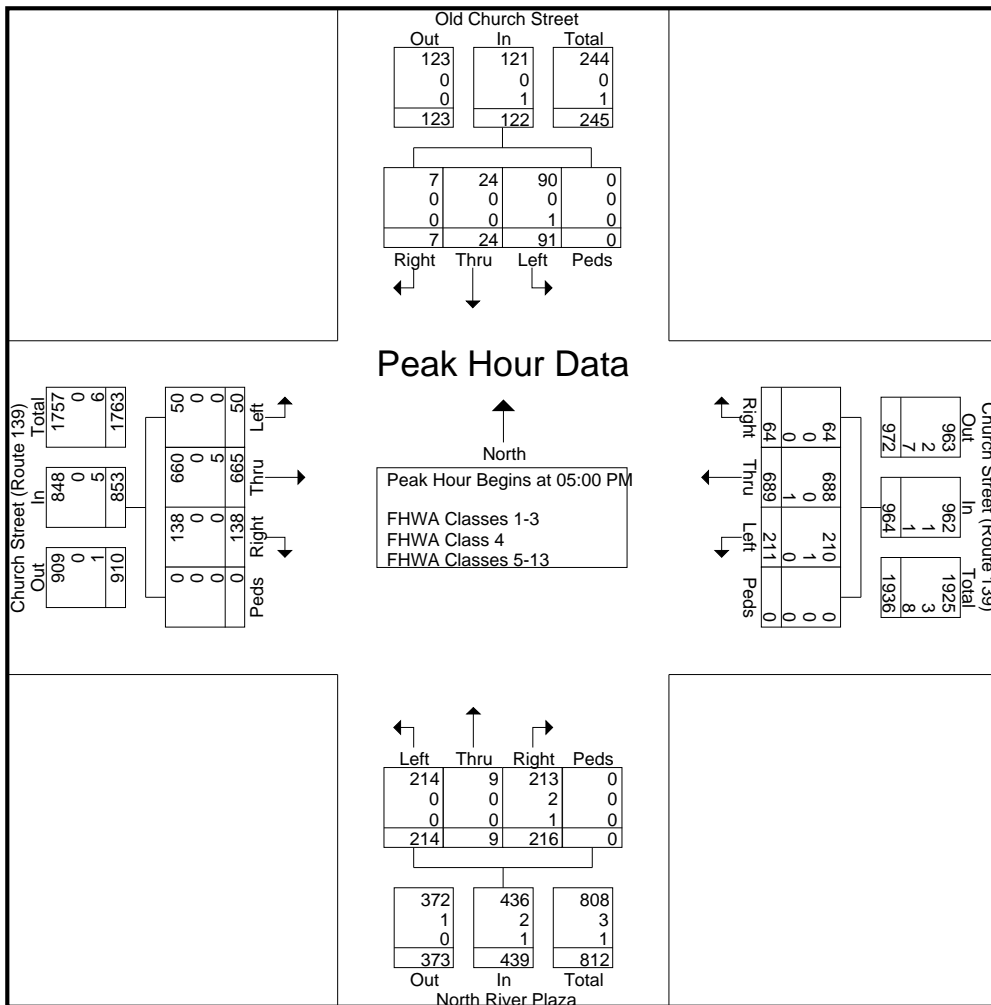


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Community: Pembroke
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File Name : 231_Church(139)&NorthRiverPlaza_PM
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 Start Date : 6/23/2009
 Page No : 4

Start Time	Old Church Street Southbound					Church Street (Route 139) Westbound					North River Plaza Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 05:00 PM																					
05:00 PM	21	8	4	0	33	47	187	19	0	253	42	5	55	0	102	10	179	44	0	233	621
05:15 PM	20	6	0	0	26	47	183	22	0	252	43	2	51	0	96	16	201	30	0	247	621
05:30 PM	28	7	3	0	38	48	149	9	0	206	58	0	75	0	133	12	132	34	0	178	555
05:45 PM	22	3	0	0	25	69	170	14	0	253	71	2	35	0	108	12	153	30	0	195	581
Total Volume	91	24	7	0	122	211	689	64	0	964	214	9	216	0	439	50	665	138	0	853	2378
% App. Total	74.6	19.7	5.7	0		21.9	71.5	6.6	0		48.7	2.1	49.2	0		5.9	78	16.2	0		
PHF	.813	.750	.438	.000	.803	.764	.921	.727	.000	.953	.754	.450	.720	.000	.825	.781	.827	.784	.000	.863	.957
FHWA Classes 1-3	90	24	7	0	121	210	688	64	0	962	214	9	213	0	436	50	660	138	0	848	2367
% FHWA Classes 1-3	98.9	100	100	0	99.2	99.5	99.9	100	0	99.8	100	100	98.6	0	99.3	100	99.2	100	0	99.4	99.5
FHWA Class 4	0	0	0	0	0	1	0	0	0	1	0	0	2	0	2	0	0	0	0	0	3
% FHWA Class 4	0	0	0	0	0	0.5	0	0	0	0.1	0	0	0.9	0	0.5	0	0	0	0	0	0.1
FHWA Classes 5-13	1	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	5	0	0	5	8
% FHWA Classes 5-13	1.1	0	0	0	0.8	0	0.1	0	0	0.1	0	0	0.5	0	0.2	0	0.8	0	0	0.6	0.3

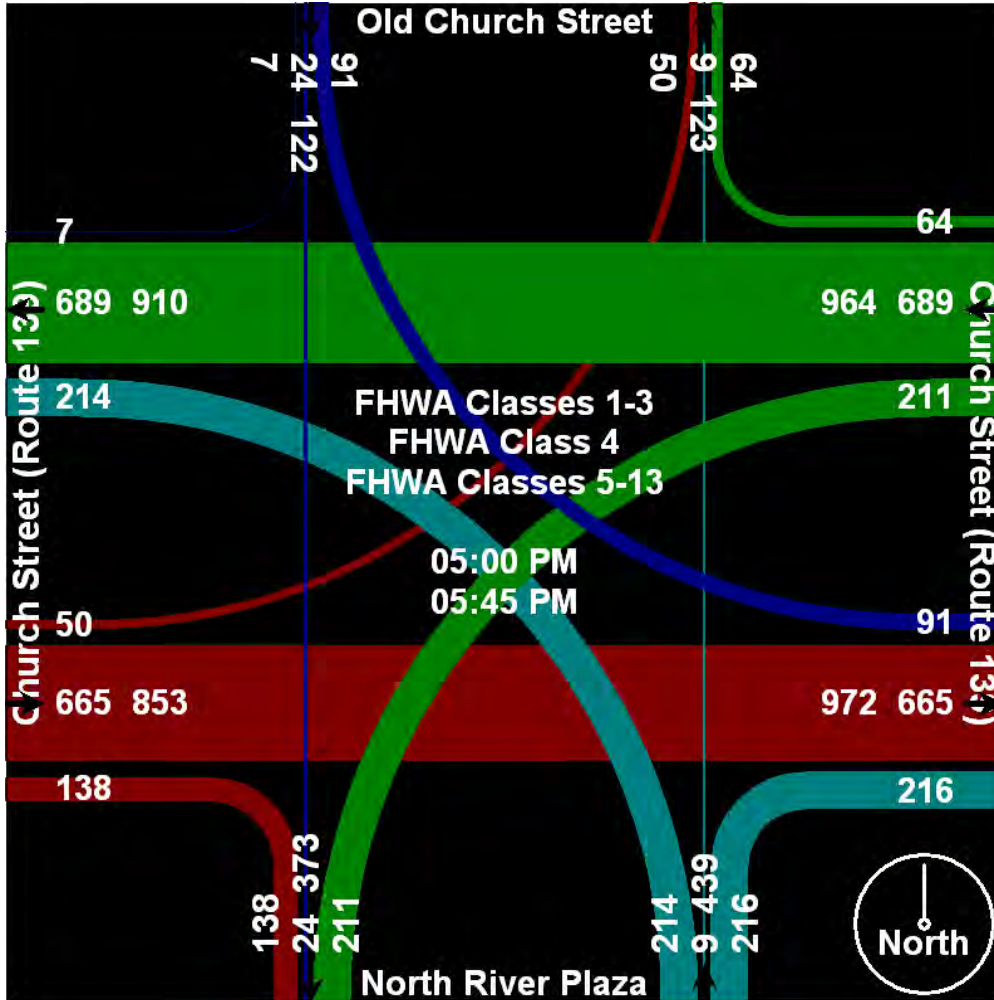




Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Pembroke
Weather: Showers
Board #: TDC-8 (1)
Staff: BH



























File Name : 231_Church(139)&NorthRiverPlaza_PM
Site Code : 231
Start Date : 6/23/2009
Page No : 5



HCM Signalized Intersection Capacity Analysis

9: Church Street (Route 139) & Lowes

2009 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 					 	 	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00		1.00	1.00	0.97	1.00	
Frt	1.00	0.99		1.00	1.00	0.85		1.00	0.85	1.00	0.85	
Flt Protected	0.95	1.00		0.95	1.00	1.00		0.96	1.00	0.95	1.00	
Satd. Flow (prot)	1770	3514		1770	3539	1583		1730	1524	3400	1568	
Flt Permitted	0.95	1.00		0.95	1.00	1.00		0.86	1.00	0.73	1.00	
Satd. Flow (perm)	1770	3514		1770	3539	1583		1549	1524	2607	1568	
Volume (vph)	71	592	30	41	664	88	23	9	29	47	0	6
Peak-hour factor, PHF	0.93	0.93	0.93	0.88	0.88	0.88	0.73	0.73	0.73	0.59	0.59	0.59
Adj. Flow (vph)	76	637	32	47	755	100	32	12	40	80	0	10
RTOR Reduction (vph)	0	7	0	0	0	69	0	0	25	0	6	0
Lane Group Flow (vph)	76	662	0	47	755	31	0	44	15	80	4	0
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	6%	6%	6%	3%	3%	3%
Turn Type	Prot			Prot		Perm	Perm		Perm	Perm		
Protected Phases	7	4		3	8			2				6
Permitted Phases						8	2		2	6		
Actuated Green, G (s)	3.6	17.1		2.0	15.5	15.5		18.9	18.9	18.9	18.9	
Effective Green, g (s)	3.6	17.1		2.0	15.5	15.5		18.9	18.9	18.9	18.9	
Actuated g/C Ratio	0.07	0.34		0.04	0.31	0.31		0.38	0.38	0.38	0.38	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	127	1202		71	1097	491		586	576	985	593	
v/s Ratio Prot	c0.04	0.19		0.03	c0.21						0.00	
v/s Ratio Perm						0.02		0.03	0.01	c0.03		
v/c Ratio	0.60	0.55		0.66	0.69	0.06		0.08	0.03	0.08	0.01	
Uniform Delay, d1	22.5	13.3		23.7	15.1	12.1		10.0	9.8	10.0	9.7	
Progression Factor	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2	7.4	0.5		20.8	1.8	0.1		0.2	0.1	0.2	0.0	
Delay (s)	29.9	13.9		44.5	16.9	12.2		10.2	9.9	10.1	9.7	
Level of Service	C	B		D	B	B		B	A	B	A	
Approach Delay (s)		15.5			17.9			10.0			10.1	
Approach LOS		B			B			B			B	
Intersection Summary												
HCM Average Control Delay			16.2				HCM Level of Service			B		
HCM Volume to Capacity ratio			0.38									
Actuated Cycle Length (s)			50.0				Sum of lost time (s)		12.0			
Intersection Capacity Utilization			40.7%				ICU Level of Service		A			
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis

9: Church Street (Route 139) & Lowes

2009 PM Peak Hour LOS

























Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00		1.00	1.00	0.97	1.00	
Frt	1.00	0.97		1.00	1.00	0.85		1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00		0.95	1.00	1.00		0.95	1.00	0.95	1.00	
Satd. Flow (prot)	1787	3482		1787	3574	1599		1795	1599	3467	1816	
Flt Permitted	0.95	1.00		0.95	1.00	1.00		0.71	1.00	0.49	1.00	
Satd. Flow (perm)	1787	3482		1787	3574	1599		1328	1599	1775	1816	
Volume (vph)	50	665	138	211	689	64	214	9	216	91	24	7
Peak-hour factor, PHF	0.86	0.86	0.86	0.95	0.95	0.95	0.83	0.83	0.83	0.80	0.80	0.80
Adj. Flow (vph)	58	773	160	222	725	67	258	11	260	114	30	9
RTOR Reduction (vph)	0	31	0	0	0	38	0	0	185	0	6	0
Lane Group Flow (vph)	58	902	0	222	725	29	0	269	75	114	33	0
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	Prot			Prot		Perm	Perm		Perm	Perm		
Protected Phases	7	4		3	8			2				6
Permitted Phases						8	2		2	6		
Actuated Green, G (s)	3.6	18.3		8.8	23.5	23.5		15.9	15.9	15.9	15.9	
Effective Green, g (s)	3.6	18.3		8.8	23.5	23.5		15.9	15.9	15.9	15.9	
Actuated g/C Ratio	0.07	0.33		0.16	0.43	0.43		0.29	0.29	0.29	0.29	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	117	1159		286	1527	683		384	462	513	525	
v/s Ratio Prot	0.03	c0.26		c0.12	0.20							0.02
v/s Ratio Perm						0.02		c0.20	0.05	0.06		
v/c Ratio	0.50	0.78		0.78	0.47	0.04		0.70	0.16	0.22	0.06	
Uniform Delay, d1	24.8	16.5		22.2	11.3	9.2		17.4	14.6	14.9	14.2	
Progression Factor	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2	3.3	3.4		12.4	0.2	0.0		10.2	0.8	1.0	0.2	
Delay (s)	28.1	19.9		34.6	11.6	9.2		27.6	15.3	15.9	14.4	
Level of Service	C	B		C	B	A		C	B	B	B	
Approach Delay (s)		20.4			16.4			21.6			15.5	
Approach LOS		C			B			C			B	
Intersection Summary												
HCM Average Control Delay			18.8				HCM Level of Service			B		
HCM Volume to Capacity ratio			0.75									
Actuated Cycle Length (s)			55.0				Sum of lost time (s)		12.0			
Intersection Capacity Utilization			63.5%				ICU Level of Service		B			
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis

9: Church Street (Route 139) & Lowes

























Projected 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 					 		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00		1.00	1.00	0.97	1.00	
Frt	1.00	0.99		1.00	1.00	0.85		1.00	0.85	1.00	0.85	
Flt Protected	0.95	1.00		0.95	1.00	1.00		0.97	1.00	0.95	1.00	
Satd. Flow (prot)	1770	3514		1770	3539	1583		1730	1524	3400	1568	
Flt Permitted	0.95	1.00		0.95	1.00	1.00		0.86	1.00	0.73	1.00	
Satd. Flow (perm)	1770	3514		1770	3539	1583		1548	1524	2602	1568	
Volume (vph)	71	592	30	41	664	88	23	9	29	47	0	6
Peak-hour factor, PHF	0.93	0.93	0.93	0.88	0.88	0.88	0.73	0.73	0.73	0.59	0.59	0.59
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	80	668	34	49	792	105	33	13	42	84	0	11
RTOR Reduction (vph)	0	7	0	0	0	72	0	0	26	0	7	0
Lane Group Flow (vph)	80	695	0	49	792	33	0	46	16	84	4	0
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	6%	6%	6%	3%	3%	3%
Turn Type	Prot			Prot		Perm	Perm		Perm	Perm		
Protected Phases	7	4		3	8			2			6	
Permitted Phases						8	2		2		6	
Actuated Green, G (s)	3.6	17.3		2.0	15.7	15.7		18.7	18.7	18.7	18.7	
Effective Green, g (s)	3.6	17.3		2.0	15.7	15.7		18.7	18.7	18.7	18.7	
Actuated g/C Ratio	0.07	0.35		0.04	0.31	0.31		0.37	0.37	0.37	0.37	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	127	1216		71	1111	497		579	570	973	586	
v/s Ratio Prot	c0.05	0.20		0.03	c0.22						0.00	
v/s Ratio Perm						0.02		0.03	0.01	c0.03		
v/c Ratio	0.63	0.57		0.69	0.71	0.07		0.08	0.03	0.09	0.01	
Uniform Delay, d1	22.6	13.3		23.7	15.2	12.0		10.1	9.9	10.1	9.8	
Progression Factor	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2	9.4	0.7		25.1	2.2	0.1		0.3	0.1	0.2	0.0	
Delay (s)	32.0	14.0		48.8	17.3	12.1		10.4	10.0	10.3	9.8	
Level of Service	C	B		D	B	B		B	A	B	A	
Approach Delay (s)		15.8			18.4			10.2			10.2	
Approach LOS		B			B			B			B	
Intersection Summary												
HCM Average Control Delay			16.6				HCM Level of Service			B		
HCM Volume to Capacity ratio			0.39									
Actuated Cycle Length (s)			50.0				Sum of lost time (s)		12.0			
Intersection Capacity Utilization			41.9%				ICU Level of Service		A			
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis

9: Church Street (Route 139) & Lowes

Projected 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 					 		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95	1.00		1.00	1.00	0.97	1.00	
Frt	1.00	0.97		1.00	1.00	0.85		1.00	0.85	1.00	0.97	
Flt Protected	0.95	1.00		0.95	1.00	1.00		0.95	1.00	0.95	1.00	
Satd. Flow (prot)	1787	3482		1787	3574	1599		1795	1599	3467	1819	
Flt Permitted	0.95	1.00		0.95	1.00	1.00		0.70	1.00	0.46	1.00	
Satd. Flow (perm)	1787	3482		1787	3574	1599		1325	1599	1685	1819	
Volume (vph)	50	665	138	211	689	64	214	9	216	91	24	7
Peak-hour factor, PHF	0.86	0.86	0.86	0.95	0.95	0.95	0.83	0.83	0.83	0.80	0.80	0.80
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	61	812	168	233	762	71	271	11	273	119	32	9
RTOR Reduction (vph)	0	31	0	0	0	40	0	0	196	0	6	0
Lane Group Flow (vph)	61	949	0	233	762	31	0	282	77	119	35	0
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Turn Type	Prot			Prot		Perm	Perm		Perm	Perm		
Protected Phases	7	4		3	8			2			6	
Permitted Phases						8	2		2	6		
Actuated Green, G (s)	3.6	18.5		8.9	23.8	23.8		15.6	15.6	15.6	15.6	
Effective Green, g (s)	3.6	18.5		8.9	23.8	23.8		15.6	15.6	15.6	15.6	
Actuated g/C Ratio	0.07	0.34		0.16	0.43	0.43		0.28	0.28	0.28	0.28	
Clearance Time (s)	4.0	4.0		4.0	4.0	4.0		4.0	4.0	4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)	117	1171		289	1547	692		376	454	478	516	
v/s Ratio Prot	0.03	c0.27		c0.13	0.21							0.02
v/s Ratio Perm						0.02		c0.21	0.05	0.07		
v/c Ratio	0.52	0.81		0.81	0.49	0.04		0.75	0.17	0.25	0.07	
Uniform Delay, d1	24.9	16.7		22.2	11.2	9.0		17.9	14.8	15.2	14.4	
Progression Factor	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2	4.1	4.4		15.0	0.2	0.0		12.9	0.8	1.2	0.3	
Delay (s)	29.0	21.0		37.2	11.5	9.0		30.8	15.6	16.4	14.6	
Level of Service	C	C		D	B	A		C	B	B	B	
Approach Delay (s)		21.5			17.0			23.4			16.0	
Approach LOS		C			B			C			B	
Intersection Summary												
HCM Average Control Delay			19.8				HCM Level of Service			B		
HCM Volume to Capacity ratio			0.79									
Actuated Cycle Length (s)			55.0				Sum of lost time (s)		12.0			
Intersection Capacity Utilization			65.8%				ICU Level of Service		C			
Analysis Period (min)			15									
c Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Jun-09

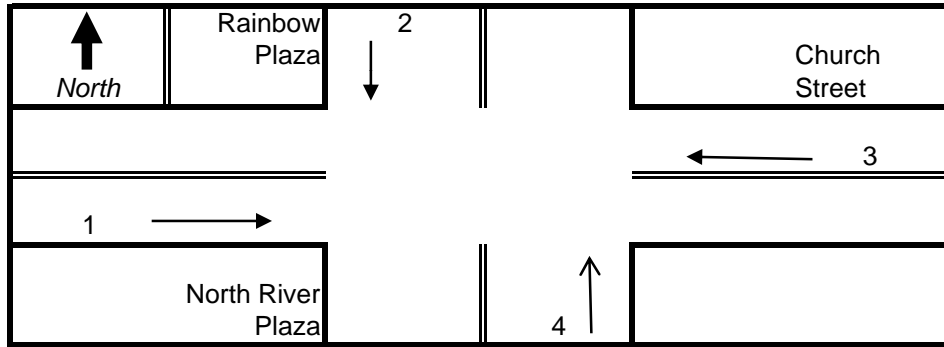
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : North River Plaza

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	853	122	984	439		2,398

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

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

CRASH RATE CALCULATION :

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

Comments : _____

Project Title & Date: _____

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

Community: Pembroke
Weather: Clear
Board #: TDC-8 (1)
Staff: BM

File Name : 231_Church(139)&Oak_AM
Site Code : 231
Start Date : 5/21/2009
Page No : 1

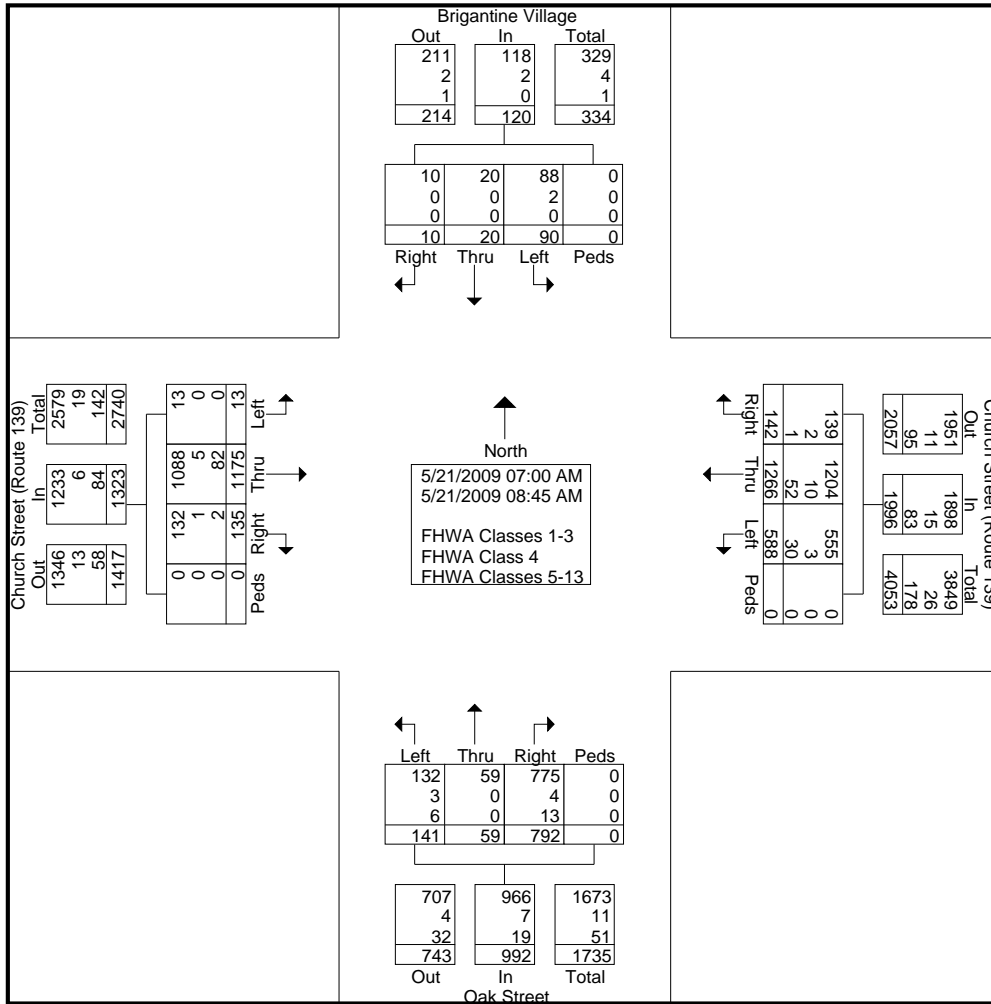
Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Brigantine Village Southbound					Church Street (Route 139) Westbound					Oak Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	8	0	2	0	10	55	107	12	0	174	24	5	101	0	130	0	87	17	0	104	418
07:15 AM	5	2	3	0	10	68	155	18	0	241	13	5	104	0	122	1	141	23	0	165	538
07:30 AM	15	4	0	0	19	65	117	21	0	203	16	3	78	0	97	3	113	8	0	124	443
07:45 AM	12	0	0	0	12	75	205	17	0	297	11	11	99	0	121	0	170	12	0	182	612
Total	40	6	5	0	51	263	584	68	0	915	64	24	382	0	470	4	511	60	0	575	2011
08:00 AM	12	3	0	0	15	76	166	14	0	256	15	7	91	0	113	0	183	19	0	202	586
08:15 AM	16	0	0	0	16	86	125	15	0	226	20	8	146	0	174	3	158	19	0	180	596
08:30 AM	8	5	1	0	14	78	175	20	0	273	9	8	60	0	77	1	147	19	0	167	531
08:45 AM	14	6	4	0	24	85	216	25	0	326	33	12	113	0	158	5	176	18	0	199	707
Total	50	14	5	0	69	325	682	74	0	1081	77	35	410	0	522	9	664	75	0	748	2420
Grand Total	90	20	10	0	120	588	1266	142	0	1996	141	59	792	0	992	13	1175	135	0	1323	4431
Apprch %	75	16.7	8.3	0		29.5	63.4	7.1	0		14.2	5.9	79.8	0		1	88.8	10.2	0		
Total %	2	0.5	0.2	0	2.7	13.3	28.6	3.2	0	4.5	3.2	1.3	17.9	0	22.4	0.3	26.5	3	0	29.9	
FHWA Classes 1-3	88	20	10	0	118	555	1204	139	0	1898	132	59	775	0	966	13	1088	132	0	1233	4215
% FHWA Classes 1-3	97.8	100	100	0	98.3	94.4	95.1	97.9	0	95.1	93.6	100	97.9	0	97.4	100	92.6	97.8	0	93.2	95.1
FHWA Class 4	2	0	0	0	2	3	10	2	0	15	3	0	4	0	7	0	5	1	0	6	30
% FHWA Class 4	2.2	0	0	0	1.7	0.5	0.8	1.4	0	0.8	2.1	0	0.5	0	0.7	0	0.4	0.7	0	0.5	0.7
FHWA Classes 5-13	0	0	0	0	0	30	52	1	0	83	6	0	13	0	19	0	82	2	0	84	186
% FHWA Classes 5-13	0	0	0	0	0	5.1	4.1	0.7	0	4.2	4.3	0	1.6	0	1.9	0	7	1.5	0	6.3	4.2

**Old Colony Planning Council
70 School Street
Brockton, MA 02301**

**Community: Pembroke
Weather: Clear
Board #: TDC-8 (1)
Staff: BM**

**File Name : 231_Church(139)&Oak_AM
Site Code : 231
Start Date : 5/21/2009
Page No : 2**



Old Colony Planning Council

70 School Street
Brockton, MA 02301

508-583-1833

File Name : 231_Church(139)&Oak_AM

Site Code : 231

Start Date : 5/21/2009

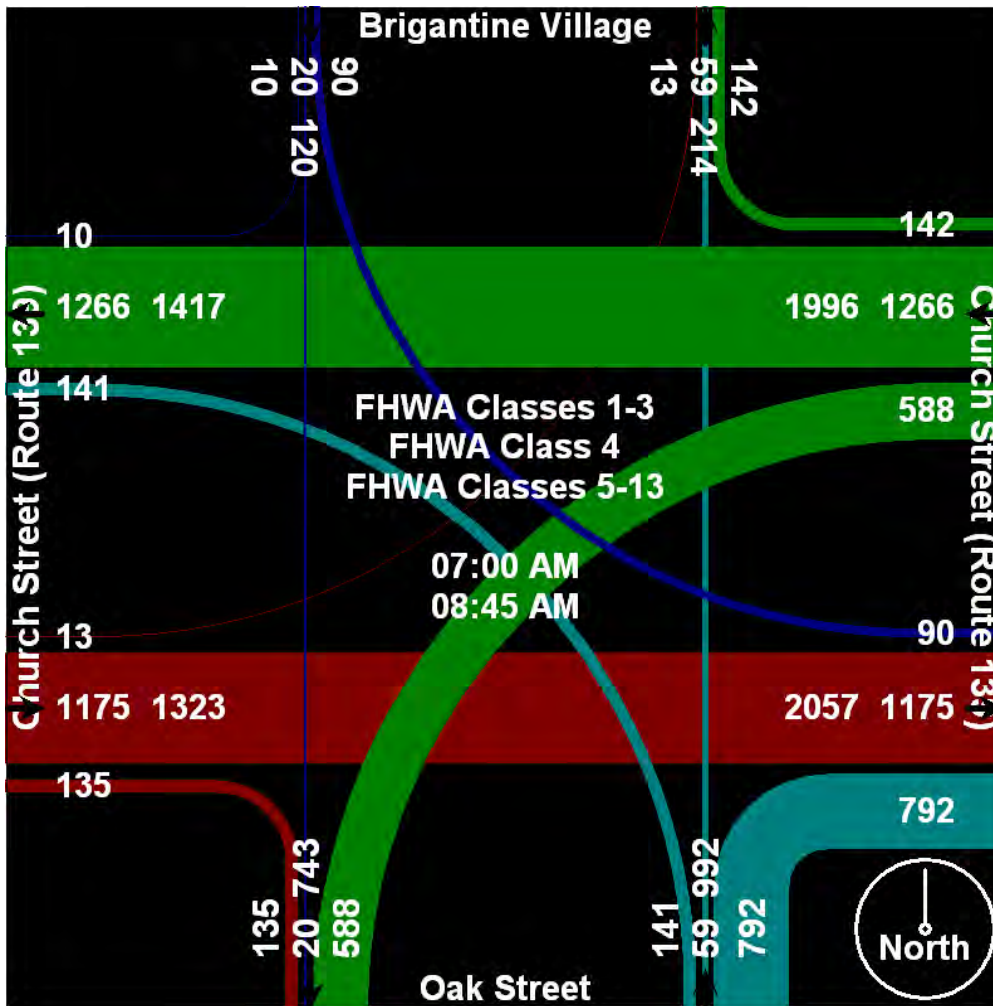
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Community: Pembroke

Weather: Clear

Board #: TDC-8 (1)

Staff: BM



Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833

File Name : 231_Church(139)&Oak_AM

Site Code : 231

Start Date : 5/21/2009

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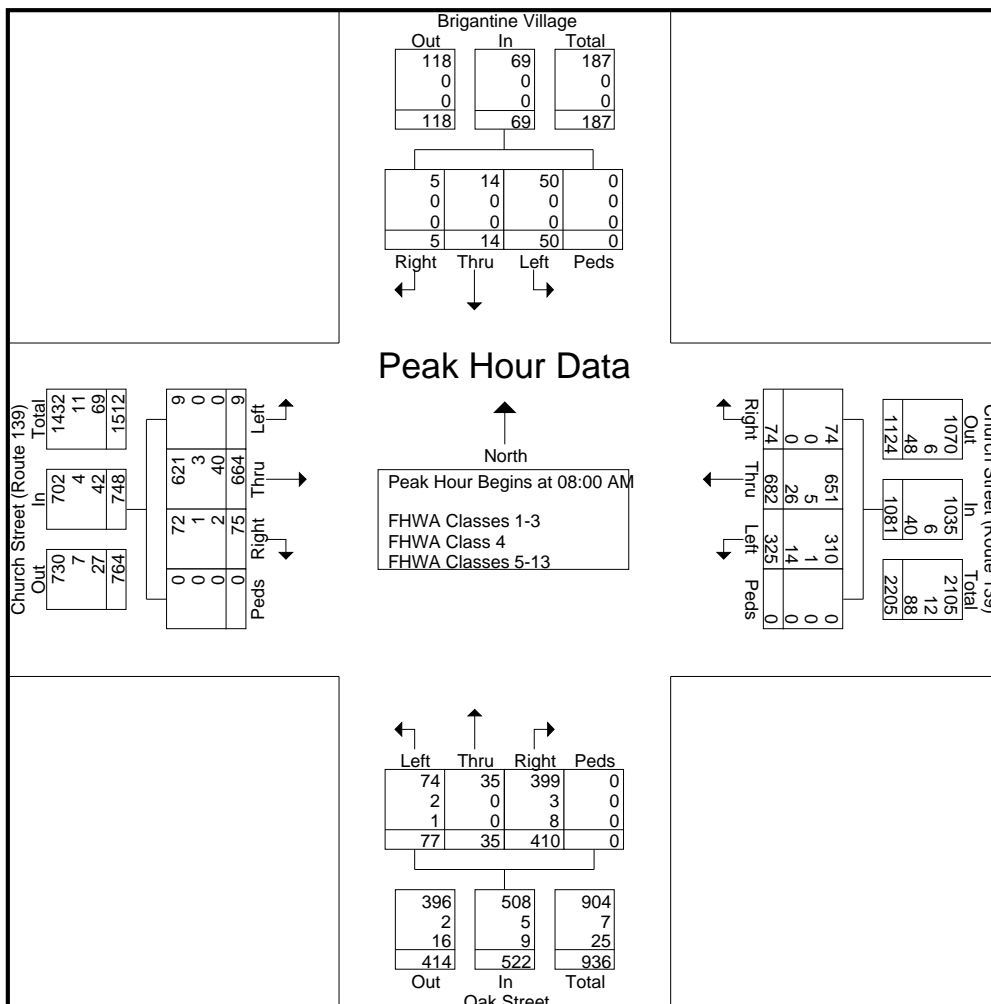
Community: Pembroke

Weather: Clear

Board #: TDC-8 (1)

Staff: BM

Start Time	Brigantine Village Southbound					Church Street (Route 139) Westbound					Oak Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 08:00 AM																					
08:00 AM	12	3	0	0	15	76	166	14	0	256	15	7	91	0	113	0	183	19	0	202	586
08:15 AM	16	0	0	0	16	86	125	15	0	226	20	8	146	0	174	3	158	19	0	180	596
08:30 AM	8	5	1	0	14	78	175	20	0	273	9	8	60	0	77	1	147	19	0	167	531
08:45 AM	14	6	4	0	24	85	216	25	0	326	33	12	113	0	158	5	176	18	0	199	707
Total Volume	50	14	5	0	69	325	682	74	0	1081	77	35	410	0	522	9	664	75	0	748	2420
% App. Total	72.5	20.3	7.2	0		30.1	63.1	6.8	0		14.8	6.7	78.5	0		1.2	88.8	10	0		
PHF	.781	.583	.313	.000	.719	.945	.789	.740	.000	.829	.583	.729	.702	.000	.750	.450	.907	.987	.000	.926	.856
FHWA Classes 1-3	50	14	5	0	69	310	651	74	0	1035	74	35	399	0	508	9	621	72	0	702	2314
% FHWA Classes 1-3	100	100	100	0	100	95.4	95.5	100	0	95.7	96.1	100	97.3	0	97.3	100	93.5	96.0	0	93.9	95.6
FHWA Class 4	0	0	0	0	0	1	5	0	0	6	2	0	3	0	5	0	3	1	0	4	15
% FHWA Class 4	0	0	0	0	0	0.3	0.7	0	0	0.6	2.6	0	0.7	0	1.0	0	0.5	1.3	0	0.5	0.6
FHWA Classes 5-13	0	0	0	0	0	14	26	0	0	40	1	0	8	0	9	0	40	2	0	42	91
% FHWA Classes 5-13	0	0	0	0	0	4.3	3.8	0	0	3.7	1.3	0	2.0	0	1.7	0	6.0	2.7	0	5.6	3.8



Old Colony Planning Council

70 School Street
Brockton, MA 02301

508-583-1833

File Name : 231_Church(139)&Oak_AM

Site Code : 231

Start Date : 5/21/2009

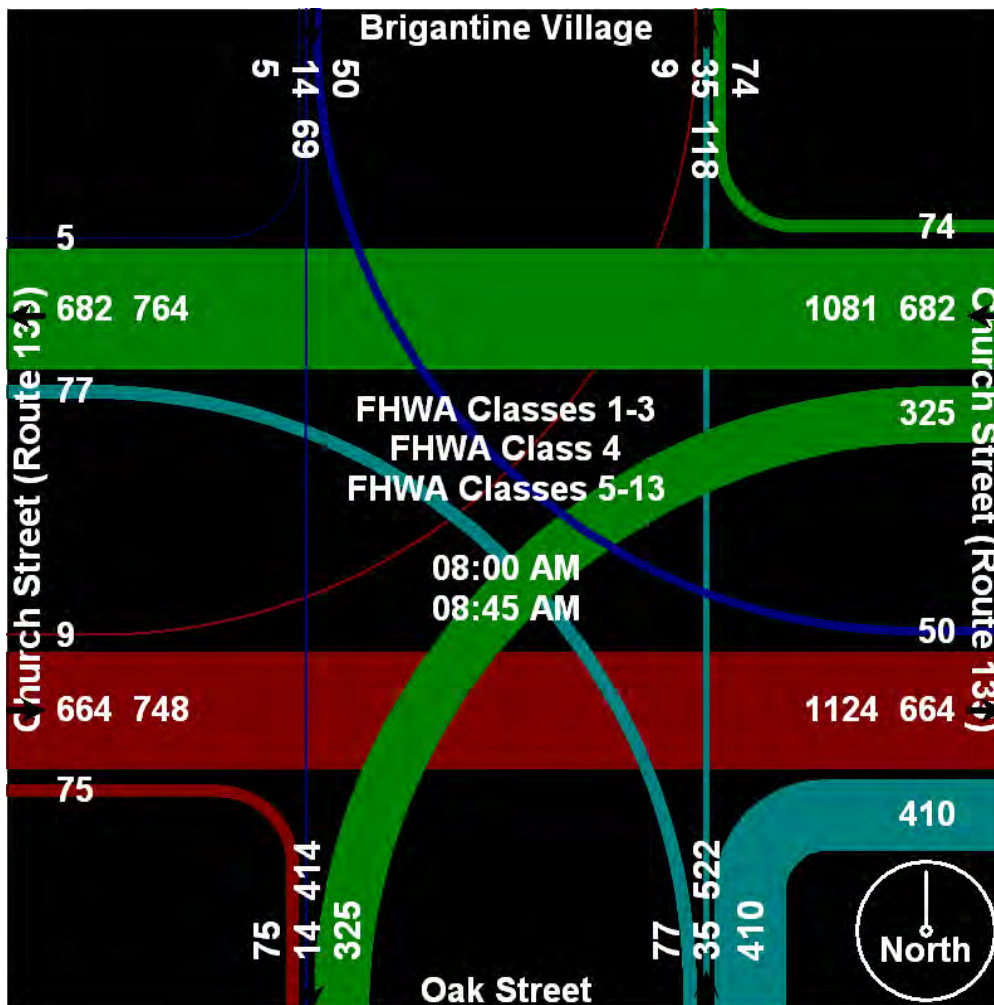
Page No : 5

Community: Pembroke

Weather: Clear

Board #: TDC-8 (1)

Staff: BM





Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Pembroke
 Weather: Clear
 Board #: DB-400 (5)
 Staff: JC

File Name : 231_Church(139)&Oak_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

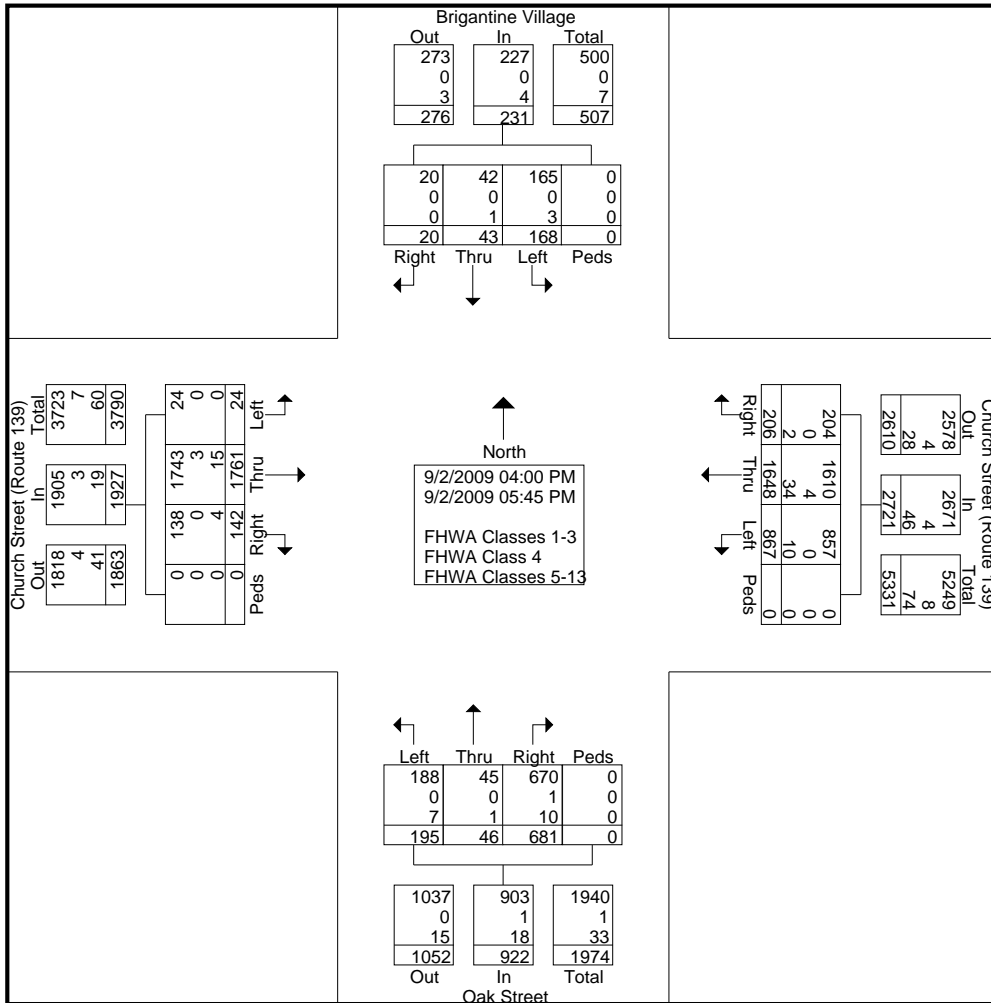
Start Time	Brigantine Village Southbound					Church Street (Route 139) Westbound					Oak Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	22	4	4	0	30	98	213	16	0	327	30	3	91	0	124	2	219	12	0	233	714
04:15 PM	26	5	2	0	33	108	193	32	0	333	15	7	65	0	87	0	201	19	0	220	673
04:30 PM	17	6	4	0	27	80	204	24	0	308	23	5	82	0	110	1	234	13	0	248	693
04:45 PM	22	5	2	0	29	121	224	28	0	373	23	11	101	0	135	1	206	18	0	225	762
Total	87	20	12	0	119	407	834	100	0	1341	91	26	339	0	456	4	860	62	0	926	2842
05:00 PM	17	3	2	0	22	108	211	24	0	343	43	6	106	0	155	2	242	25	0	269	789
05:15 PM	24	2	1	0	27	134	211	24	0	369	28	2	97	0	127	6	213	22	0	241	764
05:30 PM	18	7	2	0	27	100	200	26	0	326	10	6	79	0	95	7	243	21	0	271	719
05:45 PM	22	11	3	0	36	118	192	32	0	342	23	6	60	0	89	5	203	12	0	220	687
Total	81	23	8	0	112	460	814	106	0	1380	104	20	342	0	466	20	901	80	0	1001	2959
Grand Total	168	43	20	0	231	867	1648	206	0	2721	195	46	681	0	922	24	1761	142	0	1927	5801
Apprch %	72.7	18.6	8.7	0		31.9	60.6	7.6	0		21.1	5	73.9	0		1.2	91.4	7.4	0		
Total %	2.9	0.7	0.3	0	4	14.9	28.4	3.6	0	46.9	3.4	0.8	11.7	0	15.9	0.4	30.4	2.4	0	33.2	
FHWA Classes 1-3	165	42	20	0	227	857	1610	204	0	2671	188	45	670	0	903	24	1743	138	0	1905	5706
% FHWA Classes 1-3	98.2	97.7	100	0	98.3	98.8	97.7	99	0	98.2	96.4	97.8	98.4	0	97.9	100	99	97.2	0	98.9	98.4
FHWA Class 4	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	0	3	0	0	3	8
% FHWA Class 4	0	0	0	0	0	0	0.2	0	0	0.1	0	0	0.1	0	0.1	0	0.2	0	0	0.2	0.1
FHWA Classes 5-13	3	1	0	0	4	10	34	2	0	46	7	1	10	0	18	0	15	4	0	19	87
% FHWA Classes 5-13	1.8	2.3	0	0	1.7	1.2	2.1	1	0	1.7	3.6	2.2	1.5	0	2	0	0.9	2.8	0	1	1.5



Old Colony Planning Council
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508-583-1833
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Community: Pembroke
 Weather: Clear
 Board #: DB-400 (5)
 Staff: JC

File Name : 231_Church(139)&Oak_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 2

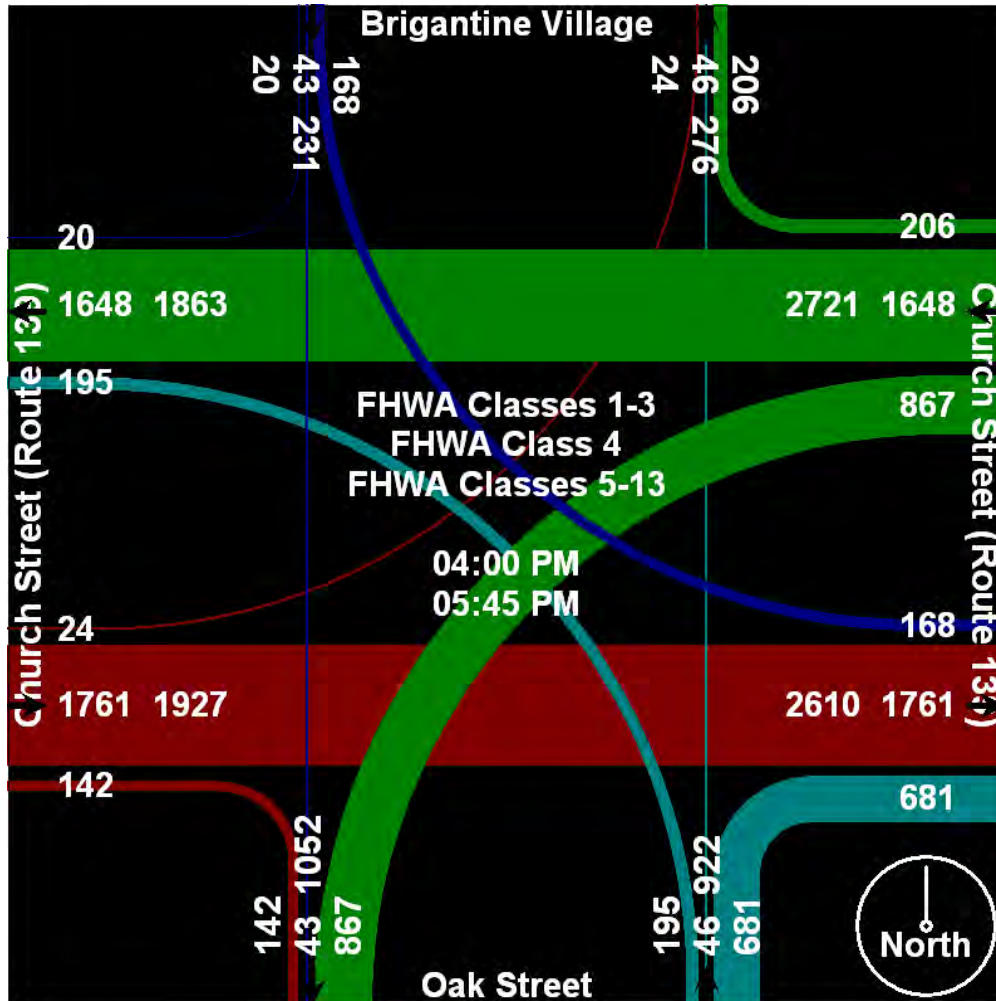




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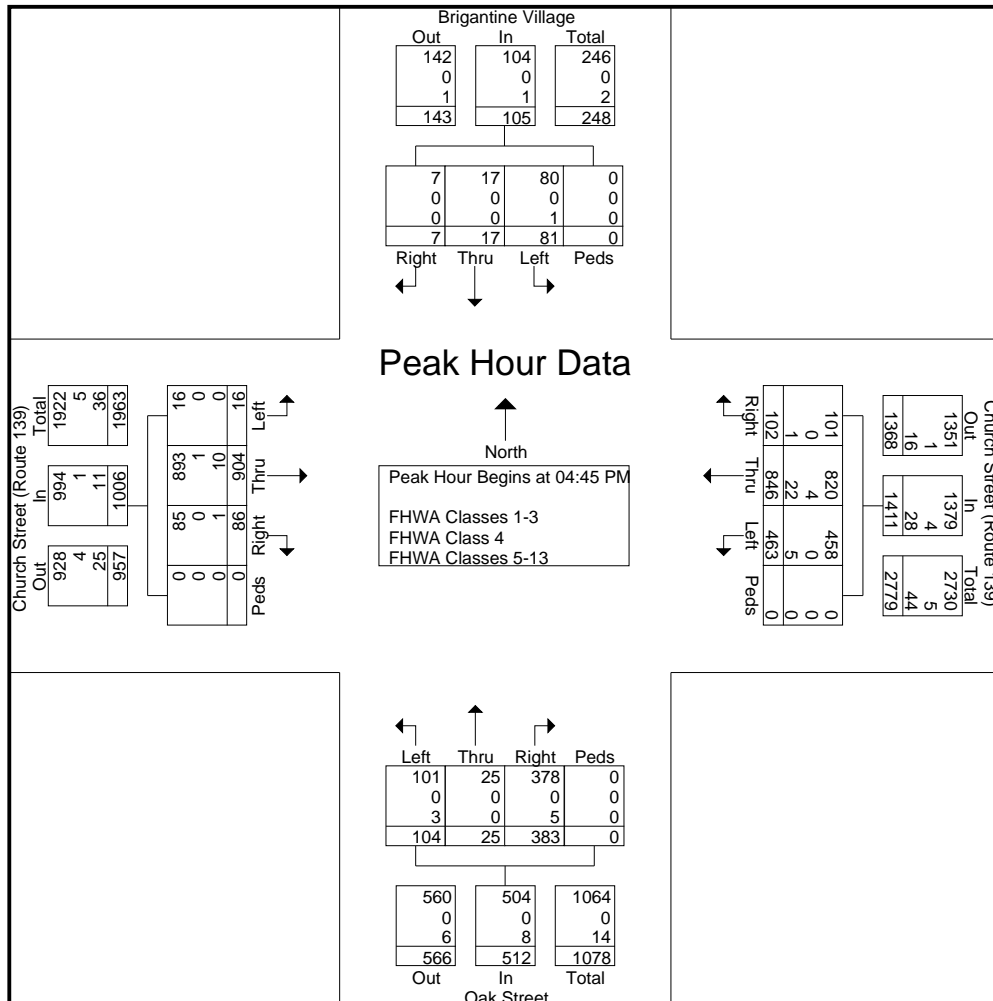


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Start Time	Brigantine Village Southbound					Church Street (Route 139) Westbound					Oak Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	22	5	2	0	29	121	224	28	0	373	23	11	101	0	135	1	206	18	0	225	762
05:00 PM	17	3	2	0	22	108	211	24	0	343	43	6	106	0	155	2	242	25	0	269	789
05:15 PM	24	2	1	0	27	134	211	24	0	369	28	2	97	0	127	6	213	22	0	241	764
05:30 PM	18	7	2	0	27	100	200	26	0	326	10	6	79	0	95	7	243	21	0	271	719
Total Volume	81	17	7	0	105	463	846	102	0	1411	104	25	383	0	512	16	904	86	0	1006	3034
% App. Total	77.1	16.2	6.7	0		32.8	60	7.2	0		20.3	4.9	74.8	0		1.6	89.9	8.5	0		
PHF	.844	.607	.875	.000	.905	.864	.944	.911	.000	.946	.605	.568	.903	.000	.826	.571	.930	.860	.000	.928	.961
FHWA Classes 1-3	80	17	7	0	104	458	820	101	0	1379	101	25	378	0	504	16	893	85	0	994	2981
% FHWA Classes 1-3	98.8	100	100	0	99.0	98.9	96.9	99.0	0	97.7	97.1	100	98.7	0	98.4	100	98.8	98.8	0	98.8	98.3
FHWA Class 4	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
% FHWA Class 4	0	0	0	0	0	0	0.5	0	0	0.3	0	0	0	0	0	0	0.1	0	0	0.1	0.2
FHWA Classes 5-13	1	0	0	0	1	5	22	1	0	28	3	0	5	0	8	0	10	1	0	11	48
% FHWA Classes 5-13	1.2	0	0	0	1.0	1.1	2.6	1.0	0	2.0	2.9	0	1.3	0	1.6	0	1.1	1.2	0	1.1	1.6

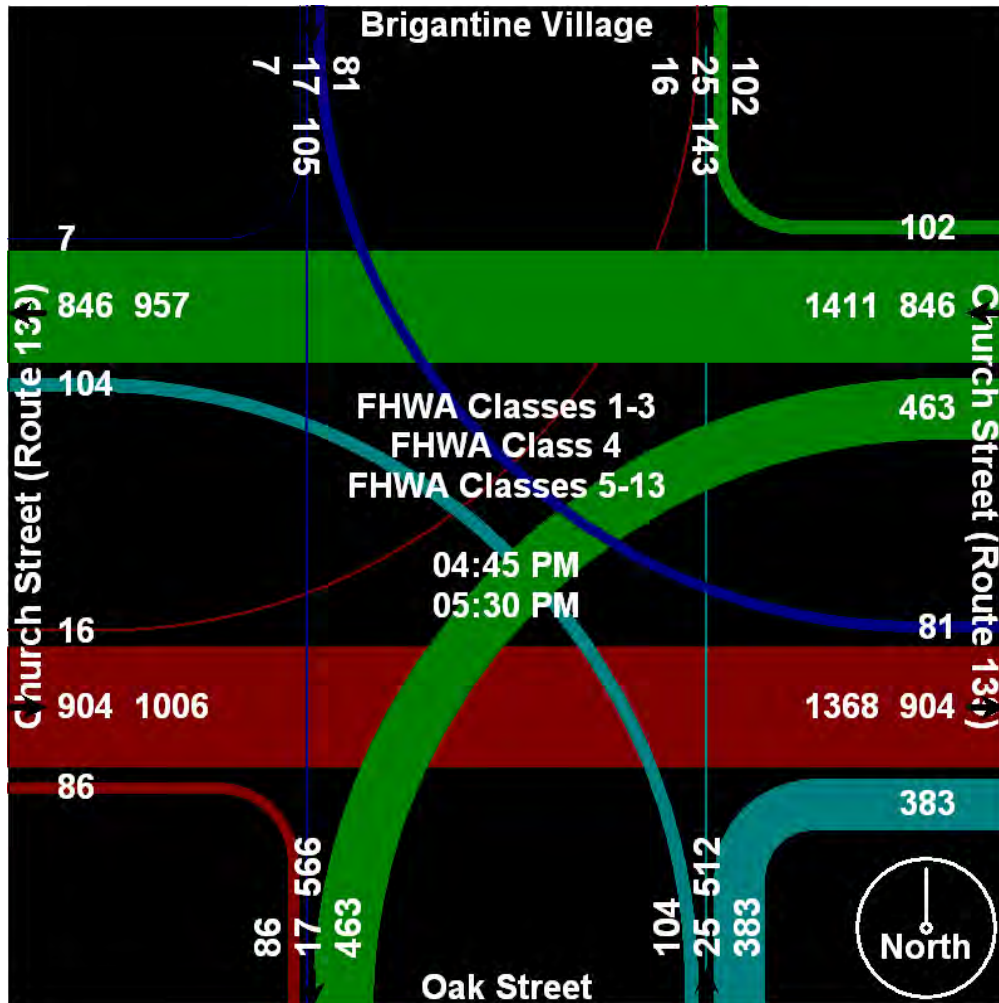




Old Colony Planning Council
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HCM Signalized Intersection Capacity Analysis
 12: Church Street (Route 139) & Brigantine Village




























2009 AM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95		0.97	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	0.98	1.00		0.96	1.00
Satd. Flow (prot)	1703	3354		3367	3420		1665	1713	1568		1828	1615
Flt Permitted	0.95	1.00		0.95	1.00		0.70	0.86	1.00		0.76	1.00
Satd. Flow (perm)	1703	3354		3367	3420		1227	1511	1568		1443	1615
Volume (vph)	9	664	75	325	682	74	77	35	410	50	14	5
Peak-hour factor, PHF	0.93	0.93	0.93	0.83	0.83	0.83	0.75	0.75	0.75	0.72	0.72	0.72
Adj. Flow (vph)	10	714	81	392	822	89	103	47	547	69	19	7
RTOR Reduction (vph)	0	15	0	0	12	0	0	0	175	0	0	5
Lane Group Flow (vph)	10	780	0	392	899	0	62	88	372	0	88	2
Heavy Vehicles (%)	6%	6%	6%	4%	4%	4%	3%	3%	3%	0%	0%	0%
Turn Type	Prot			Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2				6
Permitted Phases							2		2	6		6
Actuated Green, G (s)	0.8	18.6		8.0	25.8		16.4	16.4	16.4		16.4	16.4
Effective Green, g (s)	0.8	18.6		8.0	25.8		16.4	16.4	16.4		16.4	16.4
Actuated g/C Ratio	0.01	0.34		0.15	0.47		0.30	0.30	0.30		0.30	0.30
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	25	1134		490	1604		366	451	468		430	482
v/s Ratio Prot	0.01	c0.23		c0.12	0.26							
v/s Ratio Perm							0.05	0.06	c0.24		0.06	0.00
v/c Ratio	0.40	0.69		0.80	0.56		0.17	0.20	0.79		0.20	0.00
Uniform Delay, d1	26.9	15.7		22.7	10.5		14.3	14.4	17.7		14.4	13.6
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	10.2	1.8		9.1	0.5		1.0	1.0	13.0		1.1	0.0
Delay (s)	37.0	17.5		31.8	11.0		15.3	15.3	30.7		15.5	13.6
Level of Service	D	B		C	B		B	B	C		B	B
Approach Delay (s)		17.7			17.2			27.4			15.4	
Approach LOS		B			B			C			B	
Intersection Summary												
HCM Average Control Delay			19.8			HCM Level of Service			B			
HCM Volume to Capacity ratio			0.75									
Actuated Cycle Length (s)			55.0			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			59.6%			ICU Level of Service			B			
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 12: Church Street (Route 139) & Brigantine Village




























2009 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 		 	 			 			 	 
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95		0.97	0.95		0.95	0.95	1.00		1.00	1.00
Fr _t	1.00	0.99		1.00	0.98		1.00	1.00	0.85		1.00	0.85
Fl _t Protected	0.95	1.00		0.95	1.00		0.95	0.97	1.00		0.96	1.00
Satd. Flow (prot)	1787	3528		3433	3482		1681	1712	1583		1807	1599
Fl _t Permitted	0.95	1.00		0.95	1.00		0.69	0.76	1.00		0.71	1.00
Satd. Flow (perm)	1787	3528		3433	3482		1216	1353	1583		1335	1599
Volume (vph)	16	904	86	462	846	102	104	25	383	81	17	7
Peak-hour factor, PHF	0.93	0.93	0.93	0.95	0.95	0.95	0.83	0.83	0.83	0.91	0.91	0.91
Adj. Flow (vph)	17	972	92	486	891	107	125	30	461	89	19	8
RTOR Reduction (vph)	0	11	0	0	13	0	0	0	226	0	0	6
Lane Group Flow (vph)	17	1053	0	486	985	0	63	92	235	0	108	2
Heavy Vehicles (%)	1%	1%	1%	2%	2%	2%	2%	2%	2%	1%	1%	1%
Turn Type	Prot		Prot		Perm		Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2				6
Permitted Phases							2		2	6		6
Actuated Green, G (s)	0.8	23.6		10.8	33.6		13.6	13.6	13.6		13.6	13.6
Effective Green, g (s)	0.8	23.6		10.8	33.6		13.6	13.6	13.6		13.6	13.6
Actuated g/C Ratio	0.01	0.39		0.18	0.56		0.23	0.23	0.23		0.23	0.23
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	24	1388		618	1950		276	307	359		303	362
v/s Ratio Prot	0.01	c0.30		c0.14	0.28							
v/s Ratio Perm							0.05	0.07	c0.15		0.08	0.00
v/c Ratio	0.71	0.76		0.79	0.51		0.23	0.30	0.66		0.36	0.01
Uniform Delay, d ₁	29.5	15.7		23.5	8.1		18.9	19.2	21.1		19.5	18.0
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d ₂	65.6	2.4		6.5	0.2		1.9	2.5	9.0		3.3	0.0
Delay (s)	95.1	18.2		30.0	8.3		20.8	21.7	30.1		22.8	18.0
Level of Service	F	B		C	A		C	C	C		C	B
Approach Delay (s)		19.4			15.4			27.9			22.4	
Approach LOS		B			B			C			C	
Intersection Summary												
HCM Average Control Delay			19.3	HCM Level of Service				B				
HCM Volume to Capacity ratio			0.74									
Actuated Cycle Length (s)			60.0	Sum of lost time (s)				12.0				
Intersection Capacity Utilization			66.8%	ICU Level of Service				C				
Analysis Period (min)			15									

c Critical Lane Group




























HCM Signalized Intersection Capacity Analysis
 12: Church Street (Route 139) & Brigantine Village

Projected 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 		 	 			 			 	 
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95		0.97	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	0.98	1.00		0.96	1.00
Satd. Flow (prot)	1703	3354		3367	3420		1665	1712	1568		1828	1615
Flt Permitted	0.95	1.00		0.95	1.00		0.70	0.86	1.00		0.75	1.00
Satd. Flow (perm)	1703	3354		3367	3420		1221	1503	1568		1430	1615
Volume (vph)	9	664	75	325	682	74	77	35	410	50	14	5
Peak-hour factor, PHF	0.93	0.93	0.93	0.83	0.83	0.83	0.75	0.75	0.75	0.72	0.72	0.72
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	10	750	85	411	863	94	108	49	574	73	20	7
RTOR Reduction (vph)	0	15	0	0	13	0	0	0	172	0	0	5
Lane Group Flow (vph)	10	820	0	411	944	0	65	92	402	0	93	2
Heavy Vehicles (%)	6%	6%	6%	4%	4%	4%	3%	3%	3%	0%	0%	0%
Turn Type	Prot			Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2		6		6
Permitted Phases							2		2		6	6
Actuated Green, G (s)	0.8	18.7		8.0	25.9		16.3	16.3	16.3		16.3	16.3
Effective Green, g (s)	0.8	18.7		8.0	25.9		16.3	16.3	16.3		16.3	16.3
Actuated g/C Ratio	0.01	0.34		0.15	0.47		0.30	0.30	0.30		0.30	0.30
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	25	1140		490	1611		362	445	465		424	479
v/s Ratio Prot	0.01	c0.24		c0.12	0.28							
v/s Ratio Perm							0.05	0.06	c0.26		0.07	0.00
v/c Ratio	0.40	0.72		0.84	0.59		0.18	0.21	0.86		0.22	0.00
Uniform Delay, d1	26.9	15.9		22.9	10.6		14.4	14.5	18.3		14.6	13.6
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	10.2	2.2		11.9	0.5		1.1	1.1	18.8		1.2	0.0
Delay (s)	37.0	18.1		34.8	11.2		15.5	15.6	37.1		15.8	13.6
Level of Service	D	B		C	B		B	B	D		B	B
Approach Delay (s)		18.3		18.3			32.4				15.6	
Approach LOS		B		B			C				B	
Intersection Summary												
HCM Average Control Delay			21.6			HCM Level of Service			C			
HCM Volume to Capacity ratio			0.80									
Actuated Cycle Length (s)			55.0			Sum of lost time (s)			12.0			
Intersection Capacity Utilization			62.1%			ICU Level of Service			B			
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 12: Church Street (Route 139) & Brigantine Village

Projected 2014 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 		 	 			 			 	 
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95		0.97	0.95		0.95	0.95	1.00		1.00	1.00
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00		0.95	1.00		0.95	0.97	1.00		0.96	1.00
Satd. Flow (prot)	1787	3528		3433	3482		1681	1712	1583		1807	1599
Flt Permitted	0.95	1.00		0.95	1.00		0.68	0.76	1.00		0.70	1.00
Satd. Flow (perm)	1787	3528		3433	3482		1211	1340	1583		1317	1599
Volume (vph)	16	904	86	462	846	102	104	25	383	81	17	7
Peak-hour factor, PHF	0.93	0.93	0.93	0.95	0.95	0.95	0.83	0.83	0.83	0.91	0.91	0.91
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	18	1021	97	511	935	113	132	32	485	93	20	8
RTOR Reduction (vph)	0	11	0	0	13	0	0	0	225	0	0	6
Lane Group Flow (vph)	18	1107	0	511	1035	0	67	97	260	0	113	2
Heavy Vehicles (%)	1%	1%	1%	2%	2%	2%	2%	2%	2%	1%	1%	1%
Turn Type	Prot			Prot			Perm		Perm	Perm		Perm
Protected Phases	7	4		3	8			2		6		6
Permitted Phases							2		2			6
Actuated Green, G (s)	0.8	24.0		10.9	34.1		13.1	13.1	13.1		13.1	13.1
Effective Green, g (s)	0.8	24.0		10.9	34.1		13.1	13.1	13.1		13.1	13.1
Actuated g/C Ratio	0.01	0.40		0.18	0.57		0.22	0.22	0.22		0.22	0.22
Clearance Time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	24	1411		624	1979		264	293	346		288	349
v/s Ratio Prot	0.01	c0.31		c0.15	0.30							
v/s Ratio Perm							0.06	0.07	c0.16		0.09	0.00
v/c Ratio	0.75	0.78		0.82	0.52		0.25	0.33	0.75		0.39	0.01
Uniform Delay, d1	29.5	15.7		23.6	8.0		19.4	19.8	21.9		20.0	18.4
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	80.1	2.9		8.2	0.3		2.3	3.0	14.0		4.0	0.0
Delay (s)	109.6	18.7		31.8	8.2		21.7	22.8	35.9		24.0	18.4
Level of Service	F	B		C	A		C	C	D		C	B
Approach Delay (s)		20.1			16.0			32.5			23.7	
Approach LOS		C			B			C			C	
Intersection Summary												
HCM Average Control Delay			20.7			HCM Level of Service				C		
HCM Volume to Capacity ratio			0.78									
Actuated Cycle Length (s)			60.0			Sum of lost time (s)		12.0				
Intersection Capacity Utilization			69.7%			ICU Level of Service				C		
Analysis Period (min)			15									
c Critical Lane Group												

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : May-09

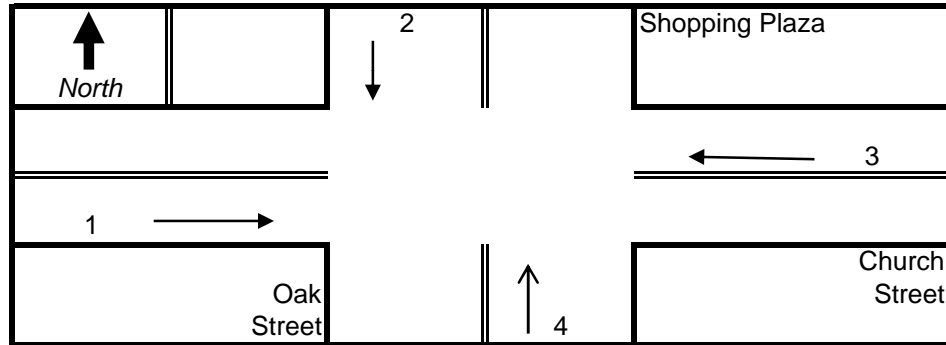
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : Oak Street / Brigantine Village

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	1,006	105	1,411	512		3,034

" K " FACTOR : **0.090** INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME : **33,711**

TOTAL # OF CRASHES : **30** # OF YEARS : **3** AVERAGE # OF CRASHES PER YEAR (A) : **10.00**

CRASH RATE CALCULATION :

0.81

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

Comments : _____

Project Title & Date: _____

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

Community: Pembroke
Weather: Clear
Board #: DB-400 (6)
Staff: BM

File Name : 231_Church(139)&Route3SBRamps_AM
Site Code : 231
Start Date : 5/19/2009
Page No : 1

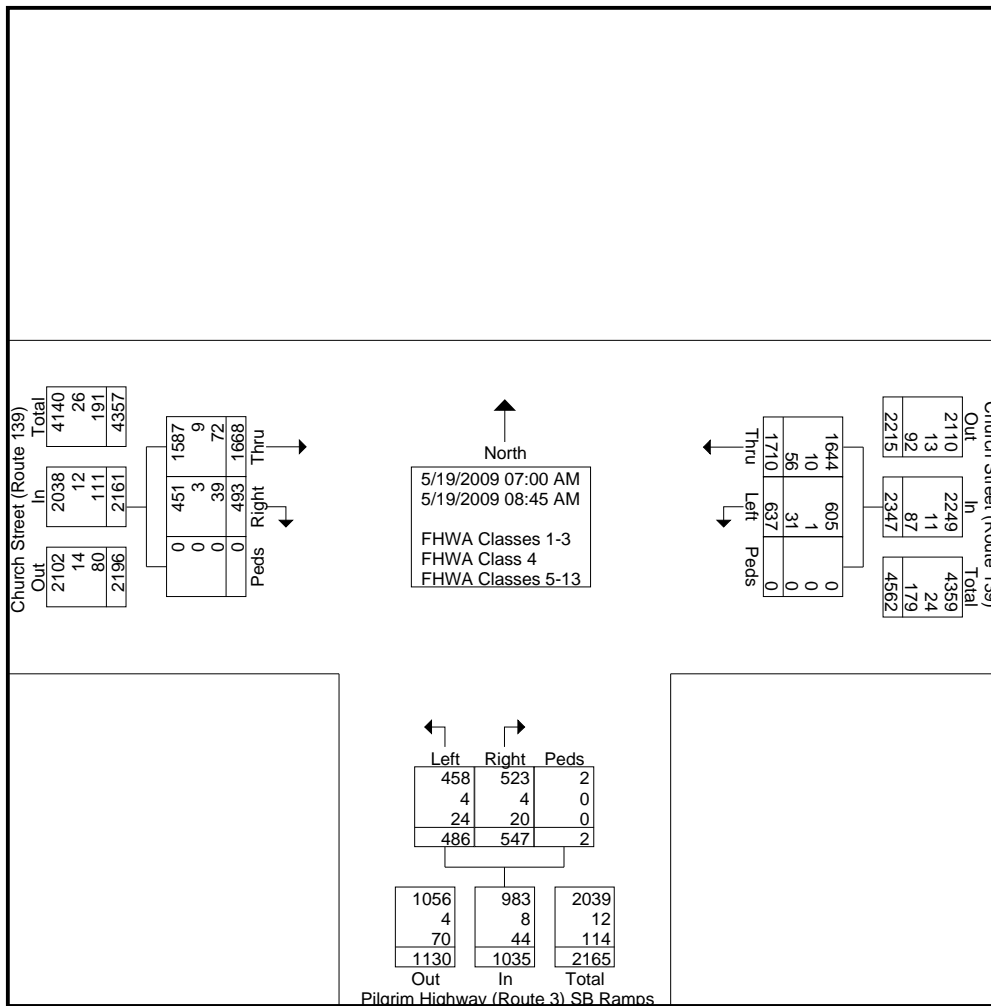
Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Church Street (Route 139) Westbound				Pilgrim Highway (Route 3) SB Ramps Northbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	62	176	0	238	47	60	0	107	204	62	0	266	611
07:15 AM	77	226	0	303	50	65	0	115	158	61	0	219	637
07:30 AM	107	232	0	339	73	65	2	140	220	59	0	279	758
07:45 AM	104	208	0	312	51	64	0	115	208	61	0	269	696
Total	350	842	0	1192	221	254	2	477	790	243	0	1033	2702
08:00 AM	84	194	0	278	71	102	0	173	220	62	0	282	733
08:15 AM	74	217	0	291	72	71	0	143	234	72	0	306	740
08:30 AM	61	192	0	253	54	58	0	112	193	59	0	252	617
08:45 AM	68	265	0	333	68	62	0	130	231	57	0	288	751
Total	287	868	0	1155	265	293	0	558	878	250	0	1128	2841
Grand Total	637	1710	0	2347	486	547	2	1035	1668	493	0	2161	5543
Apprch %	27.1	72.9	0		47	52.9	0.2		77.2	22.8	0		
Total %	11.5	30.8	0	42.3	8.8	9.9	0	18.7	30.1	8.9	0	39	
FHWA Classes 1-3	605	1644	0	2249	458	523	2	983	1587	451	0	2038	5270
% FHWA Classes 1-3	95	96.1	0	95.8	94.2	95.6	100	95	95.1	91.5	0	94.3	95.1
FHWA Class 4	1	10	0	11	4	4	0	8	9	3	0	12	31
% FHWA Class 4	0.2	0.6	0	0.5	0.8	0.7	0	0.8	0.5	0.6	0	0.6	0.6
FHWA Classes 5-13	31	56	0	87	24	20	0	44	72	39	0	111	242
% FHWA Classes 5-13	4.9	3.3	0	3.7	4.9	3.7	0	4.3	4.3	7.9	0	5.1	4.4

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

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BM

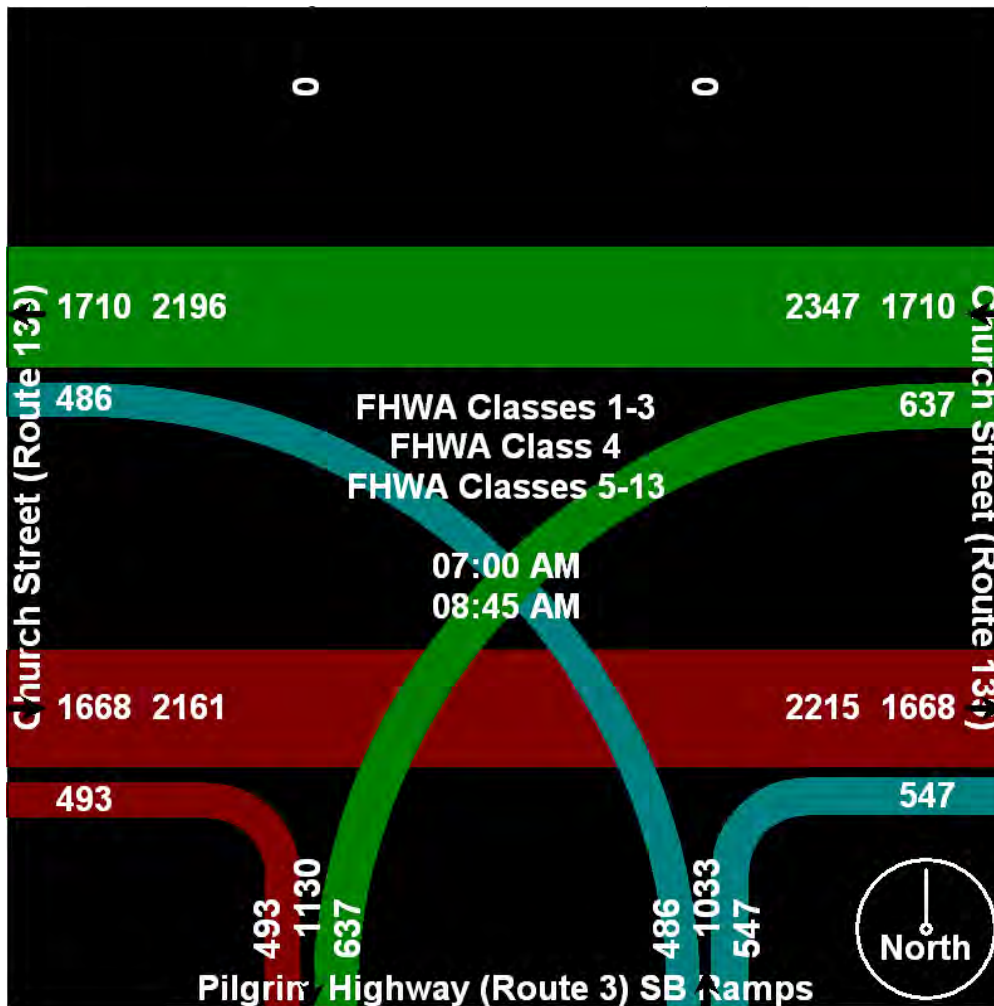
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 Site Code : 231
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Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-588-1130
Site Name : 231_Church(139)&Route3SBRamps_AM
Site Code : 231
Start Date : 5/19/2009
Page No : 3

Community: Pembroke
Weather: Clear
Board #: DB-400 (6)
Staff: BM

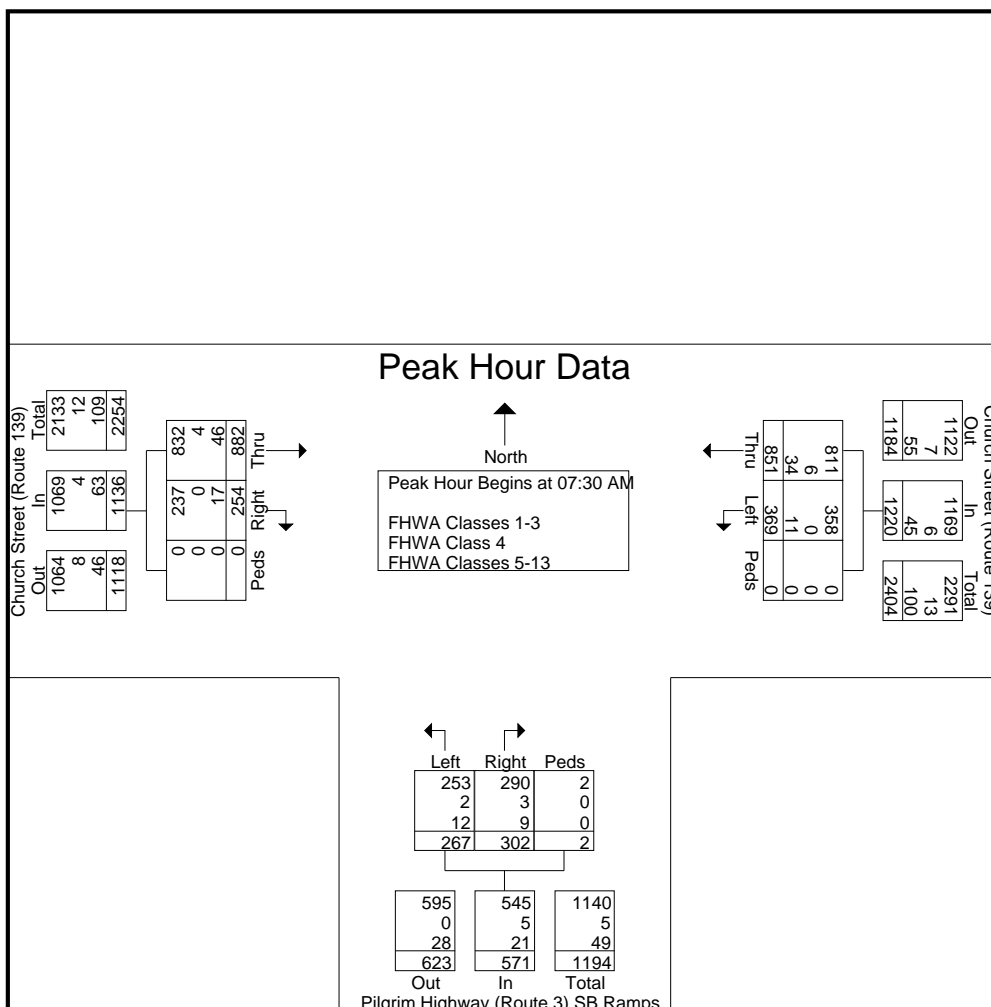


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (6)
 Staff: BM

File Name : 231_Church(139)&Route3SBRamps_AM
 Site Code : 231
 Start Date : 5/19/2009
 Page No : 4

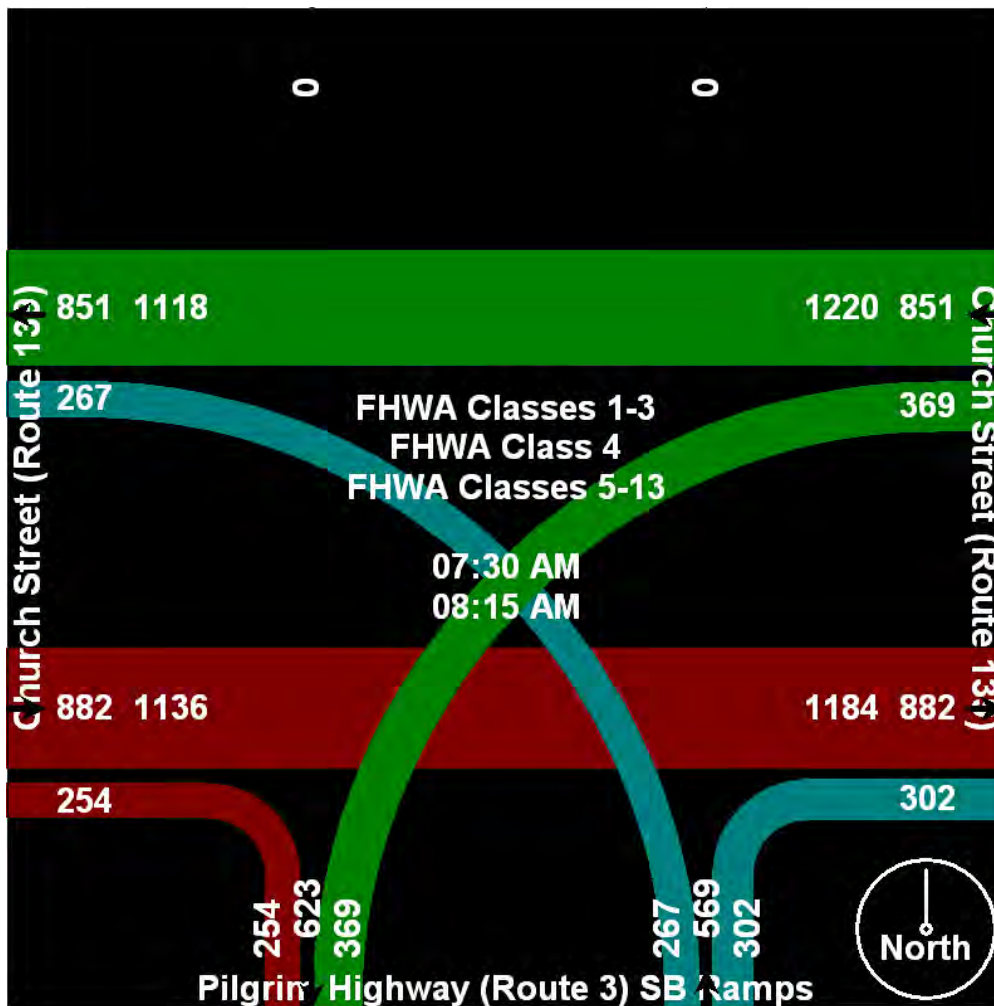
Start Time	Church Street (Route 139) Westbound				Pilgrim Highway (Route 3) SB Ramps Northbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	107	232	0	339	73	65	2	140	220	59	0	279	758
07:45 AM	104	208	0	312	51	64	0	115	208	61	0	269	696
08:00 AM	84	194	0	278	71	102	0	173	220	62	0	282	733
08:15 AM	74	217	0	291	72	71	0	143	234	72	0	306	740
Total Volume	369	851	0	1220	267	302	2	571	882	254	0	1136	2927
% App. Total	30.2	69.8	0		46.8	52.9	0.4		77.6	22.4	0		
PHF	.862	.917	.000	.900	.914	.740	.250	.825	.942	.882	.000	.928	.965
FHWA Classes 1-3	358	811	0	1169	253	290	2	545	832	237	0	1069	2783
% FHWA Classes 1-3	97.0	95.3	0	95.8	94.8	96.0	100	95.4	94.3	93.3	0	94.1	95.1
FHWA Class 4	0	6	0	6	2	3	0	5	4	0	0	4	15
% FHWA Class 4	0	0.7	0	0.5	0.7	1.0	0	0.9	0.5	0	0	0.4	0.5
FHWA Classes 5-13	11	34	0	45	12	9	0	21	46	17	0	63	129
% FHWA Classes 5-13	3.0	4.0	0	3.7	4.5	3.0	0	3.7	5.2	6.7	0	5.5	4.4



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

Community: Pembroke
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Site Code : 231
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Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833

www.ocpcrpa.org

File Name : 231_Church(139)&Route3SBRamps_PM

Site Code : 231

Start Date : 9/3/2009

Page No : 1

Community: Pembroke

Weather: Clear

Board #: DB-400 (3)

Staff: BH

Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Church Street (Route 139) Westbound				Pilgrim Highway (Route 3) SB Ramps Northbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	93	398	0	491	169	234	1	404	299	82	0	381	1276
04:15 PM	92	297	0	389	104	204	0	308	300	79	0	379	1076
04:30 PM	109	246	0	355	151	215	0	366	293	86	0	379	1100
04:45 PM	102	318	0	420	156	216	0	372	295	64	0	359	1151
Total	396	1259	0	1655	580	869	1	1450	1187	311	0	1498	4603
05:00 PM	150	350	0	500	161	253	0	414	311	82	0	393	1307
05:15 PM	179	304	0	483	154	248	0	402	255	87	0	342	1227
05:30 PM	158	346	0	504	179	287	0	466	320	80	0	400	1370
05:45 PM	96	275	1	372	142	219	0	361	301	69	0	370	1103
Total	583	1275	1	1859	636	1007	0	1643	1187	318	0	1505	5007
Grand Total	979	2534	1	3514	1216	1876	1	3093	2374	629	0	3003	9610
Apprch %	27.9	72.1	0		39.3	60.7	0		79.1	20.9	0		
Total %	10.2	26.4	0	36.6	12.7	19.5	0	32.2	24.7	6.5	0	31.2	
FHWA Classes 1-3	966	2498	0	3464	1202	1858	0	3060	2345	615	0	2960	9484
% FHWA Classes 1-3	98.7	98.6	0	98.6	98.8	99	0	98.9	98.8	97.8	0	98.6	98.7
FHWA Class 4	0	2	0	2	0	0	0	0	2	1	0	3	5
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0.1	0.2	0	0.1	0.1
FHWA Classes 5-13	13	34	1	48	14	18	1	33	27	13	0	40	121
% FHWA Classes 5-13	1.3	1.3	100	1.4	1.2	1	100	1.1	1.1	2.1	0	1.3	1.3

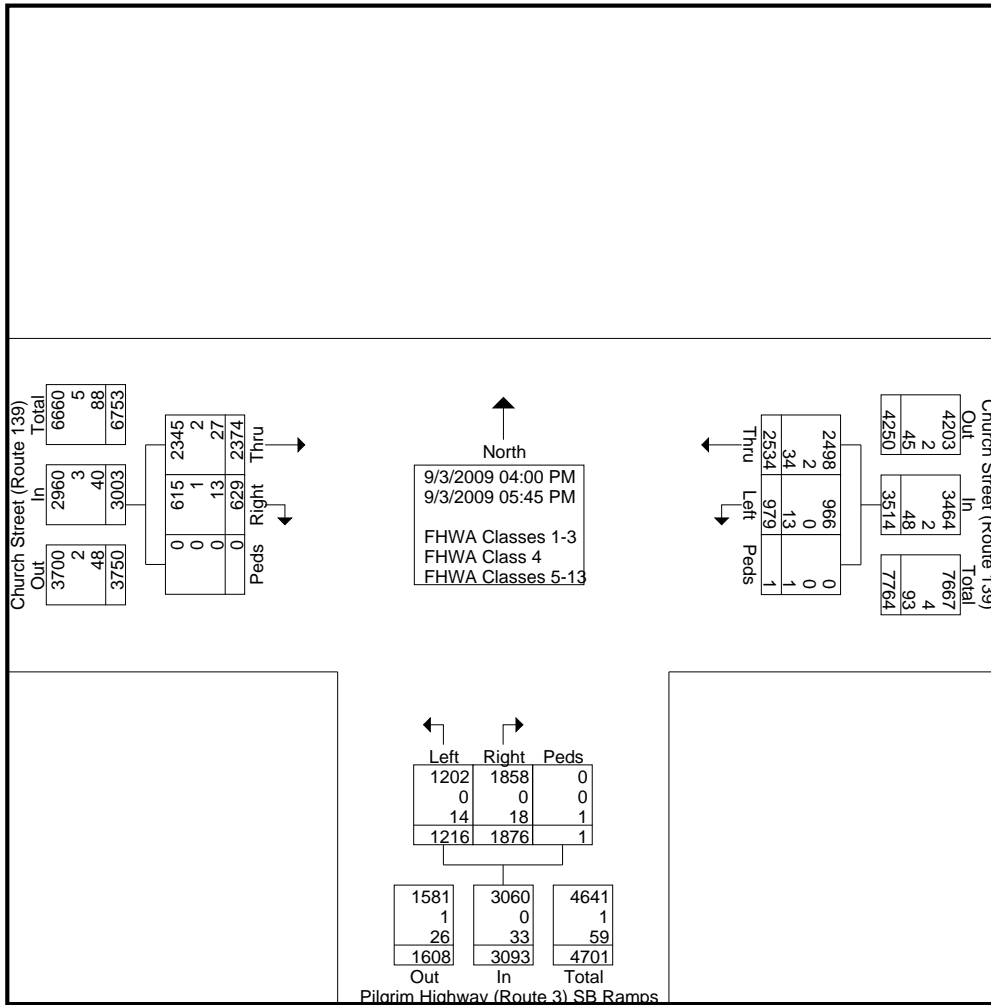


Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833
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File Name : 231_Church(139)&Route3SBRamps_PM
 Site Code : 231
 Start Date : 9/3/2009
 Page No : 2

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

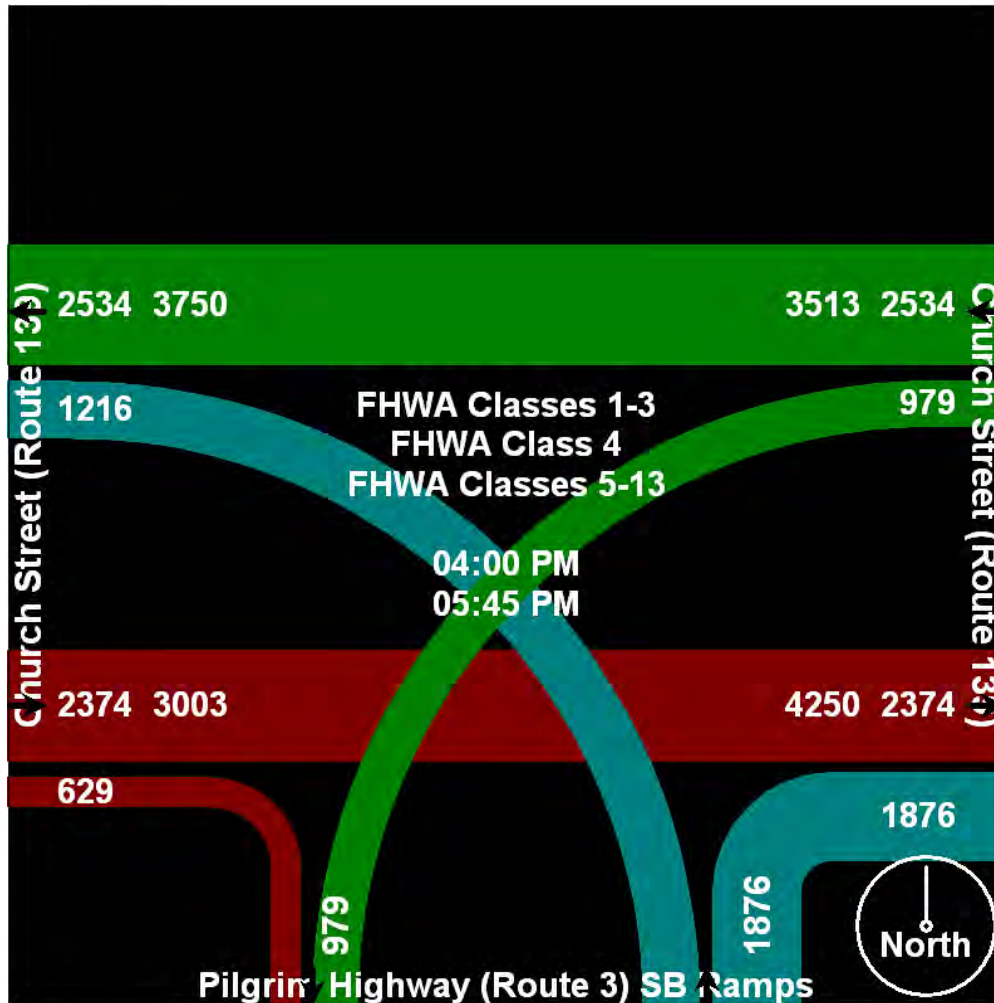




Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH

508-583-1833 File Name : 231_Church(139)&Route3SBRamps_PM
www.ocpcrpa.org Site Code : 231
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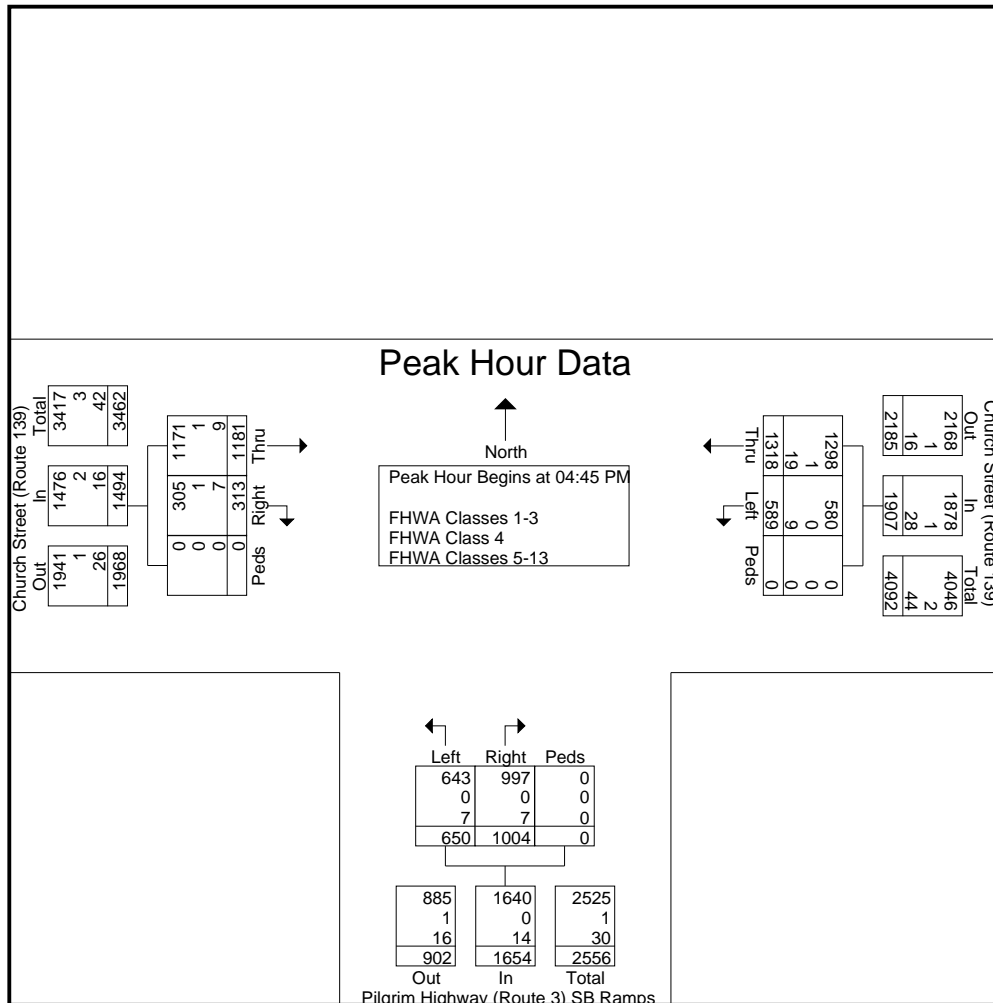
**Old Colony Planning Council
70 School Street
Brockton, MA 02301**

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH

**508-583-1833
www.ocpcrpa.org**

File Name : 231_Church(139)&Route3SBRamps_PM
Site Code : 231
Start Date : 9/3/2009
Page No : 4

Start Time	Church Street (Route 139) Westbound				Pilgrim Highway (Route 3) SB Ramps Northbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Thru	Peds	App. Total	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	102	318	0	420	156	216	0	372	295	64	0	359	1151
05:00 PM	150	350	0	500	161	253	0	414	311	82	0	393	1307
05:15 PM	179	304	0	483	154	248	0	402	255	87	0	342	1227
05:30 PM	158	346	0	504	179	287	0	466	320	80	0	400	1370
Total Volume	589	1318	0	1907	650	1004	0	1654	1181	313	0	1494	5055
% App. Total	30.9	69.1	0		39.3	60.7	0		79	21	0		
PHF	.823	.941	.000	.946	.908	.875	.000	.887	.923	.899	.000	.934	.922
FHWA Classes 1-3	580	1298	0	1878	643	997	0	1640	1171	305	0	1476	4994
% FHWA Classes 1-3	98.5	98.5	0	98.5	98.9	99.3	0	99.2	99.2	97.4	0	98.8	98.8
FHWA Class 4	0	1	0	1	0	0	0	0	1	1	0	2	3
% FHWA Class 4	0	0.1	0	0.1	0	0	0	0	0.1	0.3	0	0.1	0.1
FHWA Classes 5-13	9	19	0	28	7	7	0	14	9	7	0	16	58
% FHWA Classes 5-13	1.5	1.4	0	1.5	1.1	0.7	0	0.8	0.8	2.2	0	1.1	1.1



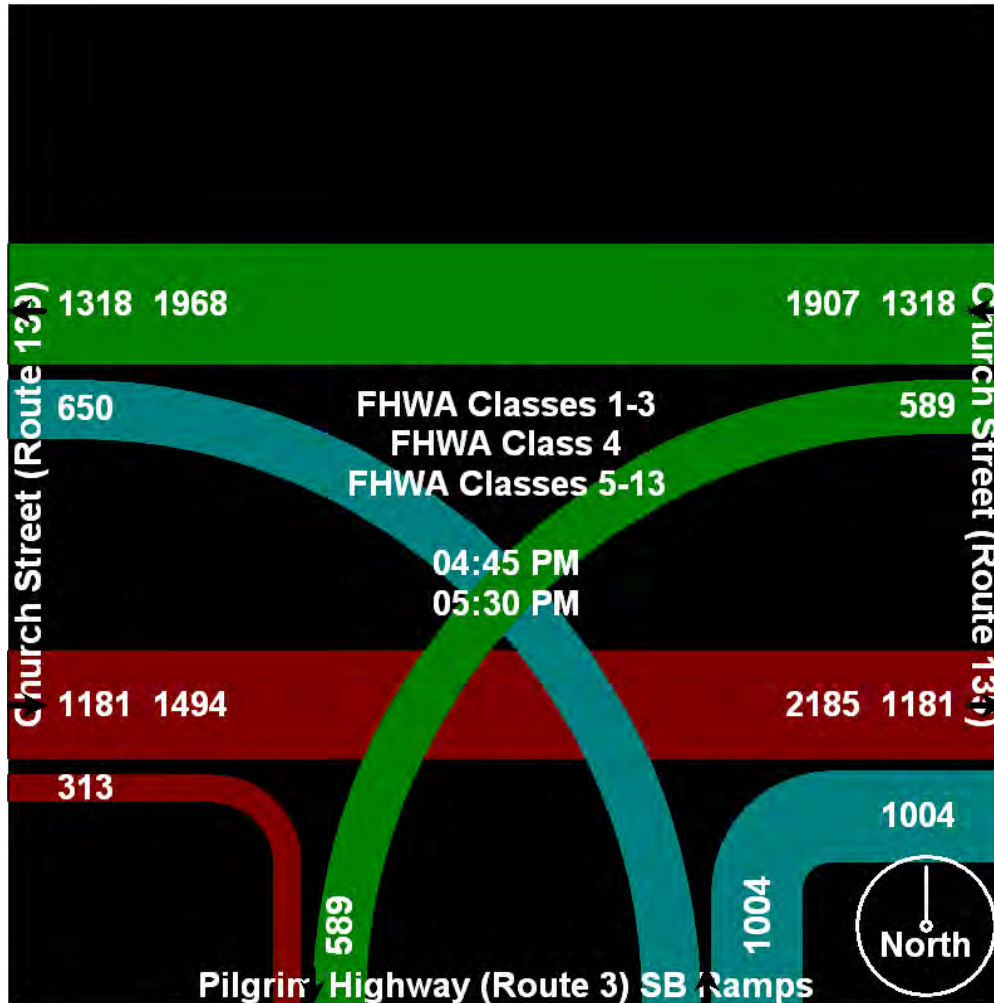


Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833
www.ocpcrpa.org

File Name : 231_Church(139)&Route3SBRamps_PM
Site Code : 231
Start Date : 9/3/2009
Page No : 5

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH



HCM Signalized Intersection Capacity Analysis
 15: Church Street (Route 139) & Route 3 SB

2009 AM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↘	↑↑	↘↙	↗↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0	4.0	4.0	4.0
Lane Util. Factor	0.95		1.00	0.95	0.97	0.88
Frt	0.97		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3291		1736	3471	3367	2733
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3291		1736	3471	3367	2733
Volume (vph)	882	254	369	851	267	302
Peak-hour factor, PHF	0.93	0.93	0.90	0.90	0.83	0.83
Adj. Flow (vph)	948	273	410	946	322	364
RTOR Reduction (vph)	30	0	0	0	0	0
Lane Group Flow (vph)	1191	0	410	946	322	364
Heavy Vehicles (%)	6%	6%	4%	4%	4%	4%
Turn Type			Prot		pm+ov	
Protected Phases	4		3	8	2	3
Permitted Phases						2
Actuated Green, G (s)	35.2		23.8	63.0	19.0	42.8
Effective Green, g (s)	35.2		23.8	63.0	19.0	42.8
Actuated g/C Ratio	0.39		0.26	0.70	0.21	0.48
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1287		459	2430	711	1421
v/s Ratio Prot	c0.36		c0.24	0.27	c0.10	0.07
v/s Ratio Perm						0.07
v/c Ratio	0.93		0.89	0.39	0.45	0.26
Uniform Delay, d1	26.1		31.9	5.6	31.0	14.1
Progression Factor	1.00		1.00	1.00	1.00	1.00
Incremental Delay, d2	11.3		19.3	0.1	2.1	0.1
Delay (s)	37.5		51.2	5.7	33.0	14.2
Level of Service	D		D	A	C	B
Approach Delay (s)	37.5			19.4	23.0	
Approach LOS	D			B	C	
Intersection Summary						
HCM Average Control Delay			26.9		HCM Level of Service	C
HCM Volume to Capacity ratio			0.80			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			70.6%		ICU Level of Service	C
Analysis Period (min)			15			
c Critical Lane Group						

HCM Signalized Intersection Capacity Analysis
 15: Church Street (Route 139) & Route 3 SB

2009 PM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↘	↑↑	↘↙	↗↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0	4.0	4.0	4.0
Lane Util. Factor	0.95		1.00	0.95	0.97	0.88
Frt	0.97		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3462		1770	3539	3467	2814
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3462		1770	3539	3467	2814
Volume (vph)	1181	313	589	1318	650	1004
Peak-hour factor, PHF	0.93	0.93	0.95	0.95	0.89	0.89
Adj. Flow (vph)	1270	337	620	1387	730	1128
RTOR Reduction (vph)	26	0	0	0	0	0
Lane Group Flow (vph)	1581	0	620	1387	730	1128
Heavy Vehicles (%)	1%	1%	2%	2%	1%	1%
Turn Type			Prot		pm+ov	
Protected Phases	4		3	8	2	3
Permitted Phases						2
Actuated Green, G (s)	36.0		25.0	65.0	17.0	42.0
Effective Green, g (s)	36.0		25.0	65.0	17.0	42.0
Actuated g/C Ratio	0.40		0.28	0.72	0.19	0.47
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1385		492	2556	655	1438
v/s Ratio Prot	c0.46		c0.35	0.39	c0.21	0.22
v/s Ratio Perm						0.18
v/c Ratio	1.14		1.26	0.54	1.11	0.78
Uniform Delay, d1	27.0		32.5	5.7	36.5	20.2
Progression Factor	1.00		1.12	1.42	1.00	1.00
Incremental Delay, d2	72.7		129.7	0.2	71.0	2.9
Delay (s)	99.7		166.2	8.3	107.5	23.1
Level of Service	F		F	A	F	C
Approach Delay (s)	99.7			57.1	56.2	
Approach LOS	F			E	E	
Intersection Summary						
HCM Average Control Delay			69.3		HCM Level of Service	E
HCM Volume to Capacity ratio			1.17			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			103.8%		ICU Level of Service	G
Analysis Period (min)			15			
c Critical Lane Group						

HCM Signalized Intersection Capacity Analysis
 15: Church Street (Route 139) & Route 3 SB

Projected 2014 AM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↘	↑↑	↘↙	↗↖
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0	4.0	4.0	4.0
Lane Util. Factor	0.95		1.00	0.95	0.97	0.88
Frt	0.97		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3291		1736	3471	3367	2733
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3291		1736	3471	3367	2733
Volume (vph)	882	254	369	851	267	302
Peak-hour factor, PHF	0.93	0.93	0.90	0.90	0.83	0.83
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	996	287	430	993	338	382
RTOR Reduction (vph)	30	0	0	0	0	0
Lane Group Flow (vph)	1253	0	430	993	338	382
Heavy Vehicles (%)	6%	6%	4%	4%	4%	4%
Turn Type			Prot		pm+ov	
Protected Phases	4		3	8	2	3
Permitted Phases						2
Actuated Green, G (s)	35.8		24.2	64.0	18.0	42.2
Effective Green, g (s)	35.8		24.2	64.0	18.0	42.2
Actuated g/C Ratio	0.40		0.27	0.71	0.20	0.47
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1309		467	2468	673	1403
v/s Ratio Prot	c0.38		c0.25	0.29	c0.10	0.07
v/s Ratio Perm						0.07
v/c Ratio	0.96		0.92	0.40	0.50	0.27
Uniform Delay, d1	26.4		32.0	5.3	32.0	14.6
Progression Factor	1.00		1.04	1.69	1.00	1.00
Incremental Delay, d2	15.7		12.3	0.0	2.7	0.1
Delay (s)	42.0		45.5	8.9	34.7	14.7
Level of Service	D		D	A	C	B
Approach Delay (s)	42.0			20.0	24.1	
Approach LOS	D			B	C	
Intersection Summary						
HCM Average Control Delay			29.1		HCM Level of Service	C
HCM Volume to Capacity ratio			0.84			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			73.6%		ICU Level of Service	D
Analysis Period (min)			15			
c Critical Lane Group						

HCM Signalized Intersection Capacity Analysis
 15: Church Street (Route 139) & Route 3 SB

Projected 2014 PM Peak Hour LOS

	→	↘	↙	←	↖	↗
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↘	↑↑	↘↙	↗↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0	4.0	4.0	4.0
Lane Util. Factor	0.95		1.00	0.95	0.97	0.88
Frt	0.97		1.00	1.00	1.00	0.85
Flt Protected	1.00		0.95	1.00	0.95	1.00
Satd. Flow (prot)	3462		1770	3539	3467	2814
Flt Permitted	1.00		0.95	1.00	0.95	1.00
Satd. Flow (perm)	3462		1770	3539	3467	2814
Volume (vph)	1181	313	589	1318	650	1004
Peak-hour factor, PHF	0.93	0.93	0.95	0.95	0.89	0.89
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	1333	353	651	1457	767	1184
RTOR Reduction (vph)	26	0	0	0	0	0
Lane Group Flow (vph)	1660	0	651	1457	767	1184
Heavy Vehicles (%)	1%	1%	2%	2%	1%	1%
Turn Type			Prot		pm+ov	
Protected Phases	4		3	8	2	3
Permitted Phases						2
Actuated Green, G (s)	36.0		25.0	65.0	17.0	42.0
Effective Green, g (s)	36.0		25.0	65.0	17.0	42.0
Actuated g/C Ratio	0.40		0.28	0.72	0.19	0.47
Clearance Time (s)	4.0		4.0	4.0	4.0	4.0
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0
Lane Grp Cap (vph)	1385		492	2556	655	1438
v/s Ratio Prot	c0.48		c0.37	0.41	c0.22	0.23
v/s Ratio Perm						0.19
v/c Ratio	1.20		1.32	0.57	1.17	0.82
Uniform Delay, d1	27.0		32.5	5.9	36.5	20.8
Progression Factor	1.00		1.11	1.44	1.00	1.00
Incremental Delay, d2	96.5		156.0	0.2	92.6	4.0
Delay (s)	123.5		192.2	8.7	129.1	24.7
Level of Service	F		F	A	F	C
Approach Delay (s)	123.5			65.4	65.8	
Approach LOS	F			E	E	
Intersection Summary						
HCM Average Control Delay			82.6		HCM Level of Service	F
HCM Volume to Capacity ratio			1.23			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			108.5%		ICU Level of Service	G
Analysis Period (min)			15			
c Critical Lane Group						

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-09

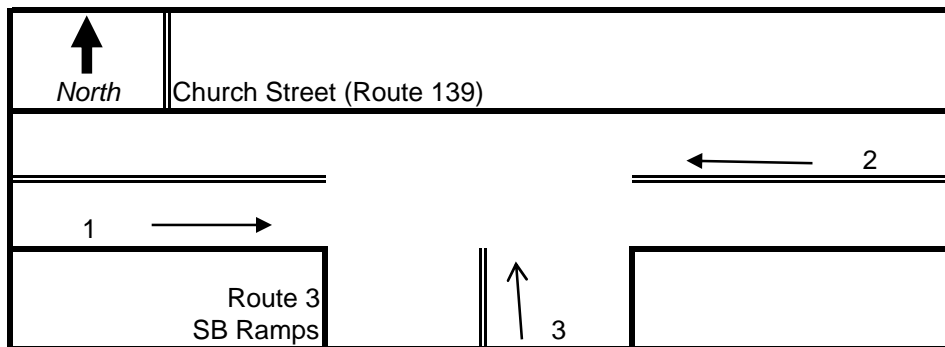
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : Route 3 SB Ramps

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	WB	NB			
PEAK HOURLY VOLUMES (AM/PM) :	1,494	1,907	1,854			5,255

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

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

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

Comments : _____

Project Title & Date: _____



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 Start Date : 10/8/2009
 Page No : 1

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

Groups Printed- 3 - FHWA Class 4 - 13

Start Time	Pilgrim Highway (Route 3) NB Ramps Southbound				Church Street (Route 139) Westbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	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	67	51	0	118	188	266	0	454	106	153	0	259	831
07:15 AM	87	57	0	144	199	237	0	436	114	150	0	264	844
07:30 AM	89	48	0	137	205	227	2	434	95	167	0	262	833
07:45 AM	120	80	1	201	229	217	0	446	90	208	0	298	945
Total	363	236	1	600	821	947	2	1770	405	678	0	1083	3453
08:00 AM	117	78	0	195	213	218	0	431	92	164	0	256	882
08:15 AM	110	74	2	186	236	189	1	426	72	193	0	265	877
08:30 AM	95	60	0	155	262	181	0	443	72	203	0	275	873
08:45 AM	96	74	0	170	228	219	1	448	100	186	0	286	904
Total	418	286	2	706	939	807	2	1748	336	746	0	1082	3536
Grand Total	781	522	3	1306	1760	1754	4	3518	741	1424	0	2165	6989
Apprch %	59.8	40	0.2		50	49.9	0.1		34.2	65.8	0		
Total %	11.2	7.5	0	18.7	25.2	25.1	0.1	50.3	10.6	20.4	0	31	
FHWA Classes 1-3	760	499	3	1262	1720	1727	4	3451	733	1373	0	2106	6819
% FHWA Classes 1-3	97.3	95.6	100	96.6	97.7	98.5	100	98.1	98.9	96.4	0	97.3	97.6
FHWA Class 4	2	1	0	3	6	1	0	7	0	1	0	1	11
% FHWA Class 4	0.3	0.2	0	0.2	0.3	0.1	0	0.2	0	0.1	0	0	0.2
FHWA Classes 5-13	19	22	0	41	34	26	0	60	8	50	0	58	159
% FHWA Classes 5-13	2.4	4.2	0	3.1	1.9	1.5	0	1.7	1.1	3.5	0	2.7	2.3

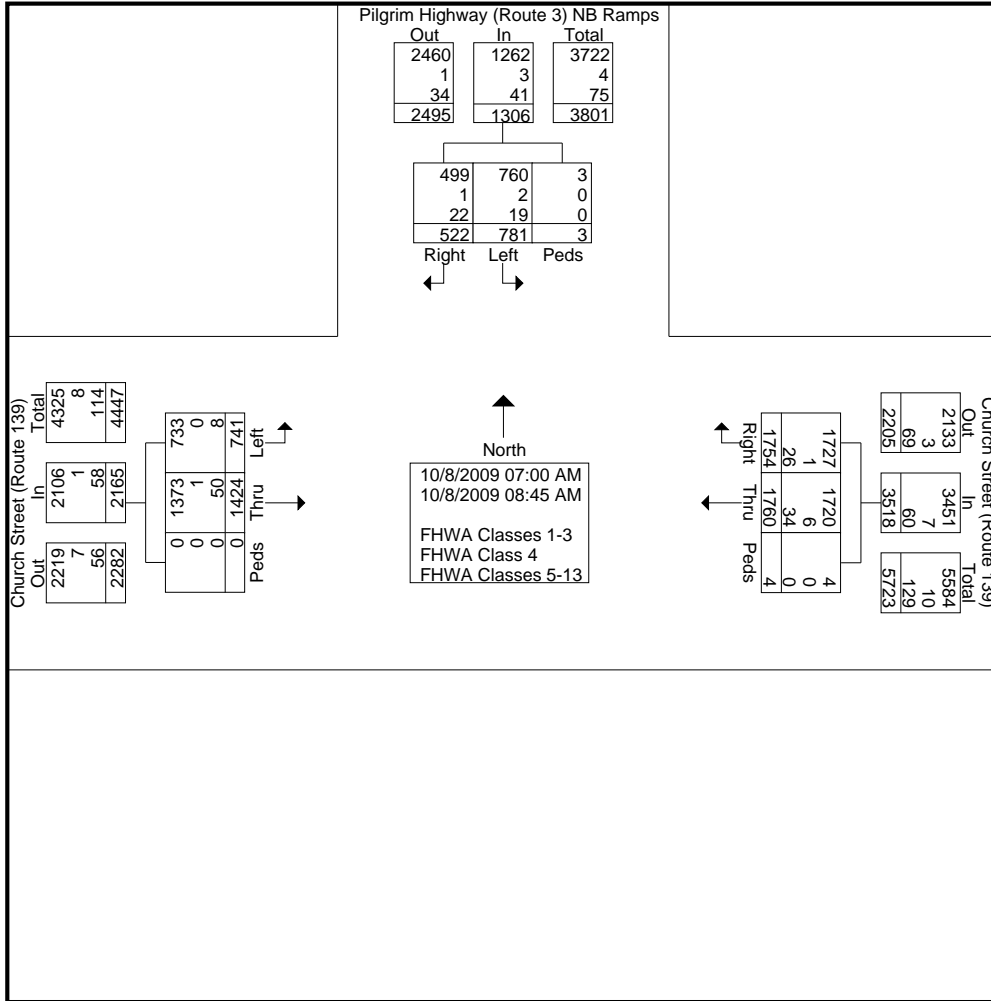


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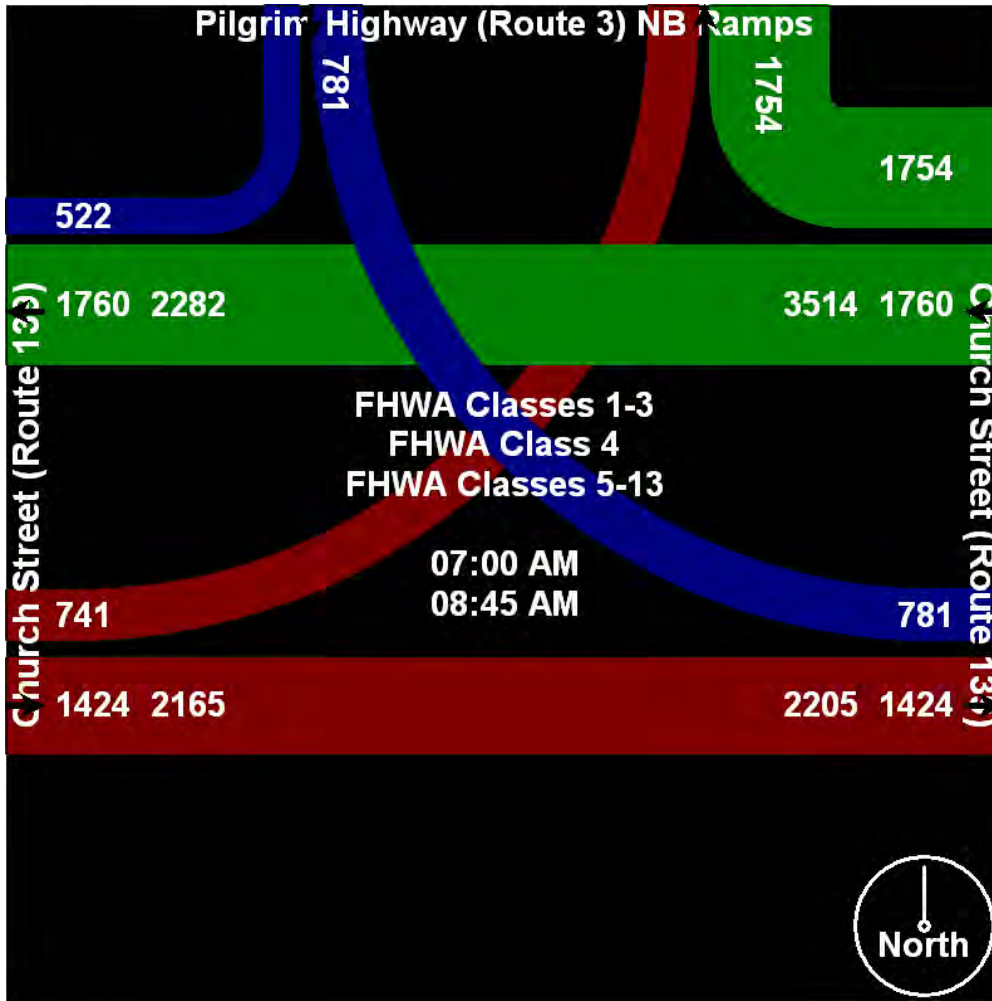




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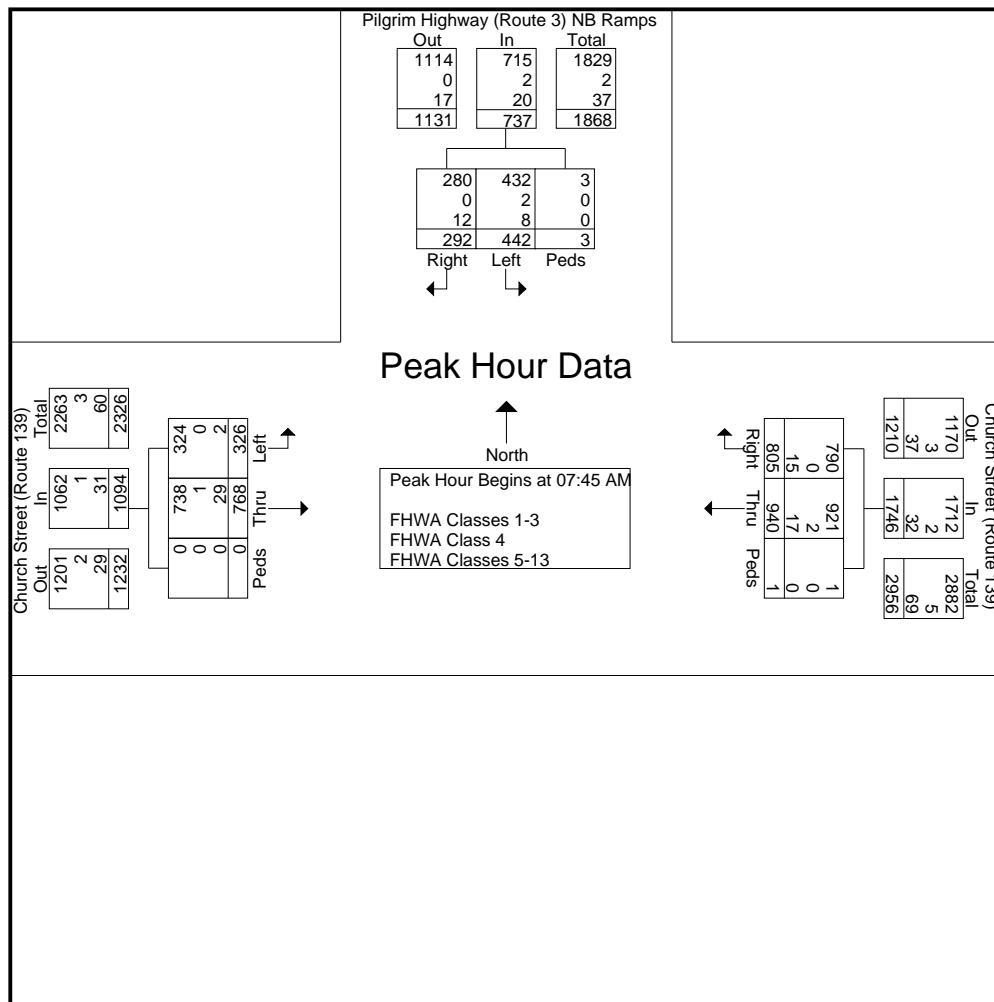
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Weather: Clear

Board #: DB-400 (3)

Staff: BH

Start Time	Pilgrim Highway (Route 3) NB Ramps Southbound				Church Street (Route 139) Westbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	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 07:45 AM													
07:45 AM	120	80	1	201	229	217	0	446	90	208	0	298	945
08:00 AM	117	78	0	195	213	218	0	431	92	164	0	256	882
08:15 AM	110	74	2	186	236	189	1	426	72	193	0	265	877
08:30 AM	95	60	0	155	262	181	0	443	72	203	0	275	873
Total Volume	442	292	3	737	940	805	1	1746	326	768	0	1094	3577
% App. Total	60	39.6	0.4		53.8	46.1	0.1		29.8	70.2	0		
PHF	.921	.913	.375	.917	.897	.923	.250	.979	.886	.923	.000	.918	.946
FHWA Classes 1-3	432	280	3	715	921	790	1	1712	324	738	0	1062	3489
% FHWA Classes 1-3	97.7	95.9	100	97.0	98.0	98.1	100	98.1	99.4	96.1	0	97.1	97.5
FHWA Class 4	2	0	0	2	2	0	0	2	0	1	0	1	5
% FHWA Class 4	0.5	0	0	0.3	0.2	0	0	0.1	0	0.1	0	0.1	0.1
FHWA Classes 5-13	8	12	0	20	17	15	0	32	2	29	0	31	83
% FHWA Classes 5-13	1.8	4.1	0	2.7	1.8	1.9	0	1.8	0.6	3.8	0	2.8	2.3



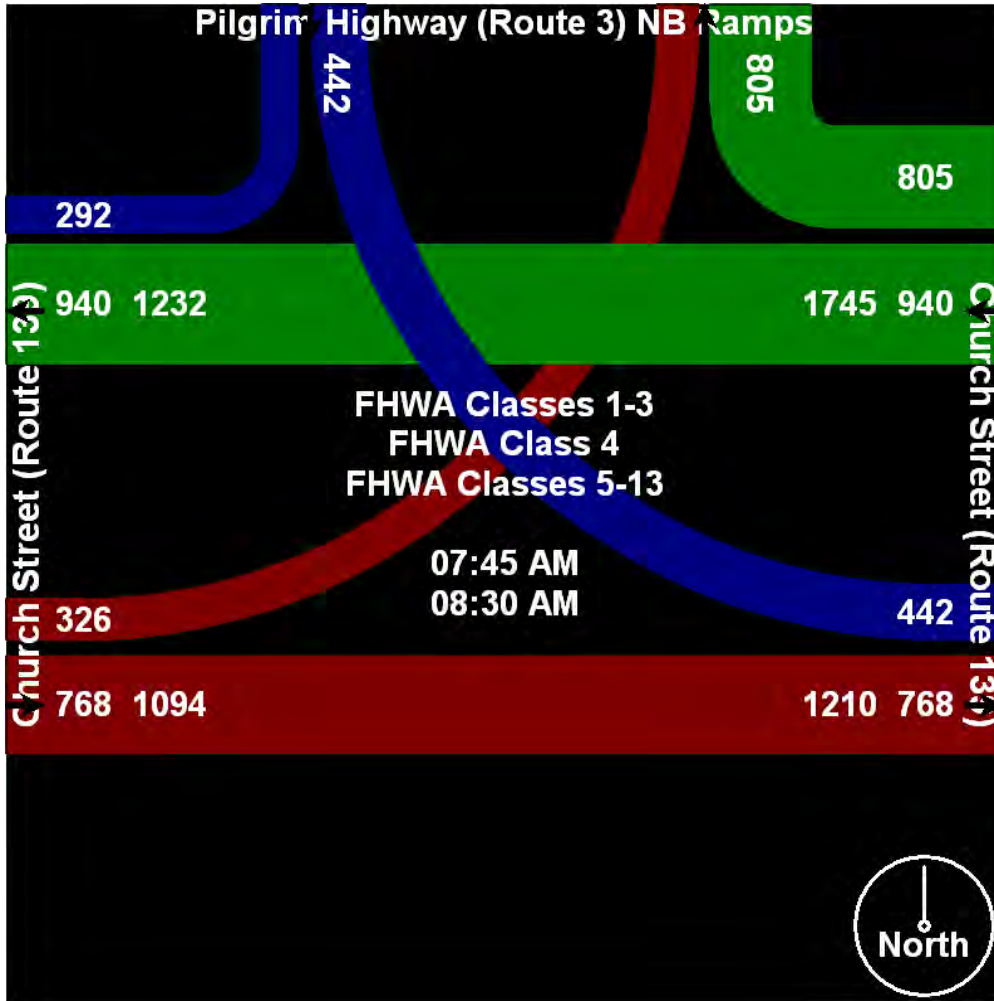


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Start Time	Pilgrim Highway (Route 3) NB Ramps Southbound				Church Street (Route 139) Westbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	42	64	0	106	296	92	0	388	68	345	0	413	907
04:15 PM	70	72	0	142	275	97	0	372	54	361	0	415	929
04:30 PM	80	44	0	124	309	122	1	432	52	368	0	420	976
04:45 PM	38	61	0	99	288	106	0	394	54	366	0	420	913
Total	230	241	0	471	1168	417	1	1586	228	1440	0	1668	3725
05:00 PM	77	52	0	129	290	142	0	432	68	402	0	470	1031
05:15 PM	71	51	0	122	291	119	0	410	51	419	0	470	1002
05:30 PM	80	39	0	119	283	85	0	368	58	489	0	547	1034
05:45 PM	68	35	0	103	243	97	0	340	54	497	0	551	994
Total	296	177	0	473	1107	443	0	1550	231	1807	0	2038	4061
Grand Total	526	418	0	944	2275	860	1	3136	459	3247	0	3706	7786
Apprch %	55.7	44.3	0		72.5	27.4	0		12.4	87.6	0		
Total %	6.8	5.4	0	12.1	29.2	11	0	40.3	5.9	41.7	0	47.6	
FHWA Classes 1-3	519	402	0	921	2246	855	1	3102	451	3221	0	3672	7695
% FHWA Classes 1-3	98.7	96.2	0	97.6	98.7	99.4	100	98.9	98.3	99.2	0	99.1	98.8
FHWA Class 4	2	3	0	5	5	0	0	5	1	1	0	2	12
% FHWA Class 4	0.4	0.7	0	0.5	0.2	0	0	0.2	0.2	0	0	0.1	0.2
FHWA Classes 5-13	5	13	0	18	24	5	0	29	7	25	0	32	79
% FHWA Classes 5-13	1	3.1	0	1.9	1.1	0.6	0	0.9	1.5	0.8	0	0.9	1

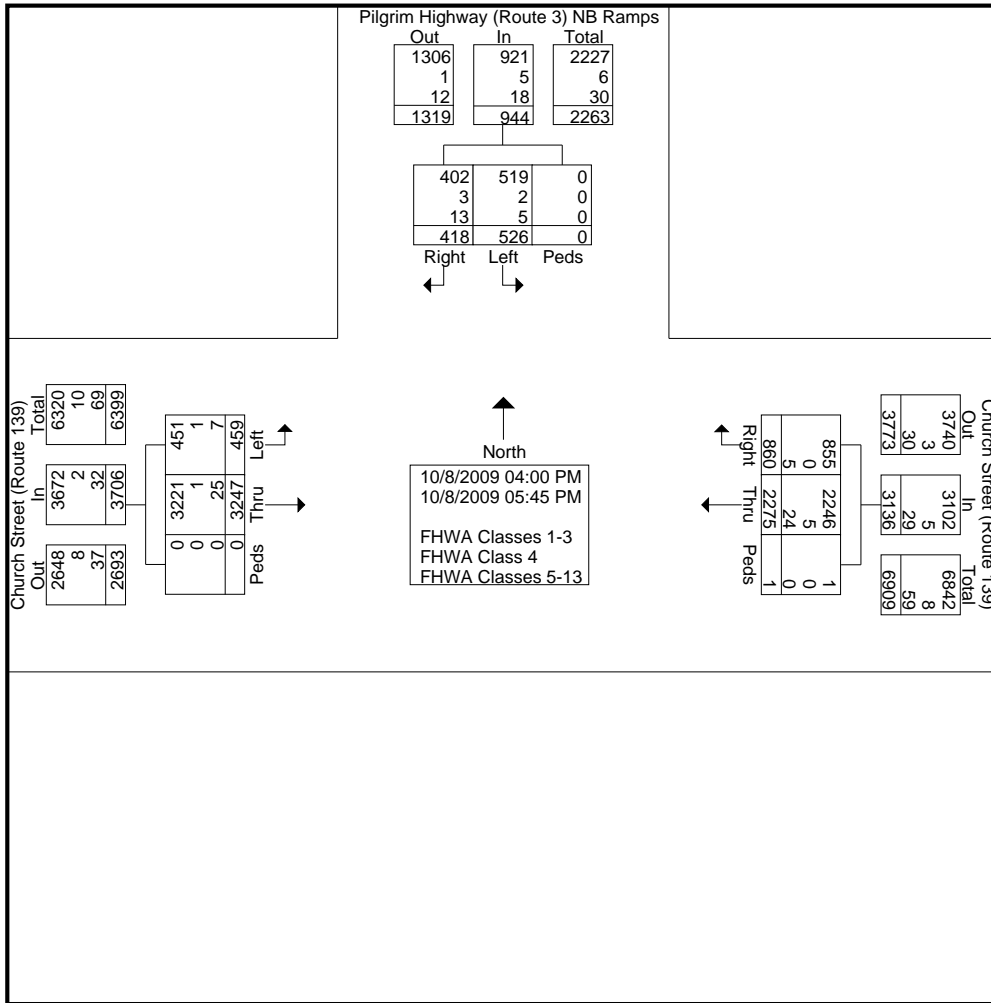


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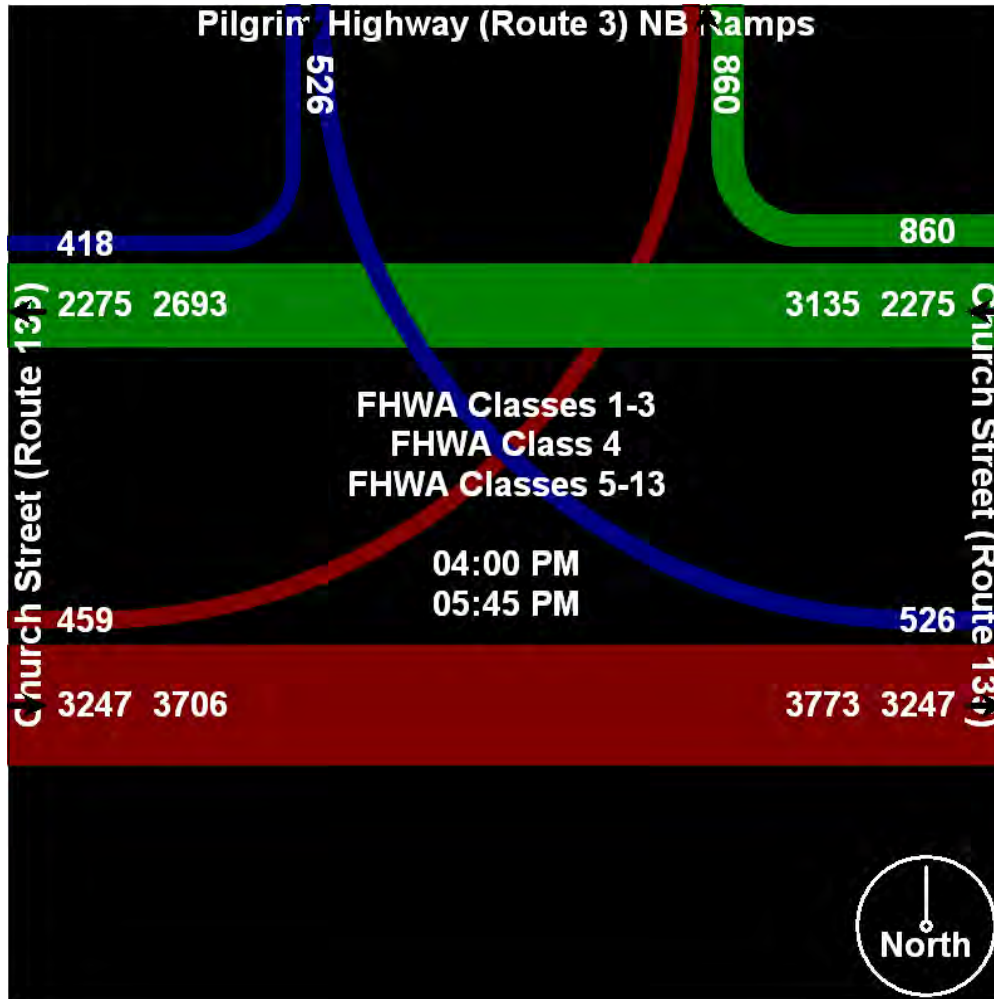




Old Colony Planning Council
70 School Street
Brockton, MA 02301

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH

508-583-1833 File Name : 231_Church(139)&Route3NBRamps_PM
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Start Date : 10/8/2009
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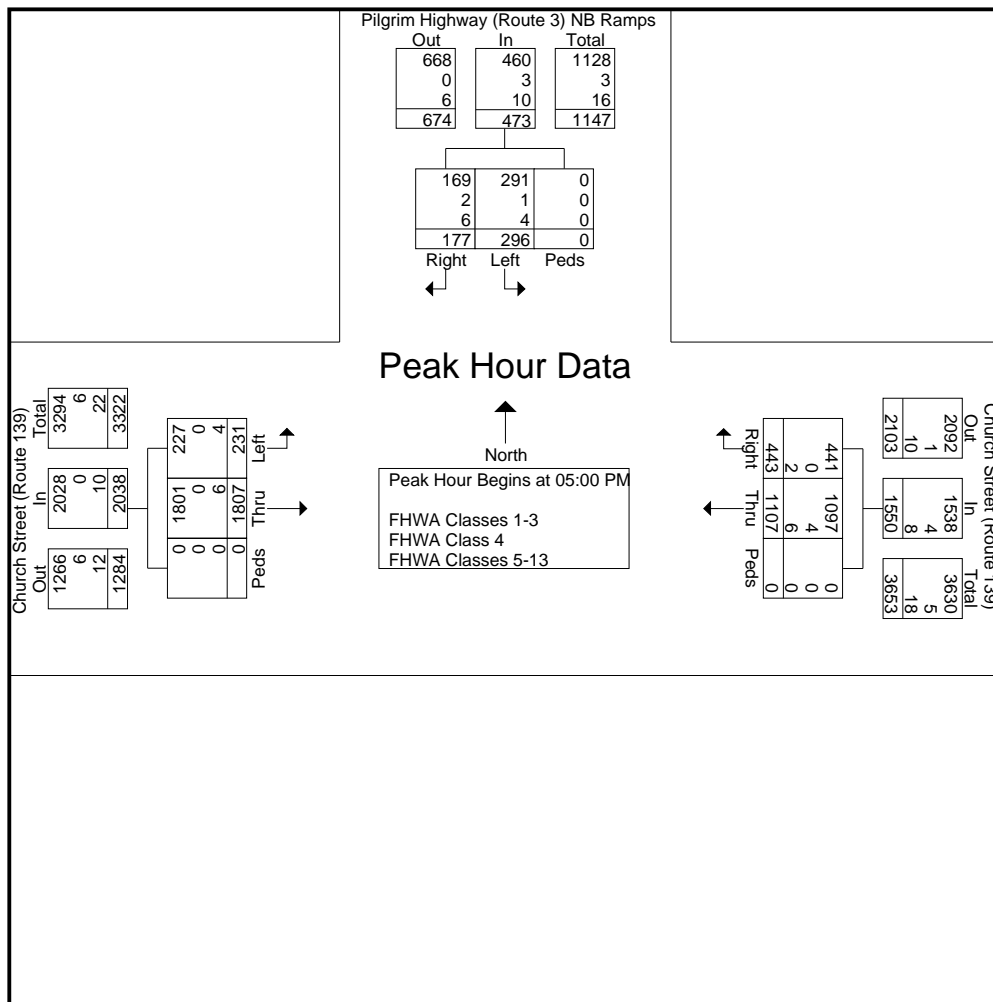
Old Colony Planning Council
70 School Street
Brockton, MA 02301

508-583-1833
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File Name : 231_Church(139)&Route3NBRamps_PM
 Site Code : 231
 Start Date : 10/8/2009
 Page No : 4

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

Start Time	Pilgrim Highway (Route 3) NB Ramps Southbound				Church Street (Route 139) Westbound				Church Street (Route 139) Eastbound				Int. Total
	Left	Right	Peds	App. Total	Thru	Right	Peds	App. Total	Left	Thru	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	77	52	0	129	290	142	0	432	68	402	0	470	1031
05:15 PM	71	51	0	122	291	119	0	410	51	419	0	470	1002
05:30 PM	80	39	0	119	283	85	0	368	58	489	0	547	1034
05:45 PM	68	35	0	103	243	97	0	340	54	497	0	551	994
Total Volume	296	177	0	473	1107	443	0	1550	231	1807	0	2038	4061
% App. Total	62.6	37.4	0		71.4	28.6	0		11.3	88.7	0		
PHF	.925	.851	.000	.917	.951	.780	.000	.897	.849	.909	.000	.925	.982
FHWA Classes 1-3	291	169	0	460	1097	441	0	1538	227	1801	0	2028	4026
% FHWA Classes 1-3	98.3	95.5	0	97.3	99.1	99.5	0	99.2	98.3	99.7	0	99.5	99.1
FHWA Class 4	1	2	0	3	4	0	0	4	0	0	0	0	7
% FHWA Class 4	0.3	1.1	0	0.6	0.4	0	0	0.3	0	0	0	0	0.2
FHWA Classes 5-13	4	6	0	10	6	2	0	8	4	6	0	10	28
% FHWA Classes 5-13	1.4	3.4	0	2.1	0.5	0.5	0	0.5	1.7	0.3	0	0.5	0.7



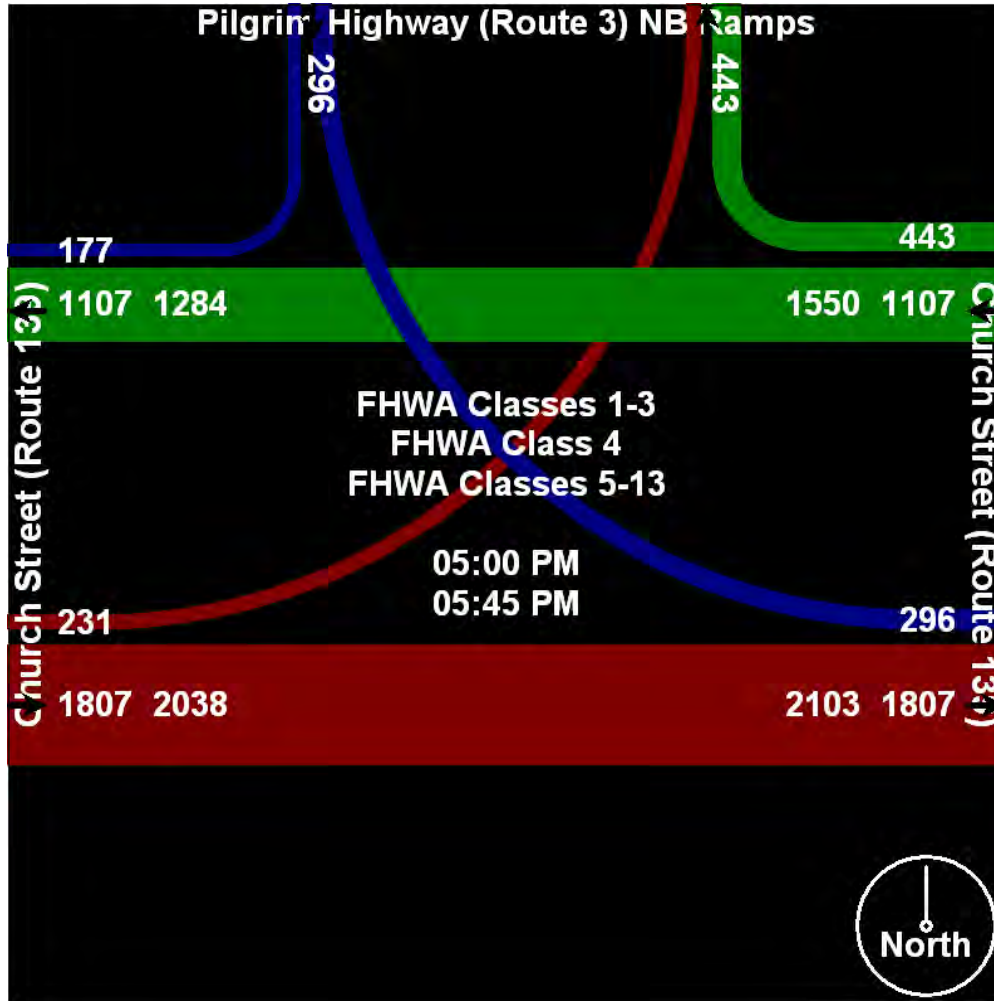


Old Colony Planning Council
70 School Street
Brockton, MA 02301

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File Name : 231_Church(139)&Route3NBRamps_PM
Site Code : 231
Start Date : 10/8/2009
Page No : 5

Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
Staff: BH



HCM Signalized Intersection Capacity Analysis
 17: Church Street (Route 139) & Route 3 NB

2009 AM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖	↑↑	↗		↖↗	↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	0.95		0.97	1.00
Frt	1.00	1.00	0.93		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1752	3505	3294		3400	1568
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1752	3505	3294		3400	1568
Volume (vph)	326	768	940	805	442	292
Peak-hour factor, PHF	0.91	0.91	0.98	0.98	0.92	0.92
Adj. Flow (vph)	358	844	959	821	480	317
RTOR Reduction (vph)	0	0	172	0	0	257
Lane Group Flow (vph)	358	844	1608	0	480	60
Heavy Vehicles (%)	3%	3%	2%	2%	3%	3%
Turn Type	Prot			Perm		
Protected Phases	7	4	8		6	
Permitted Phases						6
Actuated Green, G (s)	18.0	65.0	43.0		17.0	17.0
Effective Green, g (s)	18.0	65.0	43.0		17.0	17.0
Actuated g/C Ratio	0.20	0.72	0.48		0.19	0.19
Clearance Time (s)	4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	350	2531	1574		642	296
v/s Ratio Prot	c0.20	0.24	c0.49		c0.14	
v/s Ratio Perm						0.04
v/c Ratio	1.02	0.33	1.02		0.75	0.20
Uniform Delay, d1	36.0	4.6	23.5		34.5	30.8
Progression Factor	0.81	1.91	1.00		1.00	1.00
Incremental Delay, d2	45.4	0.1	28.3		7.8	1.5
Delay (s)	74.7	8.8	51.8		42.2	32.3
Level of Service	E	A	D		D	C
Approach Delay (s)		28.4	51.8		38.3	
Approach LOS		C	D		D	

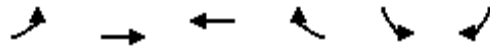
Intersection Summary

HCM Average Control Delay	41.5	HCM Level of Service	D
HCM Volume to Capacity ratio	0.96		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	92.5%	ICU Level of Service	F
Analysis Period (min)	15		

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 17: Church Street (Route 139) & Route 3 NB

2009 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↙	↑↑	↑↑		↘↙	↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	0.95		0.97	1.00
Frt	1.00	1.00	0.96		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1787	3574	3421		3400	1568
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1787	3574	3421		3400	1568
Volume (vph)	231	1807	1107	443	296	177
Peak-hour factor, PHF	0.93	0.93	0.90	0.90	0.92	0.92
Adj. Flow (vph)	248	1943	1230	492	322	192
RTOR Reduction (vph)	0	0	48	0	0	154
Lane Group Flow (vph)	248	1943	1674	0	322	38
Heavy Vehicles (%)	1%	1%	1%	1%	3%	3%
Turn Type	Prot			Perm		
Protected Phases	7	4	8		6	
Permitted Phases						6
Actuated Green, G (s)	13.9	64.3	46.4		17.7	17.7
Effective Green, g (s)	13.9	64.3	46.4		17.7	17.7
Actuated g/C Ratio	0.15	0.71	0.52		0.20	0.20
Clearance Time (s)	4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	276	2553	1764		669	308
v/s Ratio Prot	c0.14	0.54	c0.49		c0.09	
v/s Ratio Perm						0.02
v/c Ratio	0.90	0.76	0.95		0.48	0.12
Uniform Delay, d1	37.4	8.0	20.7		32.1	29.8
Progression Factor	0.95	1.37	1.00		1.00	1.00
Incremental Delay, d2	10.8	0.4	11.5		2.5	0.8
Delay (s)	46.4	11.4	32.1		34.5	30.6
Level of Service	D	B	C		C	C
Approach Delay (s)		15.4	32.1		33.1	
Approach LOS		B	C		C	

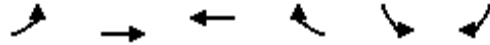
Intersection Summary

HCM Average Control Delay	24.0	HCM Level of Service	C
HCM Volume to Capacity ratio	0.83		
Actuated Cycle Length (s)	90.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	76.0%	ICU Level of Service	D
Analysis Period (min)	15		

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis
 17: Church Street (Route 139) & Route 3 NB

Projected 2014 AM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖	↑↑	↗		↙	↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	0.95		0.97	1.00
Frt	1.00	1.00	0.93		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1752	3505	3294		3400	1568
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1752	3505	3294		3400	1568
Volume (vph)	326	768	940	805	442	292
Peak-hour factor, PHF	0.91	0.91	0.98	0.98	0.92	0.92
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	376	886	1007	862	504	333
RTOR Reduction (vph)	0	0	171	0	0	270
Lane Group Flow (vph)	376	886	1698	0	504	63
Heavy Vehicles (%)	3%	3%	2%	2%	3%	3%
Turn Type	Prot			Perm		
Protected Phases	7	4	8		6	
Permitted Phases						6
Actuated Green, G (s)	18.0	65.0	43.0		17.0	17.0
Effective Green, g (s)	18.0	65.0	43.0		17.0	17.0
Actuated g/C Ratio	0.20	0.72	0.48		0.19	0.19
Clearance Time (s)	4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	350	2531	1574		642	296
v/s Ratio Prot	c0.21	0.25	c0.52		c0.15	
v/s Ratio Perm						0.04
v/c Ratio	1.07	0.35	1.08		0.79	0.21
Uniform Delay, d1	36.0	4.6	23.5		34.8	30.8
Progression Factor	0.80	1.96	1.00		1.00	1.00
Incremental Delay, d2	59.5	0.1	47.1		9.3	1.6
Delay (s)	88.3	9.2	70.6		44.1	32.5
Level of Service	F	A	E		D	C
Approach Delay (s)		32.7	70.6		39.5	
Approach LOS		C	E		D	

Intersection Summary			
HCM Average Control Delay		52.0	HCM Level of Service D
HCM Volume to Capacity ratio		1.01	
Actuated Cycle Length (s)		90.0	Sum of lost time (s) 12.0
Intersection Capacity Utilization		96.6%	ICU Level of Service F
Analysis Period (min)		15	
c Critical Lane Group			

HCM Signalized Intersection Capacity Analysis
 17: Church Street (Route 139) & Route 3 NB

Projected 2014 PM Peak Hour LOS



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↖	↑↑	↗↘		↖↗	↘
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0		4.0	4.0
Lane Util. Factor	1.00	0.95	0.95		0.97	1.00
Frt	1.00	1.00	0.96		1.00	0.85
Flt Protected	0.95	1.00	1.00		0.95	1.00
Satd. Flow (prot)	1787	3574	3421		3400	1568
Flt Permitted	0.95	1.00	1.00		0.95	1.00
Satd. Flow (perm)	1787	3574	3421		3400	1568
Volume (vph)	231	1807	1107	443	296	177
Peak-hour factor, PHF	0.93	0.93	0.90	0.90	0.92	0.92
Growth Factor (vph)	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	261	2040	1292	517	338	202
RTOR Reduction (vph)	0	0	48	0	0	164
Lane Group Flow (vph)	261	2040	1761	0	338	38
Heavy Vehicles (%)	1%	1%	1%	1%	3%	3%
Turn Type	Prot			Perm		
Protected Phases	7	4	8		6	
Permitted Phases						6
Actuated Green, G (s)	14.0	65.0	47.0		17.0	17.0
Effective Green, g (s)	14.0	65.0	47.0		17.0	17.0
Actuated g/C Ratio	0.16	0.72	0.52		0.19	0.19
Clearance Time (s)	4.0	4.0	4.0		4.0	4.0
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	278	2581	1787		642	296
v/s Ratio Prot	c0.15	0.57	c0.51		c0.10	
v/s Ratio Perm						0.02
v/c Ratio	0.94	0.79	0.99		0.53	0.13
Uniform Delay, d1	37.6	8.1	21.2		32.9	30.3
Progression Factor	0.96	1.33	1.00		1.00	1.00
Incremental Delay, d2	6.4	0.2	17.8		3.1	0.9
Delay (s)	42.4	10.9	39.0		35.9	31.2
Level of Service	D	B	D		D	C
Approach Delay (s)		14.5	39.0		34.2	
Approach LOS		B	D		C	
Intersection Summary						
HCM Average Control Delay			26.3		HCM Level of Service	C
HCM Volume to Capacity ratio			0.88			
Actuated Cycle Length (s)			90.0		Sum of lost time (s)	12.0
Intersection Capacity Utilization			79.3%		ICU Level of Service	D
Analysis Period (min)			15			
c Critical Lane Group						

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-09

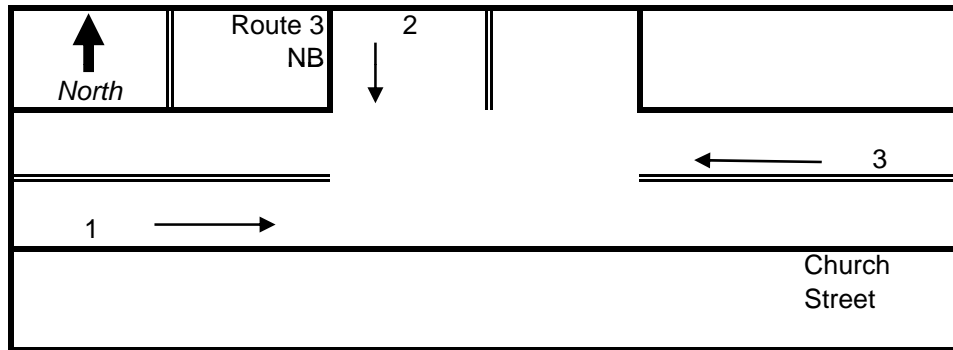
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : Route 3 NB Ramos

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	2,038	473	1,550			4,061

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

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

CRASH RATE CALCULATION :

0.14

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

Comments : _____

Project Title & Date: _____



Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Pembroke
 Weather: Overcast
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_AM
 Site Code : 231
 Start Date : 7/8/2009
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Groups Printed- 3 - FHWA Class 4 - 13

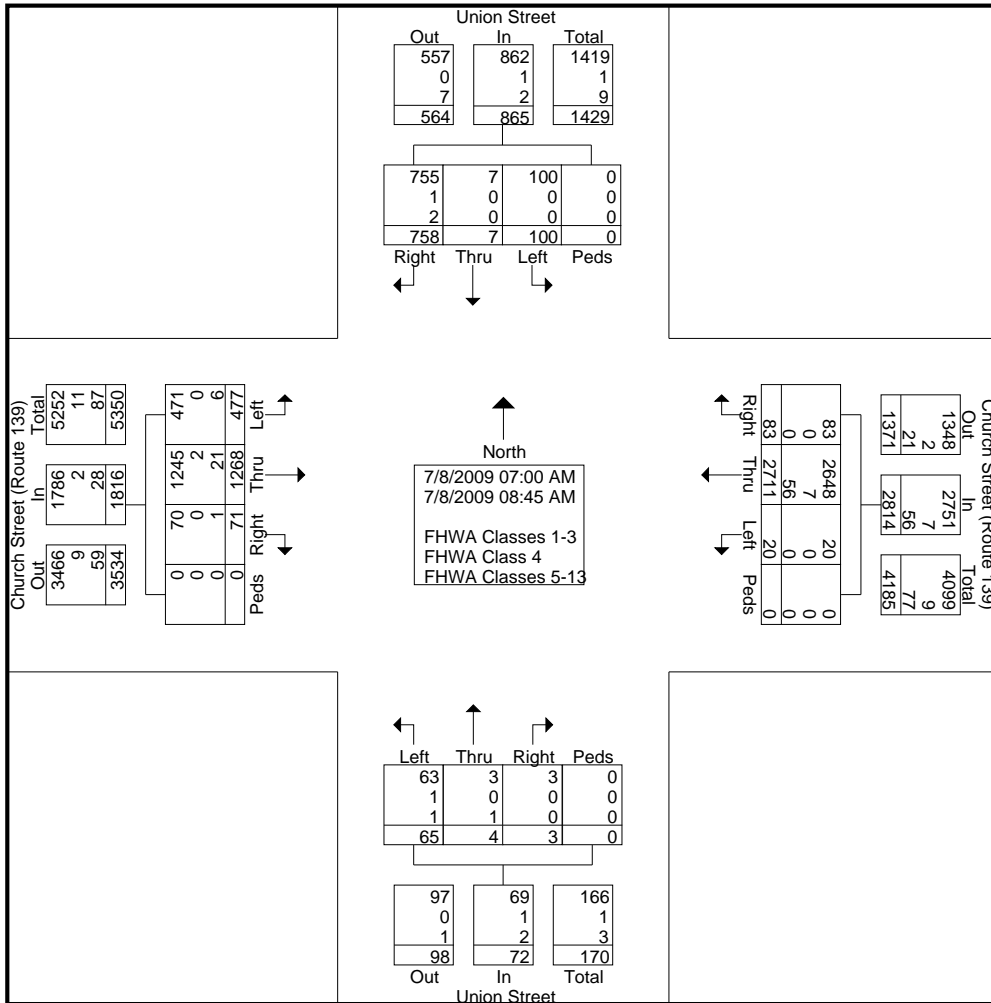
Start Time	Union Street Southbound					Church Street (Route 139) Westbound					Union Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
07:00 AM	13	0	83	0	96	5	299	8	0	312	11	1	1	0	13	33	89	10	0	132	553
07:15 AM	4	1	85	0	90	0	299	8	0	307	3	2	0	0	5	46	129	4	0	179	581
07:30 AM	11	0	100	0	111	1	307	5	0	313	6	1	0	0	7	60	129	7	0	196	627
07:45 AM	8	1	81	0	90	3	409	11	0	423	10	0	0	0	10	52	210	9	0	271	794
Total	36	2	349	0	387	9	1314	32	0	1355	30	4	1	0	35	191	557	30	0	778	2555
08:00 AM	11	1	103	0	115	1	357	8	0	366	5	0	0	0	5	80	186	7	0	273	759
08:15 AM	17	0	85	0	102	3	390	14	0	407	13	0	0	0	13	61	177	11	0	249	771
08:30 AM	13	1	119	0	133	3	333	16	0	352	6	0	1	0	7	76	185	9	0	270	762
08:45 AM	23	3	102	0	128	4	317	13	0	334	11	0	1	0	12	69	163	14	0	246	720
Total	64	5	409	0	478	11	1397	51	0	1459	35	0	2	0	37	286	711	41	0	1038	3012
Grand Total	100	7	758	0	865	20	2711	83	0	2814	65	4	3	0	72	477	1268	71	0	1816	5567
Apprch %	11.6	0.8	87.6	0		0.7	96.3	2.9	0		90.3	5.6	4.2	0		26.3	69.8	3.9	0		
Total %	1.8	0.1	13.6	0	15.5	0.4	48.7	1.5	0	50.5	1.2	0.1	0.1	0	1.3	8.6	22.8	1.3	0	32.6	
FHWA Classes 1-3	100	7	755	0	862	20	2648	83	0	2751	63	3	3	0	69	471	1245	70	0	1786	5468
% FHWA Classes 1-3	100	100	99.6	0	99.7	100	97.7	100	0	97.8	96.9	75	100	0	95.8	98.7	98.2	98.6	0	98.3	98.2
FHWA Class 4	0	0	1	0	1	0	7	0	0	7	1	0	0	0	1	0	2	0	0	2	11
% FHWA Class 4	0	0	0.1	0	0.1	0	0.3	0	0	0.2	1.5	0	0	0	1.4	0	0.2	0	0	0.1	0.2
FHWA Classes 5-13	0	0	2	0	2	0	56	0	0	56	1	1	0	0	2	6	21	1	0	28	88
% FHWA Classes 5-13	0	0	0.3	0	0.2	0	2.1	0	0	2	1.5	25	0	0	2.8	1.3	1.7	1.4	0	1.5	1.6



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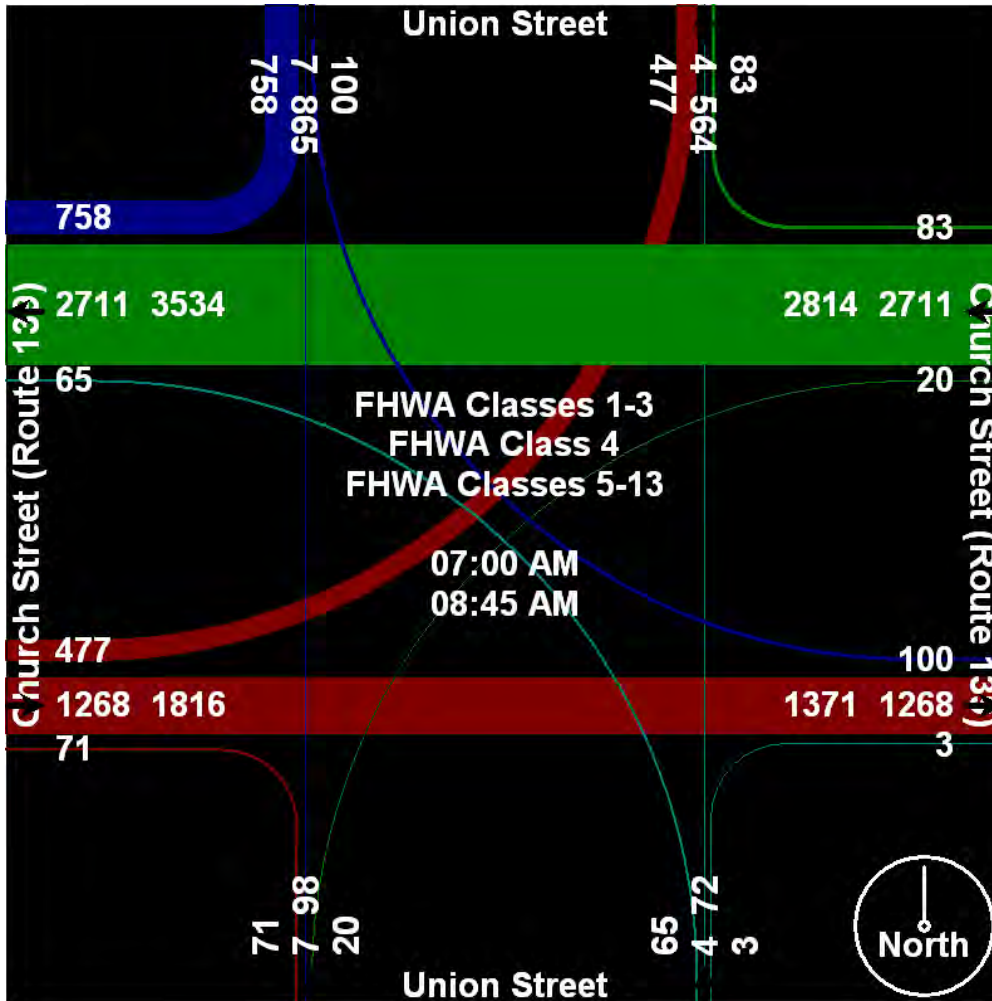




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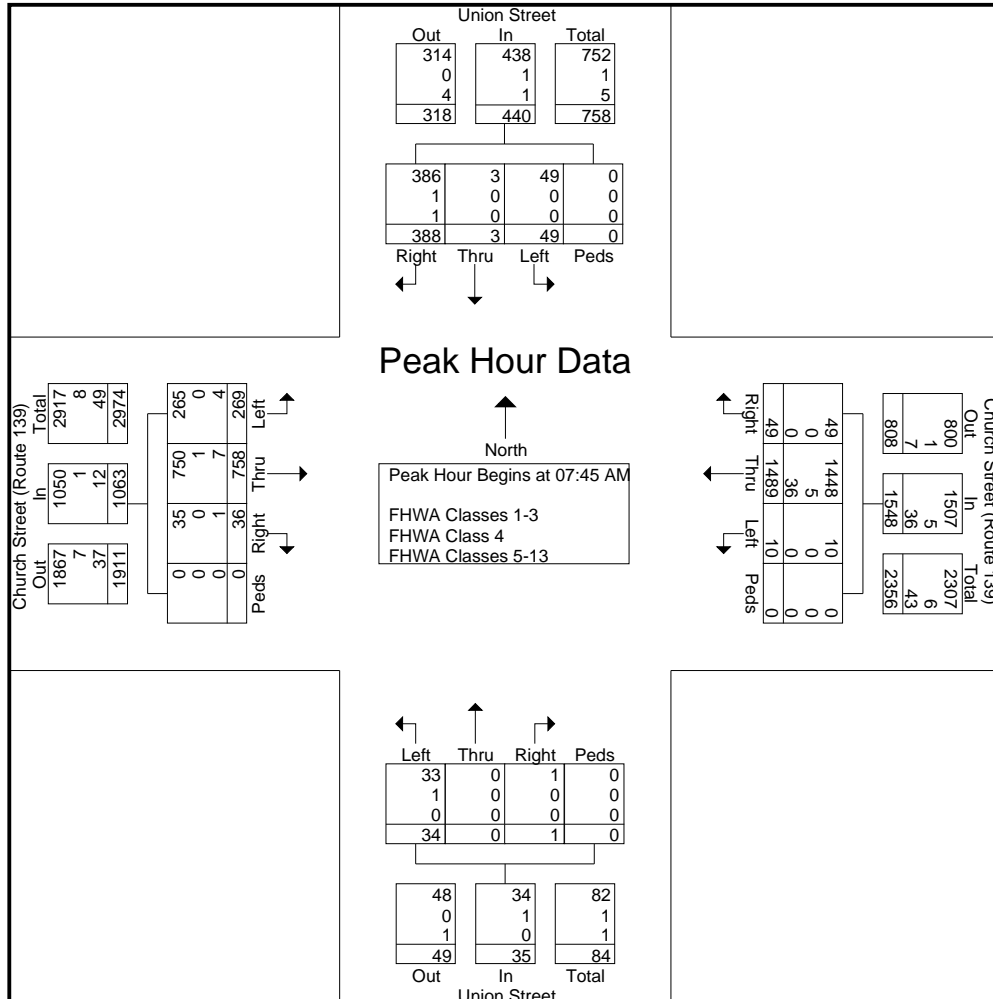


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 Start Date : 7/8/2009
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Start Time	Union Street Southbound					Church Street (Route 139) Westbound					Union Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	8	1	81	0	90	3	409	11	0	423	10	0	0	0	10	52	210	9	0	271	794
08:00 AM	11	1	103	0	115	1	357	8	0	366	5	0	0	0	5	80	186	7	0	273	759
08:15 AM	17	0	85	0	102	3	390	14	0	407	13	0	0	0	13	61	177	11	0	249	771
08:30 AM	13	1	119	0	133	3	333	16	0	352	6	0	1	0	7	76	185	9	0	270	762
Total Volume	49	3	388	0	440	10	1489	49	0	1548	34	0	1	0	35	269	758	36	0	1063	3086
% App. Total	11.1	0.7	88.2	0		0.6	96.2	3.2	0		97.1	0	2.9	0		25.3	71.3	3.4	0		
PHF	.721	.750	.815	.000	.827	.833	.910	.766	.000	.915	.654	.000	.250	.000	.673	.841	.902	.818	.000	.973	.972
FHWA Classes 1-3	49	3	386	0	438	10	1448	49	0	1507	33	0	1	0	34	265	750	35	0	1050	3029
% FHWA Classes 1-3	100	100	99.5	0	99.5	100	97.2	100	0	97.4	97.1	0	100	0	97.1	98.5	98.9	97.2	0	98.8	98.2
FHWA Class 4	0	0	1	0	1	0	5	0	0	5	1	0	0	0	1	0	1	0	0	1	8
% FHWA Class 4	0	0	0.3	0	0.2	0	0.3	0	0	0.3	2.9	0	0	0	2.9	0	0.1	0	0	0.1	0.3
FHWA Classes 5-13	0	0	1	0	1	0	36	0	0	36	0	0	0	0	0	4	7	1	0	12	49
% FHWA Classes 5-13	0	0	0.3	0	0.2	0	2.4	0	0	2.3	0	0	0	0	0	1.5	0.9	2.8	0	1.1	1.6

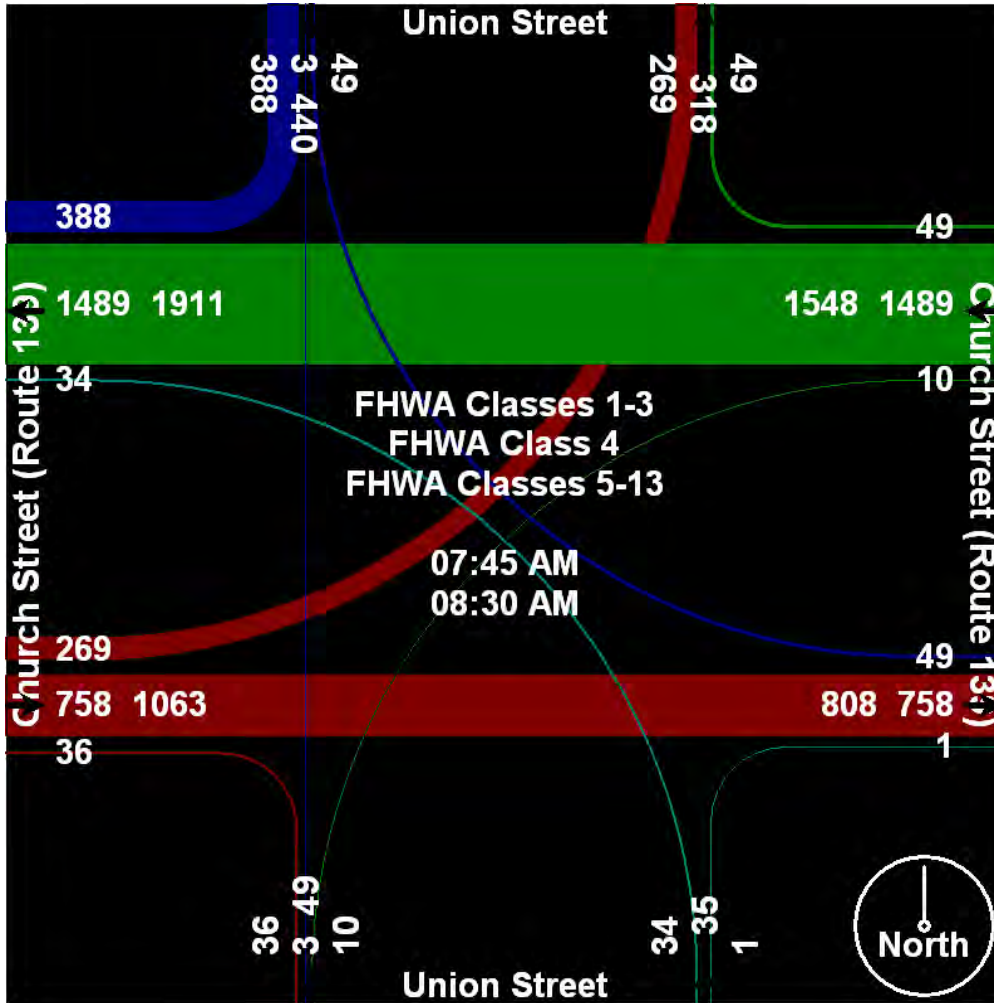




Old Colony Planning Council
 70 School Street
 Brockton, MA 02301
 508-583-1833
 www.ocpcrpa.org

Community: Pembroke
 Weather: Overcast
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_AM
 Site Code : 231
 Start Date : 7/8/2009
 Page No : 5





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

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

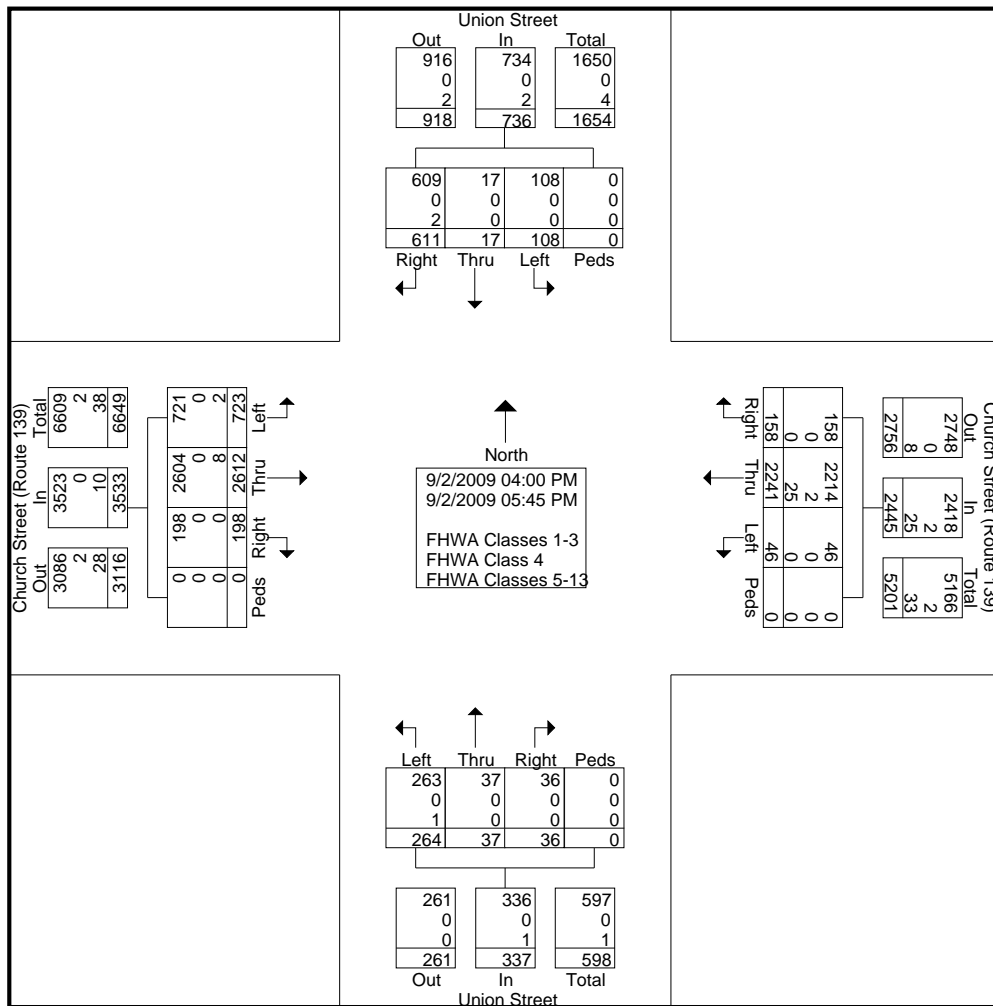
Start Time	Union Street Southbound					Church Street (Route 139) Westbound					Union Street Northbound					Church Street (Route 139) Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	8	0	93	0	101	3	313	13	0	329	38	7	3	0	48	63	338	24	0	425	903
04:15 PM	13	3	80	0	96	7	267	19	0	293	29	5	5	0	39	78	333	24	0	435	863
04:30 PM	15	1	73	0	89	10	314	13	0	337	29	1	7	0	37	99	344	23	0	466	929
04:45 PM	27	6	71	0	104	5	251	23	0	279	47	8	2	0	57	92	329	30	0	451	891
Total	63	10	317	0	390	25	1145	68	0	1238	143	21	17	0	181	332	1344	101	0	1777	3586
05:00 PM	10	0	74	0	84	5	361	29	0	395	31	3	2	0	36	88	356	24	0	468	983
05:15 PM	8	3	75	0	86	9	229	28	0	266	34	5	5	0	44	98	336	25	0	459	855
05:30 PM	10	1	78	0	89	2	257	22	0	281	27	5	10	0	42	93	301	29	0	423	835
05:45 PM	17	3	67	0	87	5	249	11	0	265	29	3	2	0	34	112	275	19	0	406	792
Total	45	7	294	0	346	21	1096	90	0	1207	121	16	19	0	156	391	1268	97	0	1756	3465
Grand Total	108	17	611	0	736	46	2241	158	0	2445	264	37	36	0	337	723	2612	198	0	3533	7051
Apprch %	14.7	2.3	83	0		1.9	91.7	6.5	0		78.3	11	10.7	0		20.5	73.9	5.6	0		
Total %	1.5	0.2	8.7	0	10.4	0.7	31.8	2.2	0	34.7	3.7	0.5	0.5	0	4.8	10.3	37	2.8	0	50.1	
FHWA Classes 1-3	108	17	609	0	734	46	2214	158	0	2418	263	37	36	0	336	721	2604	198	0	3523	7011
% FHWA Classes 1-3	100	100	99.7	0	99.7	100	98.8	100	0	98.9	99.6	100	100	0	99.7	99.7	99.7	100	0	99.7	99.4
FHWA Class 4	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
% FHWA Class 4	0	0	0	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0
FHWA Classes 5-13	0	0	2	0	2	0	25	0	0	25	1	0	0	0	1	2	8	0	0	10	38
% FHWA Classes 5-13	0	0	0.3	0	0.3	0	1.1	0	0	1	0.4	0	0	0	0.3	0.3	0.3	0	0	0.3	0.5



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

Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 2

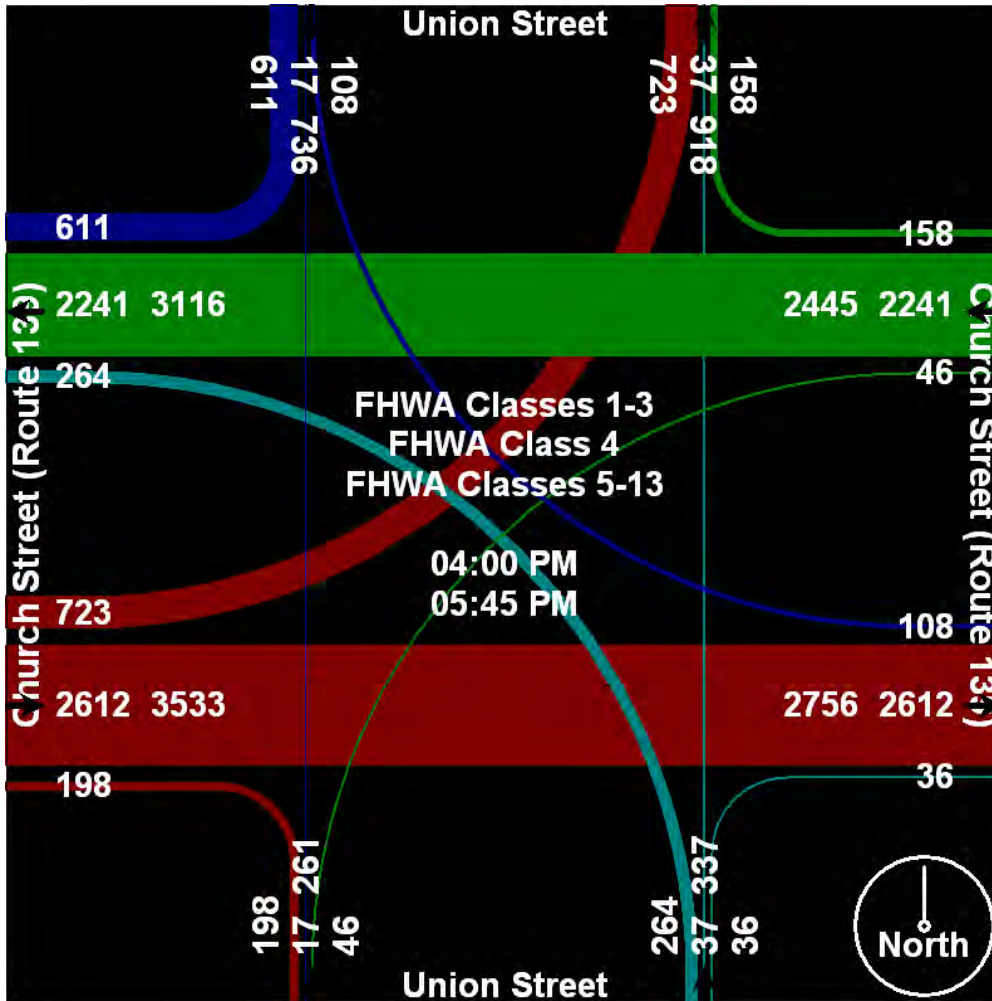




Old Colony Planning Council
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Community: Pembroke
Weather: Clear
Board #: DB-400 (3)
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File Name : 231_Church(139)&Union_PM
Site Code : 231
Start Date : 9/2/2009
Page No : 3



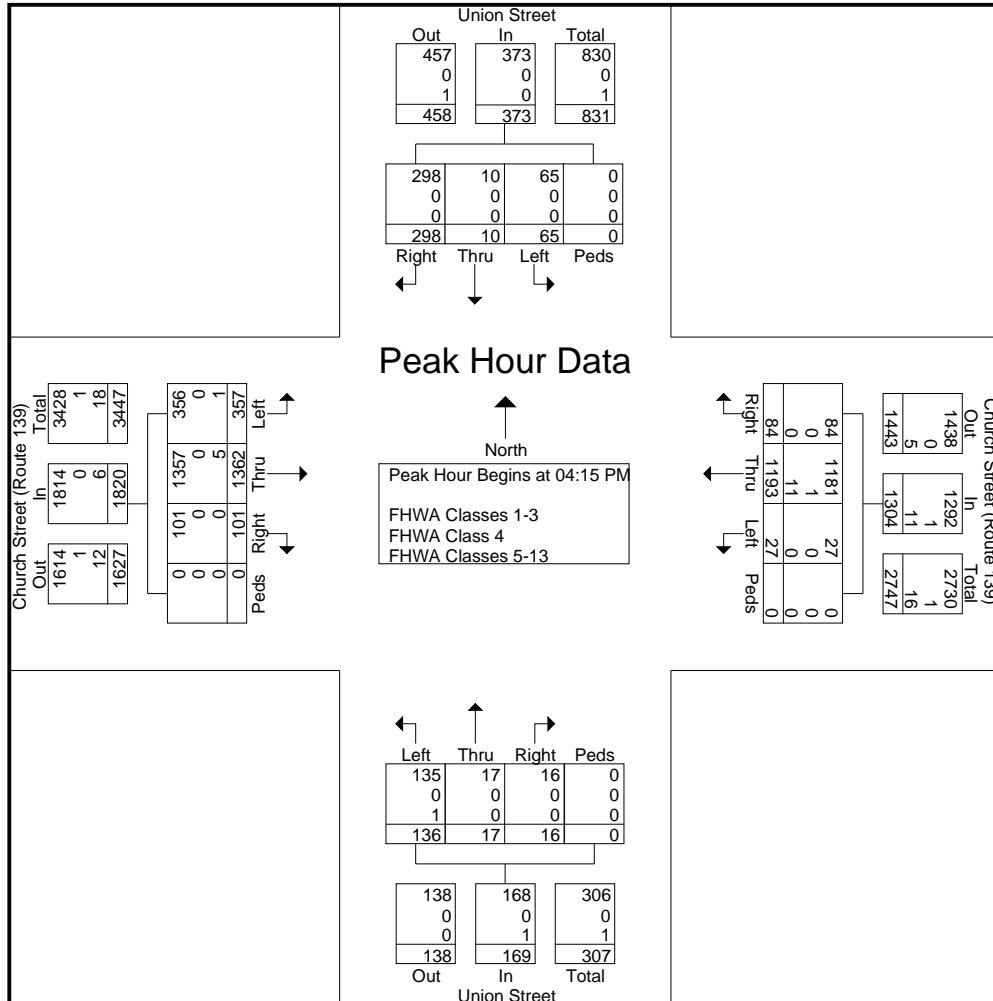


Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 4

Start Time	Union Street Southbound					Church Street (Route 139) Westbound					Union Street Northbound					Church Street (Route 139) Eastbound					Int. Total	
	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:15 PM																						
04:15 PM	13	3	80	0	96	7	267	19	0	293	29	5	5	0	39	78	333	24	0	435	863	
04:30 PM	15	1	73	0	89	10	314	13	0	337	29	1	7	0	37	99	344	23	0	466	929	
04:45 PM	27	6	71	0	104	5	251	23	0	279	47	8	2	0	57	92	329	30	0	451	891	
05:00 PM	10	0	74	0	84	5	361	29	0	395	31	3	2	0	36	88	356	24	0	468	983	
Total Volume	65	10	298	0	373	27	1193	84	0	1304	136	17	16	0	169	357	1362	101	0	1820	3666	
% App. Total	17.4	2.7	79.9	0		2.1	91.5	6.4	0		80.5	10.1	9.5	0		19.6	74.8	5.5	0			
PHF	.602	.417	.931	.000	.897	.675	.826	.724	.000	.825	.723	.531	.571	.000	.741	.902	.956	.842	.000	.972	.932	
FHWA Classes 1-3	65	10	298	0	373	27	1181	84	0	1292	135	17	16	0	168	356	1357	101	0	1814	3647	
% FHWA Classes 1-3	100	100	100	0	100	100	99.0	100	0	99.1	99.3	100	100	0	99.4	99.7	99.6	100	0	99.7	99.5	
FHWA Class 4	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
% FHWA Class 4	0	0	0	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0.0
FHWA Classes 5-13	0	0	0	0	0	0	11	0	0	11	1	0	0	0	1	1	5	0	0	6	18	
% FHWA Classes 5-13	0	0	0	0	0	0	0.9	0	0	0.8	0.7	0	0	0	0.6	0.3	0.4	0	0	0.3	0.5	

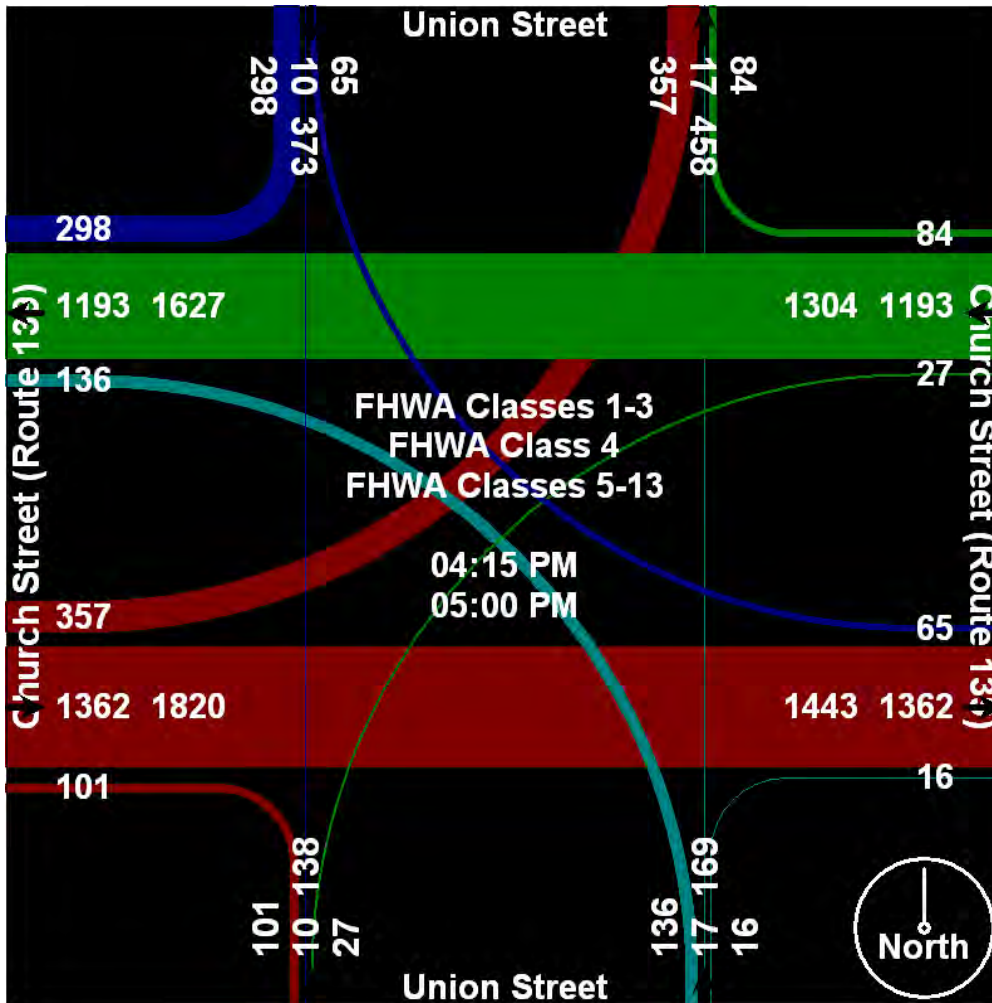




Old Colony Planning Council
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




















Community: Pembroke
 Weather: Clear
 Board #: DB-400 (3)
 Staff: BH

File Name : 231_Church(139)&Union_PM
 Site Code : 231
 Start Date : 9/2/2009
 Page No : 5



HCM Signalized Intersection Capacity Analysis
 19: Church Street (Route 139) & Union Street























2009 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 			 				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95			1.00		1.00	1.00	
Frt	1.00	0.99		1.00	1.00			1.00		1.00	0.85	
Flt Protected	0.95	1.00		0.95	1.00			0.95		0.95	1.00	
Satd. Flow (prot)	1608	3195		1593	3170			1594		1608	1441	
Flt Permitted	0.95	1.00		0.95	1.00			0.21		0.75	1.00	
Satd. Flow (perm)	1608	3195		1593	3170			352		1270	1441	
Volume (vph)	269	758	36	10	1489	49	34	0	1	49	3	388
Peak-hour factor, PHF	0.97	0.97	0.97	0.92	0.92	0.92	0.67	0.67	0.67	0.83	0.83	0.83
Adj. Flow (vph)	277	781	37	11	1618	53	51	0	1	59	4	467
RTOR Reduction (vph)	0	3	0	0	2	0	0	1	0	0	198	0
Lane Group Flow (vph)	277	815	0	11	1669	0	0	51	0	59	273	0
Heavy Vehicles (%)	1%	1%	1%	2%	2%	2%	2%	2%	2%	1%	1%	1%
Turn Type	Prot		Prot		Perm			Perm				
Protected Phases	7	4		3	8			2				6
Permitted Phases							2			6		
Actuated Green, G (s)	19.0	78.4		0.8	60.2			18.8		18.8	18.8	
Effective Green, g (s)	19.0	78.4		0.8	60.2			18.8		18.8	18.8	
Actuated g/C Ratio	0.17	0.71		0.01	0.55			0.17		0.17	0.17	
Clearance Time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)	278	2277		12	1735			60		217	246	
v/s Ratio Prot	c0.17	0.26		0.01	c0.53						c0.19	
v/s Ratio Perm								0.15		0.05		
v/c Ratio	1.00	0.36		0.92	0.96			0.85		0.27	1.11	
Uniform Delay, d1	45.5	6.1		54.6	23.8			44.3		39.6	45.6	
Progression Factor	1.00	1.00		1.00	1.00			1.00		1.00	1.00	
Incremental Delay, d2	52.6	0.1		212.2	13.7			79.2		3.1	89.8	
Delay (s)	98.1	6.2		266.7	37.5			123.4		42.7	135.4	
Level of Service	F	A		F	D			F		D	F	
Approach Delay (s)		29.4			39.0			123.4			125.1	
Approach LOS		C			D			F			F	
Intersection Summary												
HCM Average Control Delay			50.8	HCM Level of Service				D				
HCM Volume to Capacity ratio			1.00									
Actuated Cycle Length (s)			110.0	Sum of lost time (s)				12.0				
Intersection Capacity Utilization			105.8%	ICU Level of Service				G				
Analysis Period (min)			15									

c Critical Lane Group




















HCM Signalized Intersection Capacity Analysis
 19: Church Street (Route 139) & Union Street

2009 PM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 			 				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95			1.00		1.00	1.00	
Frt	1.00	0.99		1.00	0.99			0.99		1.00	0.85	
Flt Protected	0.95	1.00		0.95	1.00			0.96		0.95	1.00	
Satd. Flow (prot)	1593	3152		1593	3154			1591		1593	1433	
Flt Permitted	0.95	1.00		0.95	1.00			0.32		0.68	1.00	
Satd. Flow (perm)	1593	3152		1593	3154			522		1132	1433	
Volume (vph)	357	1362	101	27	1193	84	136	17	16	65	10	298
Peak-hour factor, PHF	0.97	0.97	0.97	0.83	0.83	0.83	0.74	0.74	0.74	0.90	0.90	0.90
Adj. Flow (vph)	368	1404	104	33	1437	101	184	23	22	72	11	331
RTOR Reduction (vph)	0	3	0	0	3	0	0	3	0	0	221	0
Lane Group Flow (vph)	368	1505	0	33	1535	0	0	226	0	72	121	0
Turn Type	Prot		Prot		Perm			Perm				
Protected Phases	7	4		3	8			2			6	
Permitted Phases							2			6		
Actuated Green, G (s)	29.0	87.8		4.0	62.8			46.2		46.2	46.2	
Effective Green, g (s)	29.0	87.8		4.0	62.8			46.2		46.2	46.2	
Actuated g/C Ratio	0.19	0.59		0.03	0.42			0.31		0.31	0.31	
Clearance Time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)	308	1845		42	1320			161		349	441	
v/s Ratio Prot	c0.23	0.48		0.02	c0.49						0.08	
v/s Ratio Perm								c0.43		0.06		
v/c Ratio	1.19	0.82		0.79	1.16			1.41		0.21	0.27	
Uniform Delay, d1	60.5	24.7		72.6	43.6			51.9		38.4	39.2	
Progression Factor	1.00	1.00		1.00	1.00			1.00		1.00	1.00	
Incremental Delay, d2	115.0	2.9		62.3	81.8			215.2		1.3	1.5	
Delay (s)	175.5	27.6		134.8	125.4			267.1		39.7	40.7	
Level of Service	F	C		F	F			F		D	D	
Approach Delay (s)		56.6			125.6			267.1			40.6	
Approach LOS		E			F			F			D	
Intersection Summary												
HCM Average Control Delay			93.3	HCM Level of Service				F				
HCM Volume to Capacity ratio			1.25									
Actuated Cycle Length (s)			150.0	Sum of lost time (s)				12.0				
Intersection Capacity Utilization			106.4%	ICU Level of Service				G				
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 19: Church Street (Route 139) & Union Street

Projected 2014 AM Peak Hour LOS

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95			1.00		1.00	1.00	
Frt	1.00	0.99		1.00	1.00			1.00		1.00	0.85	
Flt Protected	0.95	1.00		0.95	1.00			0.95		0.95	1.00	
Satd. Flow (prot)	1608	3195		1593	3170			1592		1608	1441	
Flt Permitted	0.95	1.00		0.95	1.00			0.21		0.75	1.00	
Satd. Flow (perm)	1608	3195		1593	3170			348		1271	1441	
Volume (vph)	269	758	36	10	1489	49	34	0	1	49	3	388
Peak-hour factor, PHF	0.97	0.97	0.97	0.92	0.92	0.92	0.67	0.67	0.67	0.83	0.83	0.83
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	291	821	39	11	1699	56	53	0	2	62	4	491
RTOR Reduction (vph)	0	3	0	0	2	0	0	2	0	0	196	0
Lane Group Flow (vph)	291	857	0	11	1753	0	0	53	0	62	299	0
Heavy Vehicles (%)	1%	1%	1%	2%	2%	2%	2%	2%	2%	1%	1%	1%
Turn Type	Prot		Prot		Perm			Perm				
Protected Phases	7	4		3	8			2			6	
Permitted Phases							2				6	
Actuated Green, G (s)	19.0	78.4		0.8	60.2			18.8		18.8	18.8	
Effective Green, g (s)	19.0	78.4		0.8	60.2			18.8		18.8	18.8	
Actuated g/C Ratio	0.17	0.71		0.01	0.55			0.17		0.17	0.17	
Clearance Time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)	278	2277		12	1735			59		217	246	
v/s Ratio Prot	c0.18	0.27		0.01	c0.55						c0.21	
v/s Ratio Perm								0.15		0.05		
v/c Ratio	1.05	0.38		0.92	1.01			0.90		0.29	1.21	
Uniform Delay, d1	45.5	6.2		54.6	24.9			44.7		39.7	45.6	
Progression Factor	1.00	1.00		1.00	1.00			1.00		1.00	1.00	
Incremental Delay, d2	66.7	0.1		212.2	24.2			91.9		3.3	127.4	
Delay (s)	112.2	6.3		266.7	49.1			136.6		43.0	173.0	
Level of Service	F	A		F	D			F		D	F	
Approach Delay (s)		33.1			50.5			136.6			158.5	
Approach LOS		C			D			F			F	
Intersection Summary												
HCM Average Control Delay			63.2	HCM Level of Service								E
HCM Volume to Capacity ratio			1.06									
Actuated Cycle Length (s)			110.0	Sum of lost time (s)								12.0
Intersection Capacity Utilization			110.6%	ICU Level of Service								H
Analysis Period (min)			15									
c Critical Lane Group												

HCM Signalized Intersection Capacity Analysis
 19: Church Street (Route 139) & Union Street

Projected 2014 PM Peak Hour LOS

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95			1.00		1.00	1.00	
Frt	1.00	0.99		1.00	0.99			0.99		1.00	0.86	
Flt Protected	0.95	1.00		0.95	1.00			0.96		0.95	1.00	
Satd. Flow (prot)	1593	3152		1593	3154			1591		1593	1433	
Flt Permitted	0.95	1.00		0.95	1.00			0.29		0.67	1.00	
Satd. Flow (perm)	1593	3152		1593	3154			482		1130	1433	
Volume (vph)	357	1362	101	27	1193	84	136	17	16	65	10	298
Peak-hour factor, PHF	0.97	0.97	0.97	0.83	0.83	0.83	0.74	0.74	0.74	0.90	0.90	0.90
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	386	1474	109	34	1509	106	193	24	23	76	12	348
RTOR Reduction (vph)	0	3	0	0	3	0	0	3	0	0	220	0
Lane Group Flow (vph)	386	1580	0	34	1612	0	0	237	0	76	140	0
Turn Type	Prot		Prot		Perm			Perm				
Protected Phases	7	4		3	8			2				6
Permitted Phases							2			6		
Actuated Green, G (s)	29.0	87.8		4.0	62.8			46.2		46.2	46.2	
Effective Green, g (s)	29.0	87.8		4.0	62.8			46.2		46.2	46.2	
Actuated g/C Ratio	0.19	0.59		0.03	0.42			0.31		0.31	0.31	
Clearance Time (s)	4.0	4.0		4.0	4.0			4.0		4.0	4.0	
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)	308	1845		42	1320			148		348	441	
v/s Ratio Prot	c0.24	0.50		0.02	c0.51						0.10	
v/s Ratio Perm								c0.49		0.07		
v/c Ratio	1.25	0.86		0.81	1.22			1.60		0.22	0.32	
Uniform Delay, d1	60.5	25.9		72.6	43.6			51.9		38.5	39.8	
Progression Factor	1.00	1.00		1.00	1.00			1.00		1.00	1.00	
Incremental Delay, d2	137.9	4.1		68.7	106.4			300.5		1.4	1.9	
Delay (s)	198.4	30.0		141.4	150.0			352.4		39.9	41.7	
Level of Service	F	C		F	F			F		D	D	
Approach Delay (s)		63.0			149.8			352.4			41.4	
Approach LOS		E			F			F			D	
Intersection Summary												
HCM Average Control Delay			110.3	HCM Level of Service								F
HCM Volume to Capacity ratio			1.35									
Actuated Cycle Length (s)			150.0	Sum of lost time (s)								12.0
Intersection Capacity Utilization			111.1%	ICU Level of Service								H
Analysis Period (min)			15									

c Critical Lane Group

MassHighway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-09

DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

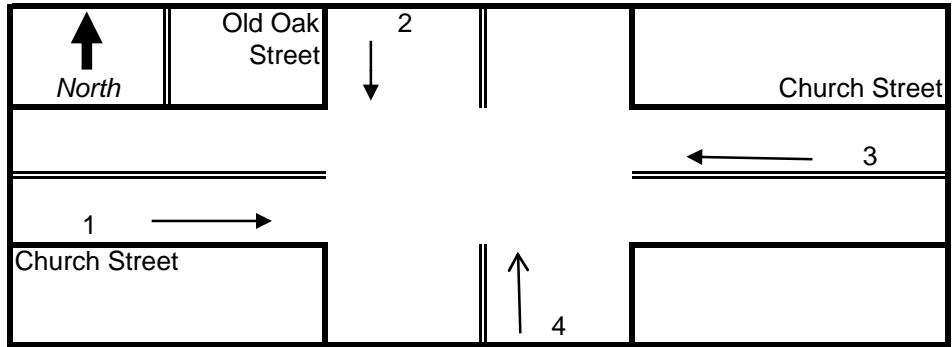
~ INTERSECTION DATA ~

MAJOR STREET : Church Street (Route 139)

MINOR STREET(S) : Old Oak Street (sometimes called Union Street);

Christmas Tree Shops / Ski Market

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach
DIRECTION :	EB	SB	WB	NB		
PEAK HOURLY VOLUMES (AM/PM) :	1,820	373	1,304	169		3,666

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

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

CRASH RATE CALCULATION :

1.26

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

Comments : _____

Project Title & Date: _____

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

Start Time	13-Jul-09		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	45	22	41	26	*	*	*	*	*	*	*	*	43	24
01:00	*	*	21	20	22	19	*	*	*	*	*	*	*	*	22	20
02:00	*	*	13	8	11	11	*	*	*	*	*	*	*	*	12	10
03:00	*	*	8	13	47	21	*	*	*	*	*	*	*	*	28	17
04:00	*	*	10	34	14	27	*	*	*	*	*	*	*	*	12	30
05:00	*	*	25	108	29	107	*	*	*	*	*	*	*	*	27	108
06:00	*	*	93	233	83	234	*	*	*	*	*	*	*	*	88	234
07:00	*	*	131	388	138	369	*	*	*	*	*	*	*	*	134	378
08:00	*	*	197	395	178	359	*	*	*	*	*	*	*	*	188	377
09:00	*	*	191	285	203	286	*	*	*	*	*	*	*	*	197	286
10:00	*	*	179	282	211	265	*	*	*	*	*	*	*	*	195	274
11:00	*	*	202	256	227	236	*	*	*	*	*	*	*	*	214	246
12:00 PM	*	*	263	277	255	255	*	*	*	*	*	*	*	*	259	266
01:00	*	*	252	281	231	254	*	*	*	*	*	*	*	*	242	268
02:00	*	*	269	254	269	255	*	*	*	*	*	*	*	*	269	254
03:00	*	*	356	274	312	260	*	*	*	*	*	*	*	*	334	267
04:00	*	*	359	293	322	325	*	*	*	*	*	*	*	*	340	309
05:00	*	*	369	349	373	305	*	*	*	*	*	*	*	*	371	327
06:00	*	*	294	270	307	317	*	*	*	*	*	*	*	*	300	294
07:00	*	*	215	245	271	278	*	*	*	*	*	*	*	*	243	262
08:00	*	*	172	175	213	204	*	*	*	*	*	*	*	*	192	190
09:00	*	*	162	113	183	154	*	*	*	*	*	*	*	*	172	134
10:00	*	*	112	94	164	91	*	*	*	*	*	*	*	*	138	92
11:00	*	*	87	63	96	64	*	*	*	*	*	*	*	*	92	64
Total	0	0	4025	4732	4200	4722	0	0	0	0	0	0	0	0	4112	4731
Day	0	0	8757		8922		0	0	0	0	0	0	0	0	8843	
AM Peak			11:00	08:00	11:00	07:00									11:00	07:00
Vol.			202	395	227	369									214	378
PM Peak			17:00	17:00	17:00	16:00									17:00	17:00
Vol.			369	349	373	325									371	327

Comb. Total 0 8757 8922 0 0 0 0 8843

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	67	67	*	*	*	*	67
01:00	*	41	41	*	*	*	*	41
02:00	*	21	22	*	*	*	*	22
03:00	*	21	68	*	*	*	*	44
04:00	*	44	41	*	*	*	*	42
05:00	*	133	136	*	*	*	*	134
06:00	*	326	317	*	*	*	*	322
07:00	*	519	507	*	*	*	*	513
08:00	*	592	537	*	*	*	*	564
09:00	*	476	489	*	*	*	*	482
10:00	*	461	476	*	*	*	*	468
11:00	*	458	463	*	*	*	*	460
12:00 PM	*	540	510	*	*	*	*	525
01:00	*	533	485	*	*	*	*	509
02:00	*	523	524	*	*	*	*	524
03:00	*	630	572	*	*	*	*	601
04:00	*	652	647	*	*	*	*	650
05:00	*	718	678	*	*	*	*	698
06:00	*	564	624	*	*	*	*	594
07:00	*	460	549	*	*	*	*	504
08:00	*	347	417	*	*	*	*	382
09:00	*	275	337	*	*	*	*	306
10:00	*	206	255	*	*	*	*	230
11:00	*	150	160	*	*	*	*	155
Total	0	8757	8922	0	0	0	0	8837
Percentage	0.0%	99.1%	101.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		592	537					564
PM Peak		17:00	17:00					17:00
Vol.		718	678					698

Old Colony Planning Council
 70 School Street
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Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07/14/09	1	1	4	15	14	8	2	0	0	0	0	0	0	0	45
01:00	0	0	0	3	10	5	3	0	0	0	0	0	0	0	21
02:00	0	0	0	5	6	2	0	0	0	0	0	0	0	0	13
03:00	0	0	2	2	3	1	0	0	0	0	0	0	0	0	8
04:00	0	0	0	2	6	1	1	0	0	0	0	0	0	0	10
05:00	0	0	1	10	8	6	0	0	0	0	0	0	0	0	25
06:00	7	3	7	22	38	16	0	0	0	0	0	0	0	0	93
07:00	3	1	8	35	60	22	2	0	0	0	0	0	0	0	131
08:00	11	4	23	69	71	17	2	0	0	0	0	0	0	0	197
09:00	3	1	6	73	82	24	2	0	0	0	0	0	0	0	191
10:00	6	0	5	75	81	11	0	1	0	0	0	0	0	0	179
11:00	14	3	13	70	87	15	0	0	0	0	0	0	0	0	202
12 PM	19	2	20	89	99	31	3	0	0	0	0	0	0	0	263
13:00	13	0	12	85	120	19	3	0	0	0	0	0	0	0	252
14:00	9	0	25	112	111	10	2	0	0	0	0	0	0	0	269
15:00	15	5	32	154	133	16	0	0	1	133	0	0	0	0	356
16:00	12	2	46	160	110	29	0	0	0	0	0	0	0	0	359
17:00	15	1	46	159	122	25	1	0	0	0	0	0	0	0	369
18:00	12	1	22	138	102	13	6	0	0	0	0	0	0	0	294
19:00	5	6	21	77	91	14	1	0	0	0	0	0	0	0	215
20:00	5	10	15	56	68	18	0	0	0	0	0	0	0	0	172
21:00	5	4	12	81	46	14	0	0	0	0	0	0	0	0	162
22:00	2	0	10	51	36	12	1	0	0	0	0	0	0	0	112
23:00	2	0	4	26	37	14	3	0	1	0	0	0	0	0	87
Total	159	44	334	1569	1541	343	32	1	1	1	0	0	0	0	4025

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3110
 Percent in Pace : 77.3%
 Number of Vehicles > 30 MPH : 1919
 Percent of Vehicles > 30 MPH : 47.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07:15/09	1	0	2	8	23	7	0	0	0	0	0	0	0	0	41
01:00	0	0	0	10	9	3	0	0	0	0	0	0	0	0	22
02:00	0	0	3	4	1	2	1	0	0	0	0	0	0	0	11
03:00	0	0	3	14	26	4	0	0	0	0	0	0	0	0	47
04:00	0	0	1	6	4	2	1	0	0	0	0	0	0	0	14
05:00	2	0	1	12	7	5	1	1	0	0	0	0	0	0	29
06:00	2	0	3	16	40	21	1	0	0	0	0	0	0	0	83
07:00	4	0	9	44	65	12	4	0	0	0	0	0	0	0	138
08:00	8	0	17	66	66	17	4	0	0	0	0	0	0	0	178
09:00	8	1	23	68	77	25	1	0	0	0	0	0	0	0	203
10:00	6	0	17	91	78	18	1	0	0	0	0	0	0	0	211
11:00	6	1	29	96	80	15	0	0	0	0	0	0	0	0	227
12 PM	9	0	29	112	94	10	0	1	0	0	0	0	0	0	255
13:00	8	3	28	93	81	18	0	0	0	0	0	0	0	0	231
14:00	16	6	27	96	102	20	2	0	0	0	0	0	0	0	269
15:00	7	5	39	144	95	20	2	0	0	0	0	0	0	0	312
16:00	12	1	33	121	127	27	1	0	0	0	0	0	0	0	322
17:00	17	7	34	152	142	18	3	0	0	0	0	0	0	0	373
18:00	12	5	32	119	111	24	4	0	0	0	0	0	0	0	307
19:00	8	4	34	112	99	14	0	0	0	0	0	0	0	0	271
20:00	8	1	25	107	63	9	0	0	0	0	0	0	0	0	213
21:00	7	2	23	68	71	11	1	0	0	0	0	0	0	0	183
22:00	2	1	13	70	72	5	1	0	0	0	0	0	0	0	164
23:00	1	0	5	27	47	14	1	0	0	0	0	1	0	0	96
Total	144	37	430	1656	1580	321	29	2	0	0	0	1	0	0	4200

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH
 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3236
 Percent in Pace : 77.0%
 Number of Vehicles > 30 MPH : 1933
 Percent of Vehicles > 30 MPH : 46.0%

Grand Total	303	81	764	3225	3121	664	61	3	1	1	0	1	0	0	8225
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6346
 Percent in Pace : 77.2%
 Number of Vehicles > 30 MPH : 3852
 Percent of Vehicles > 30 MPH : 46.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
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 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	1	0	2	6	7	5	1	0	0	0	0	0	0	0	22
01:00	0	0	2	7	4	5	1	0	1	0	0	0	0	0	20
02:00	0	0	2	0	4	2	0	0	0	0	0	0	0	0	8
03:00	0	0	0	7	3	1	1	1	0	0	0	0	0	0	13
04:00	1	0	5	6	8	12	2	0	0	0	0	0	0	0	34
05:00	5	0	6	18	33	34	10	2	0	0	0	0	0	0	108
06:00	2	5	13	75	83	43	11	1	0	0	0	0	0	0	233
07:00	6	1	18	143	164	51	5	0	0	0	0	0	0	0	388
08:00	15	8	51	155	124	39	3	0	0	0	0	0	0	0	395
09:00	7	2	24	121	107	22	2	0	0	0	0	0	0	0	285
10:00	9	2	29	98	120	23	1	0	0	0	0	0	0	0	282
11:00	4	1	20	77	114	36	4	0	0	0	0	0	0	0	256
12 PM	15	4	32	97	101	23	5	0	0	0	0	0	0	0	277
13:00	11	2	29	113	97	25	4	0	0	0	0	0	0	0	281
14:00	9	0	35	90	93	24	2	1	0	0	0	0	0	0	254
15:00	14	4	32	121	81	22	0	0	0	0	0	0	0	0	274
16:00	11	3	28	107	115	25	4	0	0	0	0	0	0	0	293
17:00	30	4	46	135	109	24	1	0	0	0	0	0	0	0	349
18:00	14	1	22	97	110	25	1	0	0	0	0	0	0	0	270
19:00	8	4	26	78	89	34	4	1	1	0	0	0	0	0	245
20:00	11	3	21	51	65	21	3	0	0	0	0	0	0	0	175
21:00	4	1	11	47	37	10	2	0	1	0	0	0	0	0	113
22:00	1	0	16	36	28	9	4	0	0	0	0	0	0	0	94
23:00	2	1	8	23	18	7	4	0	0	0	0	0	0	0	63
Total	180	46	478	1708	1714	522	75	6	3	0	0	0	0	0	4732

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3422
 Percent in Pace : 72.3%
 Number of Vehicles > 30 MPH : 2320
 Percent of Vehicles > 30 MPH : 49.0%

Old Colony Planning Council
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Station ID:
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 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

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
07:15/09	1	1	3	9	9	2	1	0	0	0	0	0	0	0	26
01:00	1	0	3	8	5	0	2	0	0	0	0	0	0	0	19
02:00	0	0	0	1	8	0	1	0	0	1	0	0	0	0	11
03:00	0	0	0	4	10	5	1	1	0	0	0	0	0	0	21
04:00	1	0	3	7	4	11	1	0	0	0	0	0	0	0	27
05:00	3	0	3	22	46	25	5	3	0	0	0	0	0	0	107
06:00	5	1	18	64	92	47	7	0	0	0	0	0	0	0	234
07:00	7	0	30	109	166	51	6	0	0	0	0	0	0	0	369
08:00	16	2	18	129	152	40	2	0	0	0	0	0	0	0	359
09:00	10	0	40	98	104	31	3	0	0	0	0	0	0	0	286
10:00	6	1	26	92	110	25	5	0	0	0	0	0	0	0	265
11:00	4	2	33	77	98	18	3	1	0	0	0	0	0	0	236
12 PM	15	2	22	93	96	24	3	0	0	0	0	0	0	0	255
13:00	9	2	20	107	85	28	3	0	0	0	0	0	0	0	254
14:00	13	1	26	96	85	31	2	1	0	0	0	0	0	0	255
15:00	14	2	22	81	109	28	2	2	0	0	0	0	0	0	260
16:00	13	3	32	140	106	28	2	1	0	0	0	0	0	0	325
17:00	13	2	39	129	93	27	1	1	0	0	0	0	0	0	305
18:00	11	3	33	112	125	31	2	0	0	0	0	0	0	0	317
19:00	16	1	36	93	100	31	1	0	0	0	0	0	0	0	278
20:00	10	1	21	68	73	25	5	1	0	0	0	0	0	0	204
21:00	5	5	25	70	40	8	1	0	0	0	0	0	0	0	154
22:00	4	2	11	31	31	9	3	0	0	0	0	0	0	0	91
23:00	0	3	10	19	15	12	3	0	1	1	0	0	0	0	64
Total	177	34	474	1659	1762	537	65	11	1	2	0	0	0	0	4722

Daily
 15th Percentile : 26 MPH
 50th Percentile : 31 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3421
 Percent in Pace : 72.4%
 Number of Vehicles > 30 MPH : 2378
 Percent of Vehicles > 30 MPH : 50.4%

Grand Total	357	80	952	3367	3476	1059	140	17	4	2	0	0	0	0	9454
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6843
 Percent in Pace : 72.4%
 Number of Vehicles > 30 MPH : 4698
 Percent of Vehicles > 30 MPH : 49.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

SB, NB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07/14/09	2	1	6	21	21	13	3	0	0	0	0	0	0	0	67
01:00	0	0	2	10	14	10	4	0	1	0	0	0	0	0	41
02:00	0	0	2	5	10	4	0	0	0	0	0	0	0	0	21
03:00	0	0	2	9	6	2	1	1	0	0	0	0	0	0	21
04:00	1	0	5	8	14	13	3	0	0	0	0	0	0	0	44
05:00	5	0	7	28	41	40	10	2	0	0	0	0	0	0	133
06:00	9	8	20	97	121	59	11	1	0	0	0	0	0	0	326
07:00	9	2	26	178	224	73	7	0	0	0	0	0	0	0	519
08:00	26	12	74	224	195	56	5	0	0	0	0	0	0	0	592
09:00	10	3	30	194	189	46	4	0	0	0	0	0	0	0	476
10:00	15	2	34	173	201	34	1	1	0	0	0	0	0	0	461
11:00	18	4	33	147	201	51	4	0	0	0	0	0	0	0	458
12 PM	34	6	52	186	200	54	8	0	0	0	0	0	0	0	540
13:00	24	2	41	198	217	44	7	0	0	0	0	0	0	0	533
14:00	18	0	60	202	204	34	4	1	0	0	0	0	0	0	523
15:00	29	9	64	275	214	38	0	0	1	0	0	0	0	0	630
16:00	23	5	74	267	225	54	4	0	0	0	0	0	0	0	652
17:00	45	5	92	294	231	49	2	0	0	0	0	0	0	0	718
18:00	26	2	44	235	212	38	7	0	0	0	0	0	0	0	564
19:00	13	10	47	155	180	48	5	1	1	0	0	0	0	0	460
20:00	16	13	36	107	133	39	3	0	0	0	0	0	0	0	347
21:00	9	5	23	128	83	24	2	0	1	0	0	0	0	0	275
22:00	3	0	26	87	64	21	5	0	0	0	0	0	0	0	206
23:00	4	1	12	49	55	21	7	0	1	0	0	0	0	0	150
Total	339	90	812	3277	3255	865	107	7	4	1	0	0	0	0	8757

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6532
 Percent in Pace : 74.6%
 Number of Vehicles > 30 MPH : 4239
 Percent of Vehicles > 30 MPH : 48.4%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

SB, NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
07/15/09	2	1	5	17	32	9	1	0	0	0	0	0	0	0	0	67
01:00	1	0	3	18	14	3	2	0	0	0	0	0	0	0	0	41
02:00	0	0	3	5	9	2	2	0	0	1	0	0	0	0	0	22
03:00	0	0	3	18	36	9	1	1	0	0	0	0	0	0	0	68
04:00	1	0	4	13	8	13	2	0	0	0	0	0	0	0	0	41
05:00	5	0	4	34	53	30	6	4	0	0	0	0	0	0	0	136
06:00	7	1	21	80	132	68	8	0	0	0	0	0	0	0	0	317
07:00	11	0	39	153	231	63	10	0	0	0	0	0	0	0	0	507
08:00	24	2	35	195	218	57	6	0	0	0	0	0	0	0	0	537
09:00	18	1	63	166	181	56	4	0	0	0	0	0	0	0	0	489
10:00	12	1	43	183	188	43	6	0	0	0	0	0	0	0	0	476
11:00	10	3	62	173	178	33	3	1	0	0	0	0	0	0	0	463
12 PM	24	2	51	205	190	34	3	1	0	0	0	0	0	0	0	510
13:00	17	5	48	200	166	46	3	0	0	0	0	0	0	0	0	485
14:00	29	7	53	192	187	51	4	1	0	0	0	0	0	0	0	524
15:00	21	7	61	225	204	48	4	2	0	0	0	0	0	0	0	572
16:00	25	4	65	261	233	55	3	1	0	0	0	0	0	0	0	647
17:00	30	9	73	281	235	45	4	1	0	0	0	0	0	0	0	678
18:00	23	8	65	231	236	55	6	0	0	0	0	0	0	0	0	624
19:00	24	5	70	205	199	45	1	0	0	0	0	0	0	0	0	549
20:00	18	2	46	175	136	34	5	1	0	0	0	0	0	0	0	417
21:00	12	7	48	138	111	19	2	0	0	0	0	0	0	0	0	337
22:00	6	3	24	101	103	14	4	0	0	0	0	0	0	0	0	255
23:00	1	3	15	46	62	26	4	0	1	1	0	1	0	0	0	160
Total	321	71	904	3315	3342	858	94	13	1	2	0	1	0	0	0	8922

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6657
 Percent in Pace : 74.6%
 Number of Vehicles > 30 MPH : 4311
 Percent of Vehicles > 30 MPH : 48.3%

Grand Total	660	161	1716	6592	6597	1723	201	20	5	3	0	1	0	0	0	17679
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 13189
 Percent in Pace : 74.6%
 Number of Vehicles > 30 MPH : 8550
 Percent of Vehicles > 30 MPH : 48.4%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

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
07/14/09	0	41	3	0	0	1	0	0	0	0	0	0	0	45	1
01:00	0	21	0	0	0	0	0	0	0	0	0	0	0	21	0
02:00	0	13	0	0	0	0	0	0	0	0	0	0	0	13	0
03:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
04:00	1	9	0	0	0	0	0	0	0	0	0	0	0	10	0
05:00	0	18	6	1	0	0	0	0	0	0	0	0	0	25	1
06:00	1	67	20	0	1	2	0	1	1	0	0	0	0	93	5
07:00	2	99	19	1	5	2	0	1	1	0	0	0	0	130	10
08:00	2	149	38	2	5	1	0	0	0	0	0	0	0	197	8
09:00	0	144	38	2	2	5	0	0	0	0	0	0	0	191	9
10:00	2	131	32	0	11	2	0	0	1	0	0	0	0	179	14
11:00	1	163	24	2	7	3	0	1	0	0	0	0	0	201	13
12 PM	3	210	42	2	4	1	0	0	0	0	0	0	0	262	7
13:00	6	196	44	0	4	1	0	0	0	0	0	0	0	251	5
14:00	2	217	37	2	10	0	0	0	1	0	0	0	0	269	13
15:00	3	290	45	0	9	1	0	5	2	0	0	0	0	355	17
16:00	3	293	53	1	4	1	0	3	0	0	1	0	0	359	10
17:00	2	313	42	1	8	2	0	0	0	0	0	0	0	368	11
18:00	5	254	27	0	7	1	0	0	0	0	0	0	0	294	8
19:00	4	187	24	0	0	0	0	0	0	0	0	0	0	215	0
20:00	0	155	13	0	2	2	0	0	0	0	0	0	0	172	4
21:00	1	144	16	0	0	0	0	1	0	0	0	0	0	162	1
22:00	0	96	15	0	1	0	0	0	0	0	0	0	0	112	1
23:00	0	82	4	0	1	0	0	0	0	0	0	0	0	87	1
Total	38	3299	543	14	81	25	0	12	6	0	1	0	0	4019	139
Percent	0.9%	82.1%	13.5%	0.3%	2.0%	0.6%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		3.5%
AM Peak	07:00	11:00	08:00	08:00	10:00	09:00		06:00	06:00					11:00	10:00
Vol.	2	163	38	2	11	5		1	1					201	14
PM Peak	13:00	17:00	16:00	12:00	14:00	17:00		15:00	15:00		16:00			17:00	15:00
Vol.	6	313	53	2	10	2		5	2		1			368	17

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

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
07/15/09	0	36	5	0	0	0	0	0	0	0	0	0	0	41	0
01:00	0	20	2	0	0	0	0	0	0	0	0	0	0	22	0
02:00	0	11	0	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	46	1	0	0	0	0	0	0	0	0	0	0	47	0
04:00	0	10	3	0	0	1	0	0	0	0	0	0	0	14	1
05:00	0	22	7	0	0	0	0	0	0	0	0	0	0	29	0
06:00	1	66	12	0	3	1	0	0	0	0	0	0	0	83	4
07:00	2	111	19	1	2	1	0	0	1	0	0	0	0	137	5
08:00	1	139	26	1	7	2	0	1	0	0	0	0	0	177	11
09:00	1	151	39	1	8	2	0	0	0	0	0	0	0	202	11
10:00	1	163	36	2	4	2	1	2	0	0	0	0	0	211	11
11:00	1	173	43	0	5	3	0	1	0	0	0	0	0	226	9
12 PM	1	209	32	0	7	3	1	1	0	0	0	0	0	254	12
13:00	1	176	40	4	6	1	0	2	1	0	0	0	0	231	14
14:00	2	212	45	1	7	1	0	1	0	0	0	0	0	269	10
15:00	2	253	47	1	6	2	0	0	1	0	0	0	0	312	10
16:00	2	270	41	0	4	1	0	4	0	0	0	0	0	322	9
17:00	4	314	45	1	2	1	0	5	0	0	0	0	0	372	9
18:00	5	264	32	0	6	0	0	0	0	0	0	0	0	307	6
19:00	2	236	27	1	4	0	0	0	0	0	0	0	0	270	5
20:00	0	183	26	0	3	0	0	0	0	0	0	0	0	212	3
21:00	1	169	13	0	0	0	0	0	0	0	0	0	0	183	0
22:00	1	147	15	0	1	0	0	0	0	0	0	0	0	164	1
23:00	0	87	6	0	3	0	0	0	0	0	0	0	0	96	3
Total	28	3468	562	13	78	21	2	17	3	0	0	0	0	4192	134
Percent	0.7%	82.7%	13.4%	0.3%	1.9%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		3.2%
AM Peak	07:00	11:00	11:00	10:00	09:00	11:00	10:00	10:00	07:00					11:00	08:00
Vol.	2	173	43	2	8	3	1	2	1					226	11
PM Peak	18:00	17:00	15:00	13:00	12:00	12:00	12:00	17:00	13:00					17:00	13:00
Vol.	5	314	47	4	7	3	1	5	1					372	14
Grand Total	66	6767	1105	27	159	46	2	29	9	0	1	0	0	8211	273
Percent	0.8%	82.4%	13.5%	0.3%	1.9%	0.6%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		3.3%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

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
07/14/09	0	20	2	0	0	0	0	0	0	0	0	0	0	22	0
01:00	0	17	2	0	1	0	0	0	0	0	0	0	0	20	1
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	7	5	0	0	0	0	1	0	0	0	0	0	13	1
04:00	1	26	5	1	0	1	0	0	0	0	0	0	0	34	2
05:00	0	74	28	0	3	2	0	1	0	0	0	0	0	108	6
06:00	1	167	55	2	5	1	0	1	1	0	0	0	0	233	10
07:00	0	312	59	3	7	1	0	5	1	0	0	0	0	388	17
08:00	1	313	66	0	9	2	0	1	2	0	0	0	0	394	14
09:00	0	208	51	0	20	1	0	1	4	0	0	0	0	285	26
10:00	0	208	51	2	11	5	1	2	1	0	0	0	0	281	22
11:00	1	198	42	1	11	1	0	2	0	0	0	0	0	256	15
12 PM	0	204	54	5	10	3	0	1	0	0	0	0	0	277	19
13:00	1	214	48	3	11	0	0	3	0	0	0	0	0	280	17
14:00	0	193	50	4	5	1	0	0	1	0	0	0	0	254	11
15:00	1	205	52	2	6	4	0	1	2	0	0	0	0	273	15
16:00	1	233	56	0	2	0	0	0	1	0	0	0	0	293	3
17:00	1	275	66	1	4	1	0	0	1	0	0	0	0	349	7
18:00	0	226	35	1	6	1	0	0	0	0	0	0	0	269	8
19:00	0	211	31	0	2	0	0	0	1	0	0	0	0	245	3
20:00	0	146	28	0	0	0	0	0	0	0	0	0	0	174	0
21:00	0	95	13	0	2	2	0	0	0	0	0	0	0	112	4
22:00	0	81	13	0	0	0	0	0	0	0	0	0	0	94	0
23:00	0	56	7	0	0	0	0	0	0	0	0	0	0	63	0
Total	8	3696	820	25	115	26	1	19	15	0	0	0	0	4725	201
Percent	0.2%	78.2%	17.4%	0.5%	2.4%	0.6%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		4.3%
AM Peak	04:00	08:00	08:00	07:00	09:00	10:00	10:00	07:00	09:00					08:00	09:00
Vol.	1	313	66	3	20	5	1	5	4					394	26
PM Peak	13:00	17:00	17:00	12:00	13:00	15:00		13:00	15:00					17:00	12:00
Vol.	1	275	66	5	11	4		3	2					349	19

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #10
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Pleasant St (139), south of Lincoln St

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	
07/15/09	0	23	3	0	0	0	0	0	0	0	0	0	0	26	0	
01:00	0	18	1	0	0	0	0	0	0	0	0	0	0	19	0	
02:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11	0	
03:00	0	15	3	0	1	0	0	2	0	0	0	0	0	21	3	
04:00	0	22	5	0	0	0	0	0	0	0	0	0	0	27	0	
05:00	0	67	33	0	3	2	0	1	0	0	0	0	0	106	6	
06:00	1	168	56	1	4	0	0	3	0	0	0	0	0	233	8	
07:00	1	298	56	3	7	2	0	1	1	0	0	0	0	369	14	
08:00	0	295	55	2	5	1	0	0	0	0	0	0	0	358	8	
09:00	0	220	50	2	13	0	0	0	1	0	0	0	0	286	16	
10:00	1	198	50	2	8	3	1	0	2	0	0	0	0	265	16	
11:00	0	177	42	3	9	5	0	0	0	0	0	0	0	236	17	
12 PM	0	203	47	0	1	1	0	1	2	0	0	0	0	255	5	
13:00	0	198	43	2	5	0	0	2	3	0	0	0	0	253	12	
14:00	1	198	38	2	7	7	1	1	0	0	0	0	0	255	18	
15:00	0	205	44	0	9	1	0	0	0	0	0	0	0	259	10	
16:00	0	252	65	0	5	1	0	1	1	0	0	0	0	325	8	
17:00	1	254	43	1	3	0	0	2	0	0	0	0	0	304	6	
18:00	3	260	46	1	6	0	0	0	1	0	0	0	0	317	8	
19:00	0	237	34	1	2	0	0	1	2	0	0	0	0	277	6	
20:00	0	164	31	0	6	2	0	0	0	0	0	0	0	203	8	
21:00	0	130	22	0	2	0	0	0	0	0	0	0	0	154	2	
22:00	1	78	10	0	2	0	0	0	0	0	0	0	0	91	2	
23:00	0	50	10	0	4	0	0	0	0	0	0	0	0	64	4	
Total	9	3739	789	20	102	25	2	15	13	0	0	0	0	4714	177	
Percent	0.2%	79.3%	16.7%	0.4%	2.2%	0.5%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		3.8%	
AM Peak	06:00	07:00	06:00	07:00	09:00	11:00	10:00	06:00	10:00					07:00	11:00	
Vol.	1	298	56	3	13	5	1	3	2					369	17	
PM Peak	18:00	18:00	16:00	13:00	15:00	14:00	14:00	13:00	13:00					16:00	14:00	
Vol.	3	260	65	2	9	7	1	2	3					325	18	
Grand Total	17	7435	1609	45	217	51	3	34	28	0	0	0	0	9439	378	
Percent	0.2%	78.8%	17.0%	0.5%	2.3%	0.5%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		4.0%	

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #10
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Pleasant St (139), south of Lincoln St

SB, 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
	07/14/09	0	61	5	0	0	1	0	0	0	0	0	0	0	67	1
	01:00	0	38	2	0	1	0	0	0	0	0	0	0	0	41	1
	02:00	0	20	1	0	0	0	0	0	0	0	0	0	0	21	0
	03:00	0	14	6	0	0	0	0	1	0	0	0	0	0	21	1
	04:00	2	35	5	1	0	1	0	0	0	0	0	0	0	44	2
	05:00	0	92	34	1	3	2	0	1	0	0	0	0	0	133	7
	06:00	2	234	75	2	6	3	0	2	2	0	0	0	0	326	15
	07:00	2	411	78	4	12	3	0	6	2	0	0	0	0	518	27
	08:00	3	462	104	2	14	3	0	1	2	0	0	0	0	591	22
	09:00	0	352	89	2	22	6	0	1	4	0	0	0	0	476	35
	10:00	2	339	83	2	22	7	1	2	2	0	0	0	0	460	36
	11:00	2	361	66	3	18	4	0	3	0	0	0	0	0	457	28
	12 PM	3	414	96	7	14	4	0	1	0	0	0	0	0	539	26
	13:00	7	410	92	3	15	1	0	3	0	0	0	0	0	531	22
	14:00	2	410	87	6	15	1	0	0	2	0	0	0	0	523	24
	15:00	4	495	97	2	15	5	0	6	4	0	0	0	0	628	32
	16:00	4	526	109	1	6	1	0	3	1	0	1	0	0	652	13
	17:00	3	588	108	2	12	3	0	0	1	0	0	0	0	717	18
	18:00	5	480	62	1	13	2	0	0	0	0	0	0	0	563	16
	19:00	4	398	55	0	2	0	0	0	1	0	0	0	0	460	3
	20:00	0	301	41	0	2	2	0	0	0	0	0	0	0	346	4
	21:00	1	239	29	0	2	2	0	1	0	0	0	0	0	274	5
	22:00	0	177	28	0	1	0	0	0	0	0	0	0	0	206	1
	23:00	0	138	11	0	1	0	0	0	0	0	0	0	0	150	1
	Total	46	6995	1363	39	196	51	1	31	21	0	1	0	0	8744	340
	Percent	0.5%	80.0%	15.6%	0.4%	2.2%	0.6%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		3.9%
AM Peak	08:00	08:00	08:00	07:00	09:00	10:00	10:00	07:00	09:00						08:00	10:00
Vol.	3	462	104	4	22	7	1	6	4						591	36
PM Peak	13:00	17:00	16:00	12:00	13:00	15:00		15:00	15:00			16:00			17:00	15:00
Vol.	7	588	109	7	15	5		6	4			1			717	32

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Lincoln St

SB, 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
	07/15/09	0	59	8	0	0	0	0	0	0	0	0	0	0	67	0
	01:00	0	38	3	0	0	0	0	0	0	0	0	0	0	41	0
	02:00	0	20	2	0	0	0	0	0	0	0	0	0	0	22	0
	03:00	0	61	4	0	1	0	0	2	0	0	0	0	0	68	3
	04:00	0	32	8	0	0	1	0	0	0	0	0	0	0	41	1
	05:00	0	89	40	0	3	2	0	1	0	0	0	0	0	135	6
	06:00	2	234	68	1	7	1	0	3	0	0	0	0	0	316	12
	07:00	3	409	75	4	9	3	0	1	2	0	0	0	0	506	19
	08:00	1	434	81	3	12	3	0	1	0	0	0	0	0	535	19
	09:00	1	371	89	3	21	2	0	0	1	0	0	0	0	488	27
	10:00	2	361	86	4	12	5	2	2	2	0	0	0	0	476	27
	11:00	1	350	85	3	14	8	0	1	0	0	0	0	0	462	26
	12 PM	1	412	79	0	8	4	1	2	2	0	0	0	0	509	17
	13:00	1	374	83	6	11	1	0	4	4	0	0	0	0	484	26
	14:00	3	410	83	3	14	8	1	2	0	0	0	0	0	524	28
	15:00	2	458	91	1	15	3	0	0	1	0	0	0	0	571	20
	16:00	2	522	106	0	9	2	0	5	1	0	0	0	0	647	17
	17:00	5	568	88	2	5	1	0	7	0	0	0	0	0	676	15
	18:00	8	524	78	1	12	0	0	0	1	0	0	0	0	624	14
	19:00	2	473	61	2	6	0	0	1	2	0	0	0	0	547	11
	20:00	0	347	57	0	9	2	0	0	0	0	0	0	0	415	11
	21:00	1	299	35	0	2	0	0	0	0	0	0	0	0	337	2
	22:00	2	225	25	0	3	0	0	0	0	0	0	0	0	255	3
	23:00	0	137	16	0	7	0	0	0	0	0	0	0	0	160	7
	Total	37	7207	1351	33	180	46	4	32	16	0	0	0	0	8906	311
	Percent	0.4%	80.9%	15.2%	0.4%	2.0%	0.5%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		3.5%
	AM Peak	07:00	08:00	09:00	07:00	09:00	11:00	10:00	06:00	07:00					08:00	09:00
	Vol.	3	434	89	4	21	8	2	3	2					535	27
	PM Peak	18:00	17:00	16:00	13:00	15:00	14:00	12:00	17:00	13:00					17:00	14:00
	Vol.	8	568	106	6	15	8	1	7	4					676	28
	Grand Total	83	14202	2714	72	376	97	5	63	37	0	1	0	0	17650	651
	Percent	0.5%	80.5%	15.4%	0.4%	2.1%	0.5%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		3.7%

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #12
Tube Layout: L6 Basic

Station ID:
Site Code: 285
Date Start: 23-Sep-08
Date End: 24-Sep-08
Pleasant St (139), south of Central St

Start Time	22-Sep-08		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	*	*	22	24	19	40	*	*	*	*	*	*	*	*	20	32
01:00	*	*	11	13	8	14	*	*	*	*	*	*	*	*	10	14
02:00	*	*	5	11	5	11	*	*	*	*	*	*	*	*	5	11
03:00	*	*	11	8	7	6	*	*	*	*	*	*	*	*	9	7
04:00	*	*	46	9	34	10	*	*	*	*	*	*	*	*	40	10
05:00	*	*	114	20	123	19	*	*	*	*	*	*	*	*	118	20
06:00	*	*	272	101	272	96	*	*	*	*	*	*	*	*	272	98
07:00	*	*	567	214	560	207	*	*	*	*	*	*	*	*	564	210
08:00	*	*	482	244	470	282	*	*	*	*	*	*	*	*	476	263
09:00	*	*	260	169	227	172	*	*	*	*	*	*	*	*	244	170
10:00	*	*	224	190	188	186	*	*	*	*	*	*	*	*	206	188
11:00	*	*	211	235	202	228	*	*	*	*	*	*	*	*	206	232
12:00 PM	*	*	240	247	216	270	*	*	*	*	*	*	*	*	228	258
01:00	*	*	210	240	218	257	*	*	*	*	*	*	*	*	214	248
02:00	*	*	253	343	306	284	*	*	*	*	*	*	*	*	280	314
03:00	*	*	268	375	304	420	*	*	*	*	*	*	*	*	286	398
04:00	*	*	279	343	263	384	*	*	*	*	*	*	*	*	271	364
05:00	*	*	287	421	323	467	*	*	*	*	*	*	*	*	305	444
06:00	*	*	252	347	267	334	*	*	*	*	*	*	*	*	260	340
07:00	*	*	249	282	198	244	*	*	*	*	*	*	*	*	224	263
08:00	*	*	155	167	147	171	*	*	*	*	*	*	*	*	151	169
09:00	*	*	97	138	115	138	*	*	*	*	*	*	*	*	106	138
10:00	*	*	64	104	75	100	*	*	*	*	*	*	*	*	70	102
11:00	*	*	42	74	48	84	*	*	*	*	*	*	*	*	45	79
Total Day	0	0	4621	4319	4595	4424	0	0	0	0	0	0	0	0	4610	4372
AM Peak Vol.			07:00	08:00	07:00	08:00									07:00	08:00
PM Peak Vol.			17:00	17:00	17:00	17:00									17:00	17:00
Comb. Total	0		8940		9019		0		0		0		0		8982	

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

Start Time	22-Sep-08 Mon	23-Sep-08 Tue	24-Sep-08 Wed	25-Sep-08 Thu	26-Sep-08 Fri	27-Sep-08 Sat	28-Sep-08 Sun	Week Average
12:00 AM	*	46	59	*	*	*	*	52
01:00	*	24	22	*	*	*	*	23
02:00	*	16	16	*	*	*	*	16
03:00	*	19	13	*	*	*	*	16
04:00	*	55	44	*	*	*	*	50
05:00	*	134	142	*	*	*	*	138
06:00	*	373	368	*	*	*	*	370
07:00	*	781	767	*	*	*	*	774
08:00	*	726	752	*	*	*	*	739
09:00	*	429	399	*	*	*	*	414
10:00	*	414	374	*	*	*	*	394
11:00	*	446	430	*	*	*	*	438
12:00 PM	*	487	486	*	*	*	*	486
01:00	*	450	475	*	*	*	*	462
02:00	*	596	590	*	*	*	*	593
03:00	*	643	724	*	*	*	*	684
04:00	*	622	647	*	*	*	*	634
05:00	*	708	790	*	*	*	*	749
06:00	*	599	601	*	*	*	*	600
07:00	*	531	442	*	*	*	*	486
08:00	*	322	318	*	*	*	*	320
09:00	*	235	253	*	*	*	*	244
10:00	*	168	175	*	*	*	*	172
11:00	*	116	132	*	*	*	*	124
Total	0	8940	9019	0	0	0	0	8978
Percentage	0.0%	99.6%	100.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		781	767					774
PM Peak		17:00	17:00					17:00
Vol.		708	790					749

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/23/08	0	0	0	0	2	11	8	1	0	0	0	0	0	0	22
01:00	0	0	0	2	3	3	3	0	0	0	0	0	0	0	11
02:00	1	0	1	0	1	0	0	0	2	0	0	0	0	0	5
03:00	0	0	0	0	1	3	4	2	1	0	0	0	0	0	11
04:00	1	0	1	0	3	22	12	6	1	0	0	0	0	0	46
05:00	1	0	1	2	15	56	32	4	2	1	0	0	0	0	114
06:00	6	0	0	9	48	138	58	11	2	0	0	0	0	0	272
07:00	16	0	13	51	180	233	69	5	0	0	0	0	0	0	567
08:00	26	5	16	25	152	192	56	10	0	0	0	0	0	0	482
09:00	8	1	2	19	62	107	48	9	4	0	0	0	0	0	260
10:00	4	0	1	11	61	104	41	2	0	0	0	0	0	0	224
11:00	13	2	6	17	66	80	23	3	0	1	0	0	0	0	211
12 PM	15	1	2	23	65	89	38	4	2	1	0	0	0	0	240
13:00	3	0	2	5	50	85	56	9	0	0	0	0	0	0	210
14:00	12	2	3	8	59	108	53	6	1	0	0	0	0	1	253
15:00	14	1	3	10	65	112	53	9	0	0	0	1	0	0	268
16:00	6	3	4	14	43	140	56	11	2	0	0	0	0	0	279
17:00	20	2	2	9	66	113	65	8	2	0	0	0	0	0	287
18:00	13	1	8	11	55	113	47	4	0	0	0	0	0	0	252
19:00	25	0	3	18	65	103	30	4	1	0	0	0	0	0	249
20:00	10	0	3	6	45	60	24	4	2	1	0	0	0	0	155
21:00	8	0	0	9	24	31	19	5	1	0	0	0	0	0	97
22:00	3	0	3	4	9	27	12	4	1	1	0	0	0	0	64
23:00	1	0	0	1	14	13	9	3	1	0	0	0	0	0	42
Total	206	18	74	254	1154	1943	816	124	25	5	0	1	0	1	4621

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/24/08	2	0	0	0	3	6	8	0	0	0	0	0	0	0	19
01:00	0	0	0	0	1	6	1	0	0	0	0	0	0	0	8
02:00	0	0	0	0	3	0	2	0	0	0	0	0	0	0	5
03:00	0	0	0	0	0	2	3	1	1	0	0	0	0	0	7
04:00	1	0	0	0	4	10	9	7	2	1	0	0	0	0	34
05:00	2	0	1	1	21	54	34	9	1	0	0	0	0	0	123
06:00	11	0	1	3	58	127	57	12	3	0	0	0	0	0	272
07:00	8	1	4	30	180	250	79	8	0	0	0	0	0	0	560
08:00	14	0	1	27	155	190	73	10	0	0	0	0	0	0	470
09:00	8	0	4	13	55	102	38	6	1	0	0	0	0	0	227
10:00	7	2	2	14	35	84	37	6	1	0	0	0	0	0	188
11:00	5	1	1	7	54	97	29	7	0	1	0	0	0	0	202
12 PM	8	1	3	8	60	93	37	5	0	1	0	0	0	0	216
13:00	5	0	2	8	62	87	44	8	1	0	1	0	0	0	218
14:00	21	5	3	10	63	141	53	10	0	0	0	0	0	0	306
15:00	14	0	7	8	63	133	64	14	0	1	0	0	0	0	304
16:00	13	1	2	7	55	122	56	7	0	0	0	0	0	0	263
17:00	16	4	7	18	78	136	55	5	3	0	1	0	0	0	323
18:00	13	1	1	23	74	106	43	4	1	0	0	1	0	0	267
19:00	5	3	5	13	61	80	25	6	0	0	0	0	0	0	198
20:00	8	0	1	6	25	72	28	6	1	0	0	0	0	0	147
21:00	3	2	6	3	22	49	26	4	0	0	0	0	0	0	115
22:00	0	0	1	6	18	36	13	1	0	0	0	0	0	0	75
23:00	4	0	1	3	11	14	11	3	1	0	0	0	0	0	48
Total	168	21	53	208	1161	1997	825	139	16	4	2	1	0	0	4595
Grand Total	374	39	127	462	2315	3940	1641	263	41	9	2	2	0	1	9216

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

Stats
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 6255
 Percent in Pace : 67.9%
 Number of Vehicles > 30 MPH : 8214
 Percent of Vehicles > 30 MPH : 89.1%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
09/23/08	0	0	0	1	5	7	8	3	0	0	0	0	0	0	24
01:00	0	0	0	0	0	5	7	1	0	0	0	0	0	0	13
02:00	1	0	1	0	1	1	3	3	1	0	0	0	0	0	11
03:00	0	0	0	0	3	3	1	1	0	0	0	0	0	0	8
04:00	0	0	0	0	2	4	2	0	1	0	0	0	0	0	9
05:00	1	0	1	1	3	9	2	1	2	0	0	0	0	0	20
06:00	5	0	2	2	12	47	28	2	3	0	0	0	0	0	101
07:00	20	0	6	8	43	80	51	4	2	0	0	0	0	0	214
08:00	16	1	4	8	42	117	51	4	1	0	0	0	0	0	244
09:00	7	2	2	3	36	68	47	4	0	0	0	0	0	0	169
10:00	11	0	1	1	37	88	43	9	0	0	0	0	0	0	190
11:00	6	1	1	5	57	103	51	11	0	0	0	0	0	0	235
12 PM	16	1	7	4	29	104	75	11	0	0	0	0	0	0	247
13:00	7	0	3	4	40	115	60	10	1	0	0	0	0	0	240
14:00	11	0	9	19	43	162	85	12	1	1	0	0	0	0	343
15:00	15	1	3	7	47	183	105	13	1	0	0	0	0	0	375
16:00	16	0	3	3	31	154	121	13	2	0	0	0	0	0	343
17:00	18	3	8	6	70	185	119	12	0	0	0	0	0	0	421
18:00	22	1	4	18	71	151	74	5	1	0	0	0	0	0	347
19:00	26	2	6	5	40	147	45	10	1	0	0	0	0	0	282
20:00	10	0	0	4	25	79	40	9	0	0	0	0	0	0	167
21:00	10	0	0	2	25	65	29	7	0	0	0	0	0	0	138
22:00	7	3	1	0	17	31	40	4	0	1	0	0	0	0	104
23:00	3	0	0	0	13	30	20	6	2	0	0	0	0	0	74
Total	228	15	62	101	692	1938	1107	155	19	2	0	0	0	0	4319

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
09/24/08	2	0	0	0	9	15	9	4	0	0	1	0	0	0	40
01:00	1	0	0	0	2	6	3	2	0	0	0	0	0	0	14
02:00	0	0	0	0	3	3	0	2	3	0	0	0	0	0	11
03:00	0	0	0	0	1	3	1	0	1	0	0	0	0	0	6
04:00	0	0	0	0	0	4	4	2	0	0	0	0	0	0	10
05:00	2	0	0	0	3	8	4	2	0	0	0	0	0	0	19
06:00	6	0	2	1	15	37	24	7	4	0	0	0	0	0	96
07:00	13	0	7	10	39	86	41	8	2	1	0	0	0	0	207
08:00	31	0	3	12	64	105	56	11	0	0	0	0	0	0	282
09:00	13	2	4	6	23	68	49	6	1	0	0	0	0	0	172
10:00	9	0	1	3	23	86	54	9	1	0	0	0	0	0	186
11:00	10	0	1	5	45	96	62	8	1	0	0	0	0	0	228
12 PM	16	1	1	5	49	119	63	13	3	0	0	0	0	0	270
13:00	9	1	1	7	48	112	70	7	2	0	0	0	0	0	257
14:00	14	0	3	4	31	138	83	10	1	0	0	0	0	0	284
15:00	20	0	2	12	72	181	121	11	1	0	0	0	0	0	420
16:00	12	0	1	15	62	160	118	15	1	0	0	0	0	0	384
17:00	20	2	3	13	88	222	101	14	3	1	0	0	0	0	467
18:00	11	0	4	4	72	182	55	6	0	0	0	0	0	0	334
19:00	20	3	1	19	33	105	57	6	0	0	0	0	0	0	244
20:00	4	1	1	3	26	91	38	6	1	0	0	0	0	0	171
21:00	6	0	1	0	18	74	36	1	1	0	1	0	0	0	138
22:00	2	1	1	1	17	44	26	6	2	0	0	0	0	0	100
23:00	1	0	0	1	5	51	20	6	0	0	0	0	0	0	84
Total	222	11	37	121	748	1996	1095	162	28	2	2	0	0	0	4424
Grand Total	450	26	99	222	1440	3934	2202	317	47	4	2	0	0	0	8743

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

Stats
 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 6136
 Percent in Pace : 70.2%
 Number of Vehicles > 30 MPH : 7946
 Percent of Vehicles > 30 MPH : 90.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
09/23/08	0	0	0	1	7	18	16	4	0	0	0	0	0	0	46
01:00	0	0	0	2	3	8	10	1	0	0	0	0	0	0	24
02:00	2	0	2	0	2	1	3	3	3	0	0	0	0	0	16
03:00	0	0	0	0	4	6	5	3	1	0	0	0	0	0	19
04:00	1	0	1	0	5	26	14	6	2	0	0	0	0	0	55
05:00	2	0	2	3	18	65	34	5	4	1	0	0	0	0	134
06:00	11	0	2	11	60	185	86	13	5	0	0	0	0	0	373
07:00	36	0	19	59	223	313	120	9	2	0	0	0	0	0	781
08:00	42	6	20	33	194	309	107	14	1	0	0	0	0	0	726
09:00	15	3	4	22	98	175	95	13	4	0	0	0	0	0	429
10:00	15	0	2	12	98	192	84	11	0	0	0	0	0	0	414
11:00	19	3	7	22	123	183	74	14	0	1	0	0	0	0	446
12 PM	31	2	9	27	94	193	113	15	2	1	0	0	0	0	487
13:00	10	0	5	9	90	200	116	19	1	0	0	0	0	0	450
14:00	23	2	12	27	102	270	138	18	2	1	0	0	0	1	596
15:00	29	2	6	17	112	295	158	22	1	0	0	1	0	0	643
16:00	22	3	7	17	74	294	177	24	4	0	0	0	0	0	622
17:00	38	5	10	15	136	298	184	20	2	0	0	0	0	0	708
18:00	35	2	12	29	126	264	121	9	1	0	0	0	0	0	599
19:00	51	2	9	23	105	250	75	14	2	0	0	0	0	0	531
20:00	20	0	3	10	70	139	64	13	2	1	0	0	0	0	322
21:00	18	0	0	11	49	96	48	12	1	0	0	0	0	0	235
22:00	10	3	4	4	26	58	52	8	1	2	0	0	0	0	168
23:00	4	0	0	1	27	43	29	9	3	0	0	0	0	0	116
Total	434	33	136	355	1846	3881	1923	279	44	7	0	1	0	1	8940

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
09/24/08	4	0	0	0	12	21	17	4	0	0	1	0	0	0	59
01:00	1	0	0	0	3	12	4	2	0	0	0	0	0	0	22
02:00	0	0	0	0	6	3	2	2	3	0	0	0	0	0	16
03:00	0	0	0	0	1	5	4	1	2	0	0	0	0	0	13
04:00	1	0	0	0	4	14	13	9	2	1	0	0	0	0	44
05:00	4	0	1	1	24	62	38	11	1	0	0	0	0	0	142
06:00	17	0	3	4	73	164	81	19	7	0	0	0	0	0	368
07:00	21	1	11	40	219	336	120	16	2	1	0	0	0	0	767
08:00	45	0	4	39	219	295	129	21	0	0	0	0	0	0	752
09:00	21	2	8	19	78	170	87	12	2	0	0	0	0	0	399
10:00	16	2	3	17	58	170	91	15	2	0	0	0	0	0	374
11:00	15	1	2	12	99	193	91	15	1	1	0	0	0	0	430
12 PM	24	2	4	13	109	212	100	18	3	1	0	0	0	0	486
13:00	14	1	3	15	110	199	114	15	3	0	1	0	0	0	475
14:00	35	5	6	14	94	279	136	20	1	0	0	0	0	0	590
15:00	34	0	9	20	135	314	185	25	1	1	0	0	0	0	724
16:00	25	1	3	22	117	282	174	22	1	0	0	0	0	0	647
17:00	36	6	10	31	166	358	156	19	6	1	1	0	0	0	790
18:00	24	1	5	27	146	288	98	10	1	0	0	1	0	0	601
19:00	25	6	6	32	94	185	82	12	0	0	0	0	0	0	442
20:00	12	1	2	9	51	163	66	12	2	0	0	0	0	0	318
21:00	9	2	7	3	40	123	62	5	1	0	1	0	0	0	253
22:00	2	1	2	7	35	80	39	7	2	0	0	0	0	0	175
23:00	5	0	1	4	16	65	31	9	1	0	0	0	0	0	132
Total	390	32	90	329	1909	3993	1920	301	44	6	4	1	0	0	9019
Grand Total	824	65	226	684	3755	7874	3843	580	88	13	4	2	0	1	17959

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

Stats Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 11717
 Percent in Pace : 65.2%
 Number of Vehicles > 30 MPH : 16160
 Percent of Vehicles > 30 MPH : 90.0%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
	09/23/08	0	18	3	0	1	0	0	0	0	0	0	0	0	22	1
	01:00	0	8	2	0	1	0	0	0	0	0	0	0	0	11	1
	02:00	0	2	2	0	1	0	0	0	0	0	0	0	0	5	1
	03:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11	0
	04:00	0	32	11	1	1	1	0	0	0	0	0	0	0	46	3
	05:00	1	83	27	0	2	0	0	1	0	0	0	0	0	114	3
	06:00	1	208	52	3	5	0	0	3	0	0	0	0	0	272	11
	07:00	4	437	104	2	14	2	0	3	1	0	0	0	0	567	22
	08:00	3	357	104	4	13	0	0	0	1	0	0	0	0	482	18
	09:00	1	187	54	2	11	1	0	1	3	0	0	0	0	260	18
	10:00	2	152	56	1	11	1	0	0	1	0	0	0	0	224	14
	11:00	0	158	44	1	8	0	0	0	0	0	0	0	0	211	9
	12 PM	3	154	66	3	9	2	0	2	1	0	0	0	0	240	17
	13:00	1	164	32	1	9	2	0	1	0	0	0	0	0	210	13
	14:00	3	164	69	3	10	1	0	2	0	0	0	0	0	252	16
	15:00	2	199	53	2	11	1	0	0	0	0	0	0	0	268	14
	16:00	2	207	57	2	4	2	0	2	2	0	0	0	0	278	12
	17:00	2	210	61	4	6	2	1	2	0	0	0	0	0	288	15
	18:00	4	185	56	0	5	1	0	0	0	0	0	0	0	251	6
	19:00	2	200	39	1	3	3	0	1	0	0	0	0	0	249	8
	20:00	1	125	27	0	2	0	0	0	0	0	0	0	0	155	2
	21:00	1	84	12	0	0	0	0	0	0	0	0	0	0	97	0
	22:00	0	53	11	0	0	0	0	0	0	0	0	0	0	64	0
	23:00	0	37	5	0	0	0	0	0	0	0	0	0	0	42	0
	Total	33	3431	951	30	127	19	1	18	9	0	0	0	0	4619	204
	Percent	0.7%	74.3%	20.6%	0.6%	2.7%	0.4%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		4.4%
	AM Peak	07:00	07:00	07:00	08:00	07:00	07:00		06:00	09:00					07:00	07:00
	Vol.	4	437	104	4	14	2		3	3					567	22
	PM Peak	18:00	17:00	14:00	17:00	15:00	19:00	17:00	12:00	16:00					17:00	12:00
	Vol.	4	210	69	4	11	3	1	2	2					288	17

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
	09/24/08	0	14	2	0	2	0	0	0	0	0	0	0	0	18	2
	01:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
	02:00	0	3	1	0	1	0	0	0	0	0	0	0	0	5	1
	03:00	0	2	3	0	0	0	0	1	1	0	0	0	0	7	2
	04:00	0	24	9	0	1	0	0	0	0	0	0	0	0	34	1
	05:00	0	84	34	0	3	0	0	2	0	0	0	0	0	123	5
	06:00	2	206	54	3	2	2	0	2	0	0	0	0	0	271	9
	07:00	2	444	97	2	7	1	0	4	3	0	0	0	0	560	17
	08:00	5	346	95	1	15	4	0	2	1	0	0	0	0	469	23
	09:00	0	170	38	4	7	4	1	0	3	0	0	0	0	227	19
	10:00	0	129	39	1	13	2	0	0	3	0	0	0	0	187	19
	11:00	0	137	51	1	8	3	0	1	1	0	0	0	0	202	14
	12 PM	1	154	47	2	4	2	0	4	2	0	0	0	0	216	14
	13:00	2	154	44	3	12	3	0	0	0	0	0	0	0	218	18
	14:00	0	220	63	4	12	3	0	3	1	0	0	0	0	306	23
	15:00	2	226	56	2	15	1	0	0	1	0	0	0	0	303	19
	16:00	2	189	58	0	12	1	0	0	1	0	0	0	0	263	14
	17:00	5	249	62	0	3	0	0	2	1	0	0	0	0	322	6
	18:00	3	213	46	0	4	1	0	0	0	0	0	0	0	267	5
	19:00	0	151	42	0	3	2	0	0	0	0	0	0	0	198	5
	20:00	1	127	17	0	1	1	0	0	0	0	0	0	0	147	2
	21:00	0	96	17	0	2	0	0	0	0	0	0	0	0	115	2
	22:00	1	56	17	0	1	0	0	0	0	0	0	0	0	75	1
	23:00	1	39	6	0	2	0	0	0	0	0	0	0	0	48	2
	Total	27	3441	898	23	130	30	1	21	18	0	0	0	0	4589	223
	Percent	0.6%	75.0%	19.6%	0.5%	2.8%	0.7%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		4.9%
	AM Peak	08:00	07:00	07:00	09:00	08:00	08:00	09:00	07:00	07:00					07:00	08:00
	Vol.	5	444	97	4	15	4	1	4	3					560	23
	PM Peak	17:00	17:00	14:00	14:00	15:00	13:00		12:00	12:00					17:00	14:00
	Vol.	5	249	63	4	15	3		4	2					322	23
	Grand Total	60	6872	1849	53	257	49	2	39	27	0	0	0	0	9208	427
	Percent	0.7%	74.6%	20.1%	0.6%	2.8%	0.5%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		4.6%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
09/23/08	0	17	7	0	0	0	0	0	0	0	0	0	0	24	0
01:00	0	12	1	0	0	0	0	0	0	0	0	0	0	13	0
02:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
04:00	0	8	0	0	1	0	0	0	0	0	0	0	0	9	1
05:00	0	14	4	1	1	0	0	0	0	0	0	0	0	20	2
06:00	0	77	19	2	2	0	0	0	1	0	0	0	0	101	5
07:00	0	169	32	3	9	1	0	0	0	0	0	0	0	214	13
08:00	0	164	69	2	7	0	0	0	1	0	0	0	0	243	10
09:00	0	114	40	0	12	1	0	1	0	0	0	0	0	168	14
10:00	1	129	46	0	9	1	0	3	0	0	0	0	0	189	13
11:00	4	159	52	2	12	1	0	3	1	0	0	0	0	234	19
12 PM	1	171	50	2	19	2	0	1	1	0	0	0	0	247	25
13:00	0	177	50	0	11	1	0	0	0	0	0	0	0	239	12
14:00	2	247	77	2	9	1	0	4	0	0	0	0	0	342	16
15:00	4	272	72	5	16	1	0	2	2	0	0	0	0	374	26
16:00	1	267	67	0	7	0	0	1	0	0	0	0	0	343	8
17:00	3	326	76	1	12	0	0	3	0	0	0	0	0	421	16
18:00	4	263	69	0	11	0	0	0	0	0	0	0	0	347	11
19:00	9	220	47	0	3	1	0	1	0	0	0	0	0	281	5
20:00	1	138	25	0	1	1	0	0	0	0	0	0	0	166	2
21:00	2	122	14	0	0	0	0	0	0	0	0	0	0	138	0
22:00	1	85	16	1	0	0	0	0	0	0	0	0	0	103	1
23:00	1	59	13	0	1	0	0	0	0	0	0	0	0	74	1
Total	34	3225	850	21	143	11	0	19	6	0	0	0	0	4309	200
Percent	0.8%	74.8%	19.7%	0.5%	3.3%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		4.6%
AM Peak	11:00	07:00	08:00	07:00	09:00	07:00		10:00	06:00					08:00	11:00
Vol.	4	169	69	3	12	1		3	1					243	19
PM Peak	19:00	17:00	14:00	15:00	12:00	12:00		14:00	15:00					17:00	15:00
Vol.	9	326	77	5	19	2		4	2					421	26

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
09/24/08	1	32	6	0	1	0	0	0	0	0	0	0	0	40	1
01:00	0	12	1	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	9	0	0	1	0	0	0	0	0	0	0	0	10	1
05:00	0	16	3	0	0	0	0	0	0	0	0	0	0	19	0
06:00	0	74	18	0	2	2	0	0	0	0	0	0	0	96	4
07:00	0	161	33	1	7	2	1	0	2	0	0	0	0	207	13
08:00	1	212	52	5	7	1	0	1	2	0	0	0	0	281	16
09:00	4	126	35	1	4	0	0	0	2	0	0	0	0	172	7
10:00	0	125	51	2	5	2	0	1	0	0	0	0	0	186	10
11:00	1	158	52	1	10	2	0	2	1	0	0	0	0	227	16
12 PM	5	196	57	2	8	0	0	1	0	0	0	0	0	269	11
13:00	1	186	54	4	7	3	0	1	0	0	0	0	0	256	15
14:00	1	216	53	1	7	2	0	3	1	0	0	0	0	284	14
15:00	6	285	99	5	21	2	0	2	0	0	0	0	0	420	30
16:00	2	285	81	1	11	1	0	2	0	0	0	0	0	383	15
17:00	4	376	77	0	8	1	0	1	0	0	0	0	0	467	10
18:00	2	267	55	0	8	2	0	0	0	0	0	0	0	334	10
19:00	6	194	39	0	5	0	0	0	0	0	0	0	0	244	5
20:00	1	145	24	0	0	1	0	0	0	0	0	0	0	171	1
21:00	1	104	31	0	2	0	0	0	0	0	0	0	0	138	2
22:00	0	88	12	0	0	0	0	0	0	0	0	0	0	100	0
23:00	0	71	11	0	2	0	0	0	0	0	0	0	0	84	2
Total	36	3352	847	23	117	21	1	14	8	0	0	0	0	4419	184
Percent	0.8%	75.9%	19.2%	0.5%	2.6%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		4.2%
AM Peak	09:00	08:00	08:00	08:00	11:00	06:00	07:00	11:00	07:00					08:00	08:00
Vol.	4	212	52	5	10	2	1	2	2					281	16
PM Peak	15:00	17:00	15:00	15:00	15:00	13:00		14:00	14:00					17:00	15:00
Vol.	6	376	99	5	21	3		3	1					467	30
Grand Total	70	6577	1697	44	260	32	1	33	14	0	0	0	0	8728	384
Percent	0.8%	75.4%	19.4%	0.5%	3.0%	0.4%	0.0%	0.4%	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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
	09/23/08	0	35	10	0	1	0	0	0	0	0	0	0	0	46	1
	01:00	0	20	3	0	1	0	0	0	0	0	0	0	0	24	1
	02:00	0	11	4	0	1	0	0	0	0	0	0	0	0	16	1
	03:00	0	13	6	0	0	0	0	0	0	0	0	0	0	19	0
	04:00	0	40	11	1	2	1	0	0	0	0	0	0	0	55	4
	05:00	1	97	31	1	3	0	0	1	0	0	0	0	0	134	5
	06:00	1	285	71	5	7	0	0	3	1	0	0	0	0	373	16
	07:00	4	606	136	5	23	3	0	3	1	0	0	0	0	781	35
	08:00	3	521	173	6	20	0	0	0	2	0	0	0	0	725	28
	09:00	1	301	94	2	23	2	0	2	3	0	0	0	0	428	32
	10:00	3	281	102	1	20	2	0	3	1	0	0	0	0	413	27
	11:00	4	317	96	3	20	1	0	3	1	0	0	0	0	445	28
	12 PM	4	325	116	5	28	4	0	3	2	0	0	0	0	487	42
	13:00	1	341	82	1	20	3	0	1	0	0	0	0	0	449	25
	14:00	5	411	146	5	19	2	0	6	0	0	0	0	0	594	32
	15:00	6	471	125	7	27	2	0	2	2	0	0	0	0	642	40
	16:00	3	474	124	2	11	2	0	3	2	0	0	0	0	621	20
	17:00	5	536	137	5	18	2	1	5	0	0	0	0	0	709	31
	18:00	8	448	125	0	16	1	0	0	0	0	0	0	0	598	17
	19:00	11	420	86	1	6	4	0	2	0	0	0	0	0	530	13
	20:00	2	263	52	0	3	1	0	0	0	0	0	0	0	321	4
	21:00	3	206	26	0	0	0	0	0	0	0	0	0	0	235	0
	22:00	1	138	27	1	0	0	0	0	0	0	0	0	0	167	1
	23:00	1	96	18	0	1	0	0	0	0	0	0	0	0	116	1
	Total	67	6656	1801	51	270	30	1	37	15	0	0	0	0	8928	404
	Percent	0.8%	74.6%	20.2%	0.6%	3.0%	0.3%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		4.5%
AM Peak	07:00	07:00	08:00	08:00	07:00	07:00			06:00	09:00					07:00	07:00
Vol.	4	606	173	6	23	3			3	3					781	35
PM Peak	19:00	17:00	14:00	15:00	12:00	12:00	17:00	14:00	12:00						17:00	12:00
Vol.	11	536	146	7	28	4	1	6	2						709	42

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 285
 Date Start: 23-Sep-08
 Date End: 24-Sep-08
 Pleasant St (139), south of Central St

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
	09/24/08	1	46	8	0	3	0	0	0	0	0	0	0	0	58	3
	01:00	0	20	1	0	1	0	0	0	0	0	0	0	0	22	1
	02:00	0	12	3	0	1	0	0	0	0	0	0	0	0	16	1
	03:00	0	7	4	0	0	0	0	1	1	0	0	0	0	13	2
	04:00	0	33	9	0	2	0	0	0	0	0	0	0	0	44	2
	05:00	0	100	37	0	3	0	0	2	0	0	0	0	0	142	5
	06:00	2	280	72	3	4	4	0	2	0	0	0	0	0	367	13
	07:00	2	605	130	3	14	3	1	4	5	0	0	0	0	767	30
	08:00	6	558	147	6	22	5	0	3	3	0	0	0	0	750	39
	09:00	4	296	73	5	11	4	1	0	5	0	0	0	0	399	26
	10:00	0	254	90	3	18	4	0	1	3	0	0	0	0	373	29
	11:00	1	295	103	2	18	5	0	3	2	0	0	0	0	429	30
	12 PM	6	350	104	4	12	2	0	5	2	0	0	0	0	485	25
	13:00	3	340	98	7	19	6	0	1	0	0	0	0	0	474	33
	14:00	1	436	116	5	19	5	0	6	2	0	0	0	0	590	37
	15:00	8	511	155	7	36	3	0	2	1	0	0	0	0	723	49
	16:00	4	474	139	1	23	2	0	2	1	0	0	0	0	646	29
	17:00	9	625	139	0	11	1	0	3	1	0	0	0	0	789	16
	18:00	5	480	101	0	12	3	0	0	0	0	0	0	0	601	15
	19:00	6	345	81	0	8	2	0	0	0	0	0	0	0	442	10
	20:00	2	272	41	0	1	2	0	0	0	0	0	0	0	318	3
	21:00	1	200	48	0	4	0	0	0	0	0	0	0	0	253	4
	22:00	1	144	29	0	1	0	0	0	0	0	0	0	0	175	1
	23:00	1	110	17	0	4	0	0	0	0	0	0	0	0	132	4
	Total	63	6793	1745	46	247	51	2	35	26	0	0	0	0	9008	407
	Percent	0.7%	75.4%	19.4%	0.5%	2.7%	0.6%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		4.5%
	AM Peak	08:00	07:00	08:00	08:00	08:00	08:00	07:00	07:00	07:00					07:00	08:00
	Vol.	6	605	147	6	22	5	1	4	5					767	39
	PM Peak	17:00	17:00	15:00	13:00	15:00	13:00		14:00	12:00					17:00	15:00
	Vol.	9	625	155	7	36	6		6	2					789	49
	Grand Total	130	13449	3546	97	517	81	3	72	41	0	0	0	0	17936	811
	Percent	0.7%	75.0%	19.8%	0.5%	2.9%	0.5%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		4.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

Start Time	13-Jul-09		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	*	*	45	83	41	94	*	*	*	*	*	*	*	*	43	88
01:00	*	*	32	54	18	54	*	*	*	*	*	*	*	*	25	54
02:00	*	*	9	21	15	37	*	*	*	*	*	*	*	*	12	29
03:00	*	*	21	18	21	86	*	*	*	*	*	*	*	*	21	52
04:00	*	*	59	22	63	26	*	*	*	*	*	*	*	*	61	24
05:00	*	*	236	51	211	71	*	*	*	*	*	*	*	*	224	61
06:00	*	*	388	178	409	159	*	*	*	*	*	*	*	*	398	168
07:00	*	*	565	275	520	294	*	*	*	*	*	*	*	*	542	284
08:00	*	*	574	392	527	402	*	*	*	*	*	*	*	*	550	397
09:00	*	*	392	288	478	375	*	*	*	*	*	*	*	*	435	332
10:00	*	*	393	377	431	325	*	*	*	*	*	*	*	*	412	351
11:00	*	*	376	365	391	354	*	*	*	*	*	*	*	*	384	360
12:00 PM	*	*	403	448	411	457	*	*	*	*	*	*	*	*	407	452
01:00	*	*	437	444	421	412	*	*	*	*	*	*	*	*	429	428
02:00	*	*	387	476	442	497	*	*	*	*	*	*	*	*	414	486
03:00	*	*	408	622	409	581	*	*	*	*	*	*	*	*	408	602
04:00	*	*	437	620	443	630	*	*	*	*	*	*	*	*	440	625
05:00	*	*	419	693	458	669	*	*	*	*	*	*	*	*	438	681
06:00	*	*	433	561	435	578	*	*	*	*	*	*	*	*	434	570
07:00	*	*	347	398	387	487	*	*	*	*	*	*	*	*	367	442
08:00	*	*	251	347	295	386	*	*	*	*	*	*	*	*	273	366
09:00	*	*	220	349	253	391	*	*	*	*	*	*	*	*	236	370
10:00	*	*	165	220	150	272	*	*	*	*	*	*	*	*	158	246
11:00	*	*	111	181	114	222	*	*	*	*	*	*	*	*	112	202
Total	0	0	7108	7483	7343	7859	0	0	0	0	0	0	0	0	7223	7670
Day	0	0	14591		15202		0	0	0	0	0	0	0	0	14893	
AM Peak			08:00	08:00	08:00	08:00									08:00	08:00
Vol.			574	392	527	402									550	397
PM Peak			13:00	17:00	17:00	17:00									16:00	17:00
Vol.			437	693	458	669									440	681
Comb. Total	0	0	14591		15202		0	0	0	0	0	0	0	0	14893	

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	128	135	*	*	*	*	132
01:00	*	86	72	*	*	*	*	79
02:00	*	30	52	*	*	*	*	41
03:00	*	39	107	*	*	*	*	73
04:00	*	81	89	*	*	*	*	85
05:00	*	287	282	*	*	*	*	284
06:00	*	566	568	*	*	*	*	567
07:00	*	840	814	*	*	*	*	827
08:00	*	966	929	*	*	*	*	948
09:00	*	680	853	*	*	*	*	766
10:00	*	770	756	*	*	*	*	763
11:00	*	741	745	*	*	*	*	743
12:00 PM	*	851	868	*	*	*	*	860
01:00	*	881	833	*	*	*	*	857
02:00	*	863	939	*	*	*	*	901
03:00	*	1030	990	*	*	*	*	1010
04:00	*	1057	1073	*	*	*	*	1065
05:00	*	1112	1127	*	*	*	*	1120
06:00	*	994	1013	*	*	*	*	1004
07:00	*	745	874	*	*	*	*	810
08:00	*	598	681	*	*	*	*	640
09:00	*	569	644	*	*	*	*	606
10:00	*	385	422	*	*	*	*	404
11:00	*	292	336	*	*	*	*	314
Total	0	14591	15202	0	0	0	0	14899
Percentage	0.0%	97.9%	102.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		966	929					948
PM Peak		17:00	17:00					17:00
Vol.		1112	1127					1120

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	0	0	0	0	4	16	22	3	0	0	0	0	0	0	45
01:00	0	0	0	0	3	11	9	6	2	0	1	0	0	0	32
02:00	0	0	0	0	0	2	6	1	0	0	0	0	0	0	9
03:00	0	0	0	0	0	9	8	3	0	0	1	0	0	0	21
04:00	1	0	0	0	2	24	21	7	3	1	0	0	0	0	59
05:00	3	1	0	1	8	92	104	25	2	0	0	0	0	0	236
06:00	6	0	11	12	18	185	139	15	0	2	0	0	0	0	388
07:00	17	0	1	6	58	259	203	21	0	0	0	0	0	0	565
08:00	25	0	2	11	58	290	172	15	1	0	0	0	0	0	574
09:00	14	0	2	12	54	179	115	14	2	0	0	0	0	0	392
10:00	10	0	1	6	57	196	115	6	2	0	0	0	0	0	393
11:00	13	0	1	4	40	210	99	7	2	0	0	0	0	0	376
12 PM	22	0	0	10	56	203	97	13	1	1	0	0	0	0	403
13:00	15	0	1	7	53	209	137	11	4	0	0	0	0	0	437
14:00	24	1	3	10	43	159	124	21	2	0	0	0	0	0	387
15:00	32	0	0	7	65	198	96	10	0	0	0	0	0	0	408
16:00	19	1	3	11	48	227	113	12	3	0	0	0	0	0	437
17:00	24	1	1	9	54	206	113	10	1	0	0	0	0	0	419
18:00	38	0	0	3	55	201	123	12	1	0	0	0	0	0	433
19:00	11	0	0	5	56	178	89	8	0	0	0	0	0	0	347
20:00	9	0	4	3	25	143	52	13	2	0	0	0	0	0	251
21:00	6	2	2	5	29	128	40	7	0	0	1	0	0	0	220
22:00	5	0	0	2	22	72	53	9	2	0	0	0	0	0	165
23:00	4	0	0	1	9	58	35	4	0	0	0	0	0	0	111
Total	298	6	32	125	817	3455	2085	253	30	4	3	0	0	0	7108

Daily
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5540
 Percent in Pace : 77.9%
 Number of Vehicles > 35 MPH : 5830
 Percent of Vehicles > 35 MPH : 82.0%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

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
07:15/09	1	0	0	0	9	9	15	5	1	1	0	0	0	0	41
01:00	0	0	0	0	3	8	5	1	1	0	0	0	0	0	18
02:00	0	0	0	0	1	8	5	1	0	0	0	0	0	0	15
03:00	0	0	0	0	0	7	11	1	1	1	0	0	0	0	21
04:00	1	0	0	1	1	20	28	11	0	1	0	0	0	0	63
05:00	6	1	0	0	9	91	75	23	6	0	0	0	0	0	211
06:00	6	0	2	3	29	180	167	21	1	0	0	0	0	0	409
07:00	19	0	1	5	48	238	176	30	3	0	0	0	0	0	520
08:00	12	0	1	0	40	264	182	26	2	0	0	0	0	0	527
09:00	21	0	0	4	79	218	135	15	5	1	0	0	0	0	478
10:00	16	0	5	6	58	214	120	10	2	0	0	0	0	0	431
11:00	16	0	2	6	51	192	111	12	0	1	0	0	0	0	391
12 PM	11	0	0	7	53	209	108	23	0	0	0	0	0	0	411
13:00	22	0	8	51	107	162	68	2	1	0	0	0	0	0	421
14:00	22	3	1	5	49	194	142	22	4	0	0	0	0	0	442
15:00	21	1	1	12	33	174	151	14	2	0	0	0	0	0	409
16:00	30	1	0	0	44	217	136	13	1	1	0	0	0	0	443
17:00	26	0	0	2	51	223	136	15	5	0	0	0	0	0	458
18:00	20	0	3	7	34	217	143	10	1	0	0	0	0	0	435
19:00	17	0	0	9	38	196	114	11	2	0	0	0	0	0	387
20:00	12	1	7	5	36	141	78	12	2	1	0	0	0	0	295
21:00	7	0	0	3	42	134	60	6	1	0	0	0	0	0	253
22:00	4	0	1	0	15	68	52	7	3	0	0	0	0	0	150
23:00	4	0	0	2	16	58	23	8	3	0	0	0	0	0	114
Total	294	7	32	128	846	3442	2241	299	47	7	0	0	0	0	7343

Daily
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5683
 Percent in Pace : 77.4%
 Number of Vehicles > 35 MPH : 6036
 Percent of Vehicles > 35 MPH : 82.2%

Grand Total	592	13	64	253	1663	6897	4326	552	77	11	3	0	0	0	14451
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Overall
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 11223
 Percent in Pace : 77.7%
 Number of Vehicles > 35 MPH : 11866
 Percent of Vehicles > 35 MPH : 82.1%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	1	0	2	5	15	35	22	3	0	0	0	0	0	0	83
01:00	0	0	0	1	2	25	21	4	1	0	0	0	0	0	54
02:00	0	0	0	0	1	8	6	3	0	0	2	0	0	1	21
03:00	0	0	0	0	1	8	7	1	1	0	0	0	0	0	18
04:00	1	0	0	2	3	9	4	3	0	0	0	0	0	0	22
05:00	0	0	0	0	3	14	28	6	0	0	0	0	0	0	51
06:00	7	0	0	2	28	77	52	10	2	0	0	0	0	0	178
07:00	12	0	2	13	34	113	87	13	1	0	0	0	0	0	275
08:00	18	1	2	9	65	180	97	19	1	0	0	0	0	0	392
09:00	10	0	1	7	41	133	89	7	0	0	0	0	0	0	288
10:00	23	0	3	2	61	173	98	15	2	0	0	0	0	0	377
11:00	19	1	3	12	51	166	98	15	0	0	0	0	0	0	365
12 PM	31	2	3	10	89	187	104	21	1	0	0	0	0	0	448
13:00	19	0	5	10	77	218	110	5	0	0	0	0	0	0	444
14:00	29	0	0	19	86	223	105	14	0	0	0	0	0	0	476
15:00	39	8	16	33	143	284	94	4	1	0	0	0	0	0	622
16:00	30	0	8	38	136	303	101	3	1	0	0	0	0	0	620
17:00	36	5	11	23	190	316	103	9	0	0	0	0	0	0	693
18:00	34	0	2	15	97	292	112	9	0	0	0	0	0	0	561
19:00	20	0	2	10	83	191	84	7	1	0	0	0	0	0	398
20:00	10	1	1	9	80	195	46	4	1	0	0	0	0	0	347
21:00	5	3	4	15	129	146	36	9	2	0	0	0	0	0	349
22:00	6	0	0	11	43	106	51	3	0	0	0	0	0	0	220
23:00	7	0	0	8	41	74	43	6	2	0	0	0	0	0	181
Total	357	21	65	254	1499	3476	1598	193	17	0	2	0	0	1	7483

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

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5074
 Percent in Pace : 67.8%
 Number of Vehicles > 35 MPH : 5287
 Percent of Vehicles > 35 MPH : 70.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07:15/09	1	0	0	1	13	40	36	2	1	0	0	0	0	0	94
01:00	2	0	0	1	10	14	15	9	3	0	0	0	0	0	54
02:00	0	0	0	1	2	24	7	1	1	1	0	0	0	0	37
03:00	0	0	0	2	21	40	20	3	0	0	0	0	0	0	86
04:00	1	0	0	0	7	6	9	3	0	0	0	0	0	0	26
05:00	6	0	1	0	3	24	24	8	4	1	0	0	0	0	71
06:00	8	0	0	0	18	67	55	11	0	0	0	0	0	0	159
07:00	23	0	6	2	28	126	91	16	1	0	1	0	0	0	294
08:00	20	0	1	17	80	170	97	16	1	0	0	0	0	0	402
09:00	18	1	1	1	76	190	73	13	2	0	0	0	0	0	375
10:00	11	0	1	6	56	128	105	15	3	0	0	0	0	0	325
11:00	17	0	2	8	62	169	86	9	1	0	0	0	0	0	354
12 PM	22	3	2	11	86	232	90	10	1	0	0	0	0	0	457
13:00	22	0	2	34	118	178	50	8	0	0	0	0	0	0	412
14:00	29	0	2	10	119	238	85	10	3	1	0	0	0	0	497
15:00	18	0	1	24	108	315	105	9	1	0	0	0	0	0	581
16:00	37	0	1	20	141	291	129	10	1	0	0	0	0	0	630
17:00	32	2	4	40	154	305	119	13	0	0	0	0	0	0	669
18:00	35	0	1	20	129	267	108	17	1	0	0	0	0	0	578
19:00	21	0	2	15	106	227	106	10	0	0	0	0	0	0	487
20:00	25	1	1	17	112	167	56	7	0	0	0	0	0	0	386
21:00	7	0	5	40	159	148	28	3	0	0	0	0	1	0	391
22:00	5	1	2	8	76	126	45	6	3	0	0	0	0	0	272
23:00	6	0	1	17	52	89	49	6	2	0	0	0	0	0	222
Total	366	8	36	295	1736	3581	1588	215	29	3	1	0	1	0	7859

Daily
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5317
 Percent in Pace : 67.7%
 Number of Vehicles > 35 MPH : 5418
 Percent of Vehicles > 35 MPH : 68.9%

Grand Total	723	29	101	549	3235	7057	3186	408	46	3	3	0	1	1	15342
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 10292
 Percent in Pace : 67.1%
 Number of Vehicles > 35 MPH : 10705
 Percent of Vehicles > 35 MPH : 69.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	1	0	2	5	19	51	44	6	0	0	0	0	0	0	128
01:00	0	0	0	1	5	36	30	10	3	0	1	0	0	0	86
02:00	0	0	0	0	1	10	12	4	0	0	2	0	0	1	30
03:00	0	0	0	0	1	17	15	4	1	0	1	0	0	0	39
04:00	2	0	0	2	5	33	25	10	3	1	0	0	0	0	81
05:00	3	1	0	1	11	106	132	31	2	0	0	0	0	0	287
06:00	13	0	11	14	46	262	191	25	2	2	0	0	0	0	566
07:00	29	0	3	19	92	372	290	34	1	0	0	0	0	0	840
08:00	43	1	4	20	123	470	269	34	2	0	0	0	0	0	966
09:00	24	0	3	19	95	312	204	21	2	0	0	0	0	0	680
10:00	33	0	4	8	118	369	213	21	4	0	0	0	0	0	770
11:00	32	1	4	16	91	376	197	22	2	0	0	0	0	0	741
12 PM	53	2	3	20	145	390	201	34	2	1	0	0	0	0	851
13:00	34	0	6	17	130	427	247	16	4	0	0	0	0	0	881
14:00	53	1	3	29	129	382	229	35	2	0	0	0	0	0	863
15:00	71	8	16	40	208	482	190	14	1	0	0	0	0	0	1030
16:00	49	1	11	49	184	530	214	15	4	0	0	0	0	0	1057
17:00	60	6	12	32	244	522	216	19	1	0	0	0	0	0	1112
18:00	72	0	2	18	152	493	235	21	1	0	0	0	0	0	994
19:00	31	0	2	15	139	369	173	15	1	0	0	0	0	0	745
20:00	19	1	5	12	105	338	98	17	3	0	0	0	0	0	598
21:00	11	5	6	20	158	274	76	16	2	0	1	0	0	0	569
22:00	11	0	0	13	65	178	104	12	2	0	0	0	0	0	385
23:00	11	0	0	9	50	132	78	10	2	0	0	0	0	0	292
Total	655	27	97	379	2316	6931	3683	446	47	4	5	0	0	1	14591

Daily
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10614
 Percent in Pace : 72.7%
 Number of Vehicles > 35 MPH : 11117
 Percent of Vehicles > 35 MPH : 76.2%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

NB, SB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
07:15/09	2	0	0	1	22	49	51	7	2	1	0	0	0	0	0	135
01:00	2	0	0	1	13	22	20	10	4	0	0	0	0	0	0	72
02:00	0	0	0	1	3	32	12	2	1	1	0	0	0	0	0	52
03:00	0	0	0	2	21	47	31	4	1	1	0	0	0	0	0	107
04:00	2	0	0	1	8	26	37	14	0	1	0	0	0	0	0	89
05:00	12	1	1	0	12	115	99	31	10	1	0	0	0	0	0	282
06:00	14	0	2	3	47	247	222	32	1	0	0	0	0	0	0	568
07:00	42	0	7	7	76	364	267	46	4	0	1	0	0	0	0	814
08:00	32	0	2	17	120	434	279	42	3	0	0	0	0	0	0	929
09:00	39	1	1	5	155	408	208	28	7	1	0	0	0	0	0	853
10:00	27	0	6	12	114	342	225	25	5	0	0	0	0	0	0	756
11:00	33	0	4	14	113	361	197	21	1	1	0	0	0	0	0	745
12 PM	33	3	2	18	139	441	198	33	1	0	0	0	0	0	0	868
13:00	44	0	10	85	225	340	118	10	1	0	0	0	0	0	0	833
14:00	51	3	3	15	168	432	227	32	7	1	0	0	0	0	0	939
15:00	39	1	2	36	141	489	256	23	3	0	0	0	0	0	0	990
16:00	67	1	1	20	185	508	265	23	2	1	0	0	0	0	0	1073
17:00	58	2	4	42	205	528	255	28	5	0	0	0	0	0	0	1127
18:00	55	0	4	27	163	484	251	27	2	0	0	0	0	0	0	1013
19:00	38	0	2	24	144	423	220	21	2	0	0	0	0	0	0	874
20:00	37	2	8	22	148	308	134	19	2	1	0	0	0	0	0	681
21:00	14	0	5	43	201	282	88	9	1	0	0	0	1	0	0	644
22:00	9	1	3	8	91	194	97	13	6	0	0	0	0	0	0	422
23:00	10	0	1	19	68	147	72	14	5	0	0	0	0	0	0	336
Total	660	15	68	423	2582	7023	3829	514	76	10	1	0	1	0	0	15202

Daily
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10852
 Percent in Pace : 71.4%
 Number of Vehicles > 35 MPH : 11454
 Percent of Vehicles > 35 MPH : 75.3%

Grand Total	1315	42	165	802	4898	13954	7512	960	123	14	6	0	1	1	29793
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Overall
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 21466
 Percent in Pace : 72.1%
 Number of Vehicles > 35 MPH : 22571
 Percent of Vehicles > 35 MPH : 75.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

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
07/14/09	0	41	2	1	0	1	0	0	0	0	0	0	0	45	2
01:00	0	28	3	1	0	0	0	0	0	0	0	0	0	32	1
02:00	0	8	0	0	0	1	0	0	0	0	0	0	0	9	1
03:00	0	10	7	0	0	1	0	2	1	0	0	0	0	21	4
04:00	2	40	13	1	1	2	0	0	0	0	0	0	0	59	4
05:00	4	170	50	1	8	1	0	1	1	0	0	0	0	236	12
06:00	3	286	73	1	10	4	0	4	6	0	0	0	0	387	25
07:00	7	442	85	2	15	5	1	6	2	0	0	0	0	565	31
08:00	4	448	84	3	20	4	1	3	6	0	0	0	0	573	37
09:00	5	292	59	3	22	4	0	1	5	0	0	0	0	391	35
10:00	2	296	61	7	12	8	1	4	2	0	0	0	0	393	34
11:00	4	290	60	3	9	4	1	4	0	0	0	0	0	375	21
12 PM	2	293	73	5	20	6	0	3	1	0	0	0	0	403	35
13:00	5	326	76	5	14	5	0	2	4	0	0	0	0	437	30
14:00	3	283	76	3	13	2	1	3	1	1	0	0	0	386	24
15:00	3	321	53	1	13	10	0	3	3	0	0	0	0	407	30
16:00	6	358	57	1	7	5	0	3	0	0	0	0	0	437	16
17:00	1	340	66	0	5	5	0	0	1	0	0	0	0	418	11
18:00	2	378	42	2	5	1	0	1	0	0	0	0	0	431	9
19:00	1	304	36	0	2	1	0	2	0	0	0	0	0	346	5
20:00	4	208	35	0	2	2	0	0	0	0	0	0	0	251	4
21:00	1	187	25	0	3	3	0	0	1	0	0	0	0	220	7
22:00	1	153	11	0	0	0	0	0	0	0	0	0	0	165	0
23:00	1	100	9	0	0	1	0	0	0	0	0	0	0	111	1
Total	61	5602	1056	40	181	76	5	42	34	1	0	0	0	7098	379
Percent	0.9%	78.9%	14.9%	0.6%	2.6%	1.1%	0.1%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%		5.3%
AM Peak	07:00	08:00	07:00	10:00	09:00	10:00	07:00	07:00	06:00					08:00	08:00
Vol.	7	448	85	7	22	8	1	6	6					573	37
PM Peak	16:00	18:00	13:00	12:00	12:00	15:00	14:00	12:00	13:00	14:00				13:00	12:00
Vol.	6	378	76	5	20	10	1	3	4	1				437	35

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #14
Tube Layout: L6 Basic (2')

Station ID: 6742
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Pleasant St (139), south of Pine St

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
	07/15/09	0	37	4	0	0	0	0	0	0	0	0	0	0	41	0
	01:00	1	15	1	1	0	0	0	0	0	0	0	0	0	18	1
	02:00	0	12	2	0	0	0	0	0	1	0	0	0	0	15	1
	03:00	0	14	5	0	0	0	0	2	0	0	0	0	0	21	2
	04:00	2	46	13	0	1	0	0	0	1	0	0	0	0	63	2
	05:00	3	144	51	1	7	2	0	1	2	0	0	0	0	211	13
	06:00	2	302	79	2	10	6	0	6	2	0	0	0	0	409	26
	07:00	6	414	75	3	13	5	0	2	2	0	0	0	0	520	25
	08:00	3	431	75	3	8	3	0	3	0	0	0	0	0	526	17
	09:00	4	363	76	7	18	3	1	2	4	0	0	0	0	478	35
	10:00	2	321	73	5	19	4	1	1	4	0	0	0	0	430	34
	11:00	2	290	69	10	8	7	0	3	2	0	0	0	0	391	30
	12 PM	1	315	74	3	11	2	2	1	0	0	0	1	0	410	20
	13:00	5	330	67	4	8	1	0	1	4	1	0	0	0	421	19
	14:00	5	326	79	4	16	5	0	7	0	0	0	0	0	442	32
	15:00	4	313	66	3	16	3	0	4	0	0	0	0	0	409	26
	16:00	4	345	75	4	10	3	0	1	0	0	0	0	0	442	18
	17:00	3	384	52	2	11	0	0	5	0	0	0	0	0	457	18
	18:00	10	356	54	2	8	3	0	0	1	0	0	0	0	434	14
	19:00	4	331	45	0	2	1	0	1	3	0	0	0	0	387	7
	20:00	6	232	45	0	7	3	0	0	1	0	0	0	0	294	11
	21:00	5	219	26	0	2	0	0	0	0	0	0	0	0	252	2
	22:00	0	130	15	0	5	0	0	0	0	0	0	0	0	150	5
	23:00	2	92	17	0	3	0	0	0	0	0	0	0	0	114	3
	Total	74	5762	1138	54	183	51	4	40	27	1	0	1	0	7335	361
	Percent	1.0%	78.6%	15.5%	0.7%	2.5%	0.7%	0.1%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		4.9%
	AM Peak	07:00	08:00	06:00	11:00	10:00	11:00	09:00	06:00	09:00					08:00	09:00
	Vol.	6	431	79	10	19	7	1	6	4					526	35
	PM Peak	18:00	17:00	14:00	13:00	14:00	14:00	12:00	14:00	13:00	13:00		12:00		17:00	14:00
	Vol.	10	384	79	4	16	5	2	7	4	1		1		457	32
	Grand Total	135	11364	2194	94	364	127	9	82	61	2	0	1	0	14433	740
	Percent	0.9%	78.7%	15.2%	0.7%	2.5%	0.9%	0.1%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%		5.1%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

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
07/14/09	0	63	17	1	1	1	0	0	0	0	0	0	0	83	3
01:00	0	48	3	0	2	0	1	0	0	0	0	0	0	54	3
02:00	0	18	3	0	0	0	0	0	0	0	0	0	0	21	0
03:00	0	13	3	0	1	0	0	0	1	0	0	0	0	18	2
04:00	1	15	3	1	1	1	0	0	0	0	0	0	0	22	3
05:00	0	32	15	1	2	1	0	0	0	0	0	0	0	51	4
06:00	2	117	39	1	9	4	0	2	3	0	0	0	0	177	19
07:00	0	197	51	2	16	3	0	2	3	0	0	0	0	274	26
08:00	2	275	82	8	17	6	0	0	2	0	0	0	0	392	33
09:00	1	186	63	8	18	7	1	1	3	0	0	0	0	288	38
10:00	1	249	88	7	17	4	3	5	3	0	0	0	0	377	39
11:00	2	252	79	6	18	2	3	1	2	0	0	0	0	365	32
12 PM	3	319	89	6	17	6	0	2	5	0	0	0	0	447	36
13:00	1	308	104	2	24	2	1	2	0	0	0	0	0	444	31
14:00	0	345	100	2	17	2	1	5	3	0	0	0	0	475	30
15:00	4	464	110	2	31	4	2	1	3	0	0	0	0	621	43
16:00	0	470	128	0	14	1	0	6	0	0	0	0	0	619	21
17:00	2	557	111	1	17	2	0	1	1	0	0	0	0	692	22
18:00	1	462	85	0	9	1	0	1	1	0	0	0	0	560	12
19:00	1	329	63	0	4	0	0	1	0	0	0	0	0	398	5
20:00	1	287	52	1	5	1	0	0	0	0	0	0	0	347	7
21:00	1	300	40	2	5	0	0	1	0	0	0	0	0	349	8
22:00	0	180	37	0	2	1	0	0	0	0	0	0	0	220	3
23:00	0	157	23	0	0	0	0	0	0	0	0	0	0	180	0
Total	23	5643	1388	51	247	49	12	31	30	0	0	0	0	7474	420
Percent	0.3%	75.5%	18.6%	0.7%	3.3%	0.7%	0.2%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak	06:00	08:00	10:00	08:00	09:00	09:00	10:00	10:00	06:00					08:00	10:00
Vol.	2	275	88	8	18	7	3	5	3					392	39
PM Peak	15:00	17:00	16:00	12:00	15:00	12:00	15:00	16:00	12:00					17:00	15:00
Vol.	4	557	128	6	31	6	2	6	5					692	43

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #14
Tube Layout: L6 Basic (2')

Station ID: 6742
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Pleasant St (139), south of Pine St

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
07/15/09	2	78	11	0	2	1	0	0	0	0	0	0	0	94	3
01:00	0	46	6	0	1	0	0	0	1	0	0	0	0	54	2
02:00	0	32	5	0	0	0	0	0	0	0	0	0	0	37	0
03:00	0	73	12	0	1	0	0	0	0	0	0	0	0	86	1
04:00	0	18	6	1	0	1	0	0	0	0	0	0	0	26	2
05:00	0	49	18	0	4	0	0	0	0	0	0	0	0	71	4
06:00	1	109	29	3	8	5	0	1	2	0	0	0	0	158	19
07:00	3	219	50	3	11	5	0	1	2	0	0	0	0	294	22
08:00	2	266	100	4	20	5	0	2	2	0	0	0	0	401	33
09:00	3	254	82	4	23	7	0	2	0	0	0	0	0	375	36
10:00	2	224	67	9	13	4	1	3	1	0	0	0	0	324	31
11:00	4	222	92	8	22	3	0	2	1	0	0	0	0	354	36
12 PM	3	339	91	4	12	1	0	3	3	1	0	0	0	457	24
13:00	0	295	85	10	17	2	0	3	0	0	0	0	0	412	32
14:00	3	342	115	2	23	3	1	7	0	0	0	0	0	496	36
15:00	0	433	126	1	12	3	0	3	2	0	0	0	1	581	22
16:00	3	477	118	2	21	1	0	5	2	0	0	0	0	629	31
17:00	0	549	101	2	10	2	0	2	2	0	0	0	0	668	18
18:00	3	457	97	0	13	3	0	4	0	0	0	0	0	577	20
19:00	1	407	72	0	7	0	0	0	0	0	0	0	0	487	7
20:00	2	316	60	0	7	0	0	0	0	0	0	0	0	385	7
21:00	1	329	55	0	3	1	0	1	0	0	0	0	0	390	5
22:00	0	222	42	0	7	1	0	0	0	0	0	0	0	272	8
23:00	0	182	36	0	3	0	0	0	1	0	0	0	0	222	4
Total	33	5938	1476	53	240	48	2	39	19	1	0	0	1	7850	403
Percent	0.4%	75.6%	18.8%	0.7%	3.1%	0.6%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		5.1%
AM Peak	11:00	08:00	08:00	10:00	09:00	09:00	10:00	10:00	06:00					08:00	09:00
Vol.	4	266	100	9	23	7	1	3	2					401	36
PM Peak	12:00	17:00	15:00	13:00	14:00	14:00	14:00	14:00	12:00	12:00			15:00	17:00	14:00
Vol.	3	549	126	10	23	3	1	7	3	1			1	668	36
Grand Total	56	11581	2864	104	487	97	14	70	49	1	0	0	1	15324	823
Percent	0.4%	75.6%	18.7%	0.7%	3.2%	0.6%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		5.4%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

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
07/14/09	0	104	19	2	1	2	0	0	0	0	0	0	0	128	5
01:00	0	76	6	1	2	0	1	0	0	0	0	0	0	86	4
02:00	0	26	3	0	0	1	0	0	0	0	0	0	0	30	1
03:00	0	23	10	0	1	1	0	2	2	0	0	0	0	39	6
04:00	3	55	16	2	2	3	0	0	0	0	0	0	0	81	7
05:00	4	202	65	2	10	2	0	1	1	0	0	0	0	287	16
06:00	5	403	112	2	19	8	0	6	9	0	0	0	0	564	44
07:00	7	639	136	4	31	8	1	8	5	0	0	0	0	839	57
08:00	6	723	166	11	37	10	1	3	8	0	0	0	0	965	70
09:00	6	478	122	11	40	11	1	2	8	0	0	0	0	679	73
10:00	3	545	149	14	29	12	4	9	5	0	0	0	0	770	73
11:00	6	542	139	9	27	6	4	5	2	0	0	0	0	740	53
12 PM	5	612	162	11	37	12	0	5	6	0	0	0	0	850	71
13:00	6	634	180	7	38	7	1	4	4	0	0	0	0	881	61
14:00	3	628	176	5	30	4	2	8	4	1	0	0	0	861	54
15:00	7	785	163	3	44	14	2	4	6	0	0	0	0	1028	73
16:00	6	828	185	1	21	6	0	9	0	0	0	0	0	1056	37
17:00	3	897	177	1	22	7	0	1	2	0	0	0	0	1110	33
18:00	3	840	127	2	14	2	0	2	1	0	0	0	0	991	21
19:00	2	633	99	0	6	1	0	3	0	0	0	0	0	744	10
20:00	5	495	87	1	7	3	0	0	0	0	0	0	0	598	11
21:00	2	487	65	2	8	3	0	1	1	0	0	0	0	569	15
22:00	1	333	48	0	2	1	0	0	0	0	0	0	0	385	3
23:00	1	257	32	0	0	1	0	0	0	0	0	0	0	291	1
Total	84	11245	2444	91	428	125	17	73	64	1	0	0	0	14572	799
Percent	0.6%	77.2%	16.8%	0.6%	2.9%	0.9%	0.1%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.5%
AM Peak	07:00	08:00	08:00	10:00	09:00	10:00	10:00	10:00	06:00					08:00	09:00
Vol.	7	723	166	14	40	12	4	9	9					965	73
PM Peak	15:00	17:00	16:00	12:00	15:00	15:00	14:00	16:00	12:00	14:00				17:00	15:00
Vol.	7	897	185	11	44	14	2	9	6	1				1110	73

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID: 6742
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pleasant St (139), south of Pine St

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
07/15/09	2	115	15	0	2	1	0	0	0	0	0	0	0	135	3
01:00	1	61	7	1	1	0	0	0	1	0	0	0	0	72	3
02:00	0	44	7	0	0	0	0	0	1	0	0	0	0	52	1
03:00	0	87	17	0	1	0	0	2	0	0	0	0	0	107	3
04:00	2	64	19	1	1	1	0	0	1	0	0	0	0	89	4
05:00	3	193	69	1	11	2	0	1	2	0	0	0	0	282	17
06:00	3	411	108	5	18	11	0	7	4	0	0	0	0	567	45
07:00	9	633	125	6	24	10	0	3	4	0	0	0	0	814	47
08:00	5	697	175	7	28	8	0	5	2	0	0	0	0	927	50
09:00	7	617	158	11	41	10	1	4	4	0	0	0	0	853	71
10:00	4	545	140	14	32	8	2	4	5	0	0	0	0	754	65
11:00	6	512	161	18	30	10	0	5	3	0	0	0	0	745	66
12 PM	4	654	165	7	23	3	2	4	3	1	0	1	0	867	44
13:00	5	625	152	14	25	3	0	4	4	1	0	0	0	833	51
14:00	8	668	194	6	39	8	1	14	0	0	0	0	0	938	68
15:00	4	746	192	4	28	6	0	7	2	0	0	0	1	990	48
16:00	7	822	193	6	31	4	0	6	2	0	0	0	0	1071	49
17:00	3	933	153	4	21	2	0	7	2	0	0	0	0	1125	36
18:00	13	813	151	2	21	6	0	4	1	0	0	0	0	1011	34
19:00	5	738	117	0	9	1	0	1	3	0	0	0	0	874	14
20:00	8	548	105	0	14	3	0	0	1	0	0	0	0	679	18
21:00	6	548	81	0	5	1	0	1	0	0	0	0	0	642	7
22:00	0	352	57	0	12	1	0	0	0	0	0	0	0	422	13
23:00	2	274	53	0	6	0	0	0	1	0	0	0	0	336	7
Total	107	11700	2614	107	423	99	6	79	46	2	0	1	1	15185	764
Percent	0.7%	77.0%	17.2%	0.7%	2.8%	0.7%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak	07:00	08:00	08:00	11:00	09:00	06:00	10:00	06:00	10:00					08:00	09:00
Vol.	9	697	175	18	41	11	2	7	5					927	71
PM Peak	18:00	17:00	14:00	13:00	14:00	14:00	12:00	14:00	13:00	12:00		12:00	15:00	17:00	14:00
Vol.	13	933	194	14	39	8	2	14	4	1		1	1	1125	68
Grand Total	191	22945	5058	198	851	224	23	152	110	3	0	1	1	29757	1563
Percent	0.6%	77.1%	17.0%	0.7%	2.9%	0.8%	0.1%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.3%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

Start Time	13-Jul-09		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	101	59	107	53	*	*	*	*	*	*	*	*	104	56
01:00	*	*	61	35	66	18	*	*	*	*	*	*	*	*	64	26
02:00	*	*	32	15	62	29	*	*	*	*	*	*	*	*	47	22
03:00	*	*	30	24	131	33	*	*	*	*	*	*	*	*	80	28
04:00	*	*	30	74	31	63	*	*	*	*	*	*	*	*	30	68
05:00	*	*	101	247	115	235	*	*	*	*	*	*	*	*	108	241
06:00	*	*	308	506	278	518	*	*	*	*	*	*	*	*	293	512
07:00	*	*	378	818	396	701	*	*	*	*	*	*	*	*	387	760
08:00	*	*	471	756	510	693	*	*	*	*	*	*	*	*	490	724
09:00	*	*	368	518	456	638	*	*	*	*	*	*	*	*	412	578
10:00	*	*	468	488	412	527	*	*	*	*	*	*	*	*	440	508
11:00	*	*	466	548	486	586	*	*	*	*	*	*	*	*	476	567
12:00 PM	*	*	545	576	567	602	*	*	*	*	*	*	*	*	556	589
01:00	*	*	537	630	504	574	*	*	*	*	*	*	*	*	520	602
02:00	*	*	583	569	608	597	*	*	*	*	*	*	*	*	596	583
03:00	*	*	673	632	687	644	*	*	*	*	*	*	*	*	680	638
04:00	*	*	816	672	744	697	*	*	*	*	*	*	*	*	780	684
05:00	*	*	794	660	784	643	*	*	*	*	*	*	*	*	789	652
06:00	*	*	658	547	668	624	*	*	*	*	*	*	*	*	663	586
07:00	*	*	486	472	554	518	*	*	*	*	*	*	*	*	520	495
08:00	*	*	422	374	476	396	*	*	*	*	*	*	*	*	449	385
09:00	*	*	407	304	483	334	*	*	*	*	*	*	*	*	445	319
10:00	*	*	264	196	358	184	*	*	*	*	*	*	*	*	311	190
11:00	*	*	197	136	278	134	*	*	*	*	*	*	*	*	238	135
Total	0	0	9196	9856	9761	10041	0	0	0	0	0	0	0	0	9478	9948
Day	0	0	19052		19802		0	0	0	0	0	0	0	0	19426	
AM Peak			08:00	07:00	08:00	07:00									08:00	07:00
Vol.			471	818	510	701									490	760
PM Peak			16:00	16:00	17:00	16:00									17:00	16:00
Vol.			816	672	784	697									789	684

Comb. Total 0 19052 19802 0 0 0 0 19426

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	160	160	*	*	*	*	160
01:00	*	96	84	*	*	*	*	90
02:00	*	47	91	*	*	*	*	69
03:00	*	54	164	*	*	*	*	109
04:00	*	104	94	*	*	*	*	99
05:00	*	348	350	*	*	*	*	349
06:00	*	814	796	*	*	*	*	805
07:00	*	1196	1097	*	*	*	*	1146
08:00	*	1227	1203	*	*	*	*	1215
09:00	*	886	1094	*	*	*	*	990
10:00	*	956	939	*	*	*	*	948
11:00	*	1014	1072	*	*	*	*	1043
12:00 PM	*	1121	1169	*	*	*	*	1145
01:00	*	1167	1078	*	*	*	*	1122
02:00	*	1152	1205	*	*	*	*	1178
03:00	*	1305	1331	*	*	*	*	1318
04:00	*	1488	1441	*	*	*	*	1464
05:00	*	1454	1427	*	*	*	*	1440
06:00	*	1205	1292	*	*	*	*	1248
07:00	*	958	1072	*	*	*	*	1015
08:00	*	796	872	*	*	*	*	834
09:00	*	711	817	*	*	*	*	764
10:00	*	460	542	*	*	*	*	501
11:00	*	333	412	*	*	*	*	372
Total	0	19052	19802	0	0	0	0	19424
Percentage	0.0%	98.1%	101.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		1227	1203					1215
PM Peak		16:00	16:00					16:00
Vol.		1488	1441					1464

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
07/14/09	0	0	0	1	3	15	36	35	9	2	0	0	0	0	101
01:00	0	0	0	0	4	11	18	15	12	1	0	0	0	0	61
02:00	0	0	0	0	0	9	5	12	3	1	0	0	1	1	32
03:00	0	0	0	0	0	2	14	9	1	3	1	0	0	0	30
04:00	0	0	0	1	2	7	6	12	2	0	0	0	0	0	30
05:00	1	0	1	0	0	7	21	33	31	5	1	1	0	0	101
06:00	15	0	2	2	12	40	110	92	26	8	0	1	0	0	308
07:00	37	0	0	0	9	26	117	127	48	9	3	2	0	0	378
08:00	30	0	0	0	1	38	170	157	66	9	0	0	0	0	471
09:00	16	0	1	1	5	45	146	102	37	15	0	0	0	0	368
10:00	20	0	0	6	17	83	199	101	31	11	0	0	0	0	468
11:00	31	1	1	4	15	100	152	113	36	13	0	0	0	0	466
12 PM	32	0	2	11	55	99	163	120	59	4	0	0	0	0	545
13:00	44	0	1	11	21	81	204	111	54	9	1	0	0	0	537
14:00	29	0	0	4	33	146	185	138	34	12	1	0	1	0	583
15:00	40	0	0	21	80	190	192	109	36	5	0	0	0	0	673
16:00	54	5	17	24	60	158	302	143	45	8	0	0	0	0	816
17:00	43	0	2	21	59	174	292	157	42	3	1	0	0	0	794
18:00	31	0	0	1	37	117	259	166	41	5	1	0	0	0	658
19:00	21	5	6	12	31	114	166	98	30	3	0	0	0	0	486
20:00	57	4	12	52	86	103	79	19	9	1	0	0	0	0	422
21:00	14	0	4	17	70	150	109	39	3	1	0	0	0	0	407
22:00	7	2	13	21	42	53	63	46	13	1	3	0	0	0	264
23:00	1	0	0	0	4	34	65	69	16	5	3	0	0	0	197
Total	523	17	62	210	646	1802	3073	2023	684	134	15	4	2	1	9196

Daily
 15th Percentile : 35 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 53 MPH

 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 5096
 Percent in Pace : 55.4%
 Number of Vehicles > 40 MPH : 5936
 Percent of Vehicles > 40 MPH : 64.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
07/15/09	1	0	1	0	5	15	40	34	8	3	0	0	0	0	107
01:00	2	0	0	0	2	5	26	16	10	4	1	0	0	0	66
02:00	0	0	0	0	0	6	26	22	6	1	0	1	0	0	62
03:00	0	0	0	0	6	17	52	43	10	2	0	1	0	0	131
04:00	0	0	0	0	0	7	5	9	7	3	0	0	0	0	31
05:00	1	0	1	0	0	7	31	42	24	7	2	0	0	0	115
06:00	19	0	0	0	3	23	102	87	36	7	1	0	0	0	278
07:00	27	0	0	1	6	44	114	146	50	7	1	0	0	0	396
08:00	31	0	0	0	4	87	205	145	36	2	0	0	0	0	510
09:00	29	0	0	0	6	90	199	99	26	6	1	0	0	0	456
10:00	27	0	0	0	4	59	147	112	53	8	1	1	0	0	412
11:00	20	0	0	4	9	93	182	132	35	11	0	0	0	0	486
12 PM	39	2	5	3	49	101	225	112	27	4	0	0	0	0	567
13:00	36	0	4	19	39	138	157	88	22	1	0	0	0	0	504
14:00	37	0	6	14	54	158	196	106	30	5	1	1	0	0	608
15:00	39	0	2	23	70	145	248	113	39	7	0	1	0	0	687
16:00	58	0	0	6	21	145	281	164	63	5	1	0	0	0	744
17:00	40	0	0	14	65	168	266	185	45	1	0	0	0	0	784
18:00	37	0	0	14	58	172	205	129	48	5	0	0	0	0	668
19:00	30	0	2	21	39	120	188	118	34	1	1	0	0	0	554
20:00	15	0	0	9	47	140	169	74	17	5	0	0	0	0	476
21:00	21	0	8	18	75	156	140	53	11	0	0	0	0	1	483
22:00	7	0	0	5	48	81	132	60	18	4	1	1	1	0	358
23:00	2	0	0	2	9	55	110	83	16	1	0	0	0	0	278
Total	518	2	29	153	619	2032	3446	2172	671	100	11	6	1	1	9761

Daily
 15th Percentile : 36 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 53 MPH

 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 5618
 Percent in Pace : 57.6%
 Number of Vehicles > 40 MPH : 6408
 Percent of Vehicles > 40 MPH : 65.6%

Grand Total	1041	19	91	363	1265	3834	6519	4195	1355	234	26	10	3	2	18957
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Overall
 15th Percentile : 36 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 53 MPH

 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 10714
 Percent in Pace : 56.5%
 Number of Vehicles > 40 MPH : 12344
 Percent of Vehicles > 40 MPH : 65.1%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
07/14/09	0	0	0	1	7	18	25	7	1	0	0	0	0	0	59
01:00	0	0	0	0	6	9	11	8	0	0	0	0	0	1	35
02:00	0	0	0	0	5	3	4	3	0	0	0	0	0	0	15
03:00	0	0	0	0	1	7	7	7	2	0	0	0	0	0	24
04:00	0	0	0	1	7	19	29	9	8	1	0	0	0	0	74
05:00	1	0	0	0	3	65	99	69	8	0	1	1	0	0	247
06:00	18	0	8	29	70	161	163	46	10	1	0	0	0	0	506
07:00	39	0	1	11	101	337	254	64	9	1	1	0	0	0	818
08:00	33	0	0	10	55	261	326	63	6	2	0	0	0	0	756
09:00	19	0	7	9	22	173	233	47	7	1	0	0	0	0	518
10:00	20	0	1	1	25	172	206	58	5	0	0	0	0	0	488
11:00	36	1	0	5	26	258	173	46	3	0	0	0	0	0	548
12 PM	34	0	0	10	45	228	201	51	6	1	0	0	0	0	576
13:00	36	4	8	16	80	213	215	52	3	3	0	0	0	0	630
14:00	29	0	0	5	57	246	180	47	5	0	0	0	0	0	569
15:00	44	0	0	2	44	237	261	39	5	0	0	0	0	0	632
16:00	42	0	0	0	68	276	240	41	4	1	0	0	0	0	672
17:00	46	0	0	6	67	253	234	47	6	1	0	0	0	0	660
18:00	35	0	0	2	35	206	212	54	3	0	0	0	0	0	547
19:00	18	0	0	8	53	172	180	34	6	1	0	0	0	0	472
20:00	26	0	4	32	99	153	56	4	0	0	0	0	0	0	374
21:00	16	0	3	21	70	122	63	7	2	0	0	0	0	0	304
22:00	6	0	0	6	48	83	47	4	2	0	0	0	0	0	196
23:00	3	0	0	1	21	63	39	6	2	0	1	0	0	0	136
Total	501	5	32	176	1015	3735	3458	813	103	13	3	1	0	1	9856

Daily
 15th Percentile : 34 MPH
 50th Percentile : 40 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7193
 Percent in Pace : 73.0%
 Number of Vehicles > 40 MPH : 4392
 Percent of Vehicles > 40 MPH : 44.6%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
07/15/09	0	0	0	2	8	12	19	10	1	1	0	0	0	0	53
01:00	0	0	0	0	3	6	4	4	1	0	0	0	0	0	18
02:00	0	0	0	2	1	17	5	3	1	0	0	0	0	0	29
03:00	0	0	0	0	3	11	11	5	2	1	0	0	0	0	33
04:00	0	0	0	0	1	18	26	16	2	0	0	0	0	0	63
05:00	3	0	0	0	8	74	109	36	5	0	0	0	0	0	235
06:00	12	0	0	2	39	182	230	44	8	1	0	0	0	0	518
07:00	27	1	2	20	85	256	262	41	7	0	0	0	0	0	701
08:00	33	0	0	2	64	277	277	37	3	0	0	0	0	0	693
09:00	32	0	0	5	76	266	207	41	10	1	0	0	0	0	638
10:00	28	0	1	2	24	189	229	50	4	0	0	0	0	0	527
11:00	33	0	1	10	70	219	205	44	3	1	0	0	0	0	586
12 PM	44	0	0	9	76	224	206	41	1	1	0	0	0	0	602
13:00	32	0	0	6	88	225	178	40	5	0	0	0	0	0	574
14:00	33	0	6	7	66	220	205	51	8	1	0	0	0	0	597
15:00	41	0	2	3	27	257	240	65	9	0	0	0	0	0	644
16:00	62	0	0	0	59	278	245	50	3	0	0	0	0	0	697
17:00	41	0	0	5	54	235	243	60	5	0	0	0	0	0	643
18:00	46	0	0	2	30	255	250	38	3	0	0	0	0	0	624
19:00	37	0	0	0	24	227	204	26	0	0	0	0	0	0	518
20:00	18	0	0	4	45	169	130	28	1	0	1	0	0	0	396
21:00	26	0	1	12	73	140	69	13	0	0	0	0	0	0	334
22:00	3	1	0	2	26	87	51	13	1	0	0	0	0	0	184
23:00	1	0	0	1	20	56	48	5	2	1	0	0	0	0	134
Total	552	2	13	96	970	3900	3653	761	85	8	1	0	0	0	10041

Daily
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7553
 Percent in Pace : 75.2%
 Number of Vehicles > 40 MPH : 4508
 Percent of Vehicles > 40 MPH : 44.9%

Grand Total	1053	7	45	272	1985	7635	7111	1574	188	21	4	1	0	1	19897
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 14746
 Percent in Pace : 74.1%
 Number of Vehicles > 40 MPH : 8900
 Percent of Vehicles > 40 MPH : 44.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

SB, NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	0	0	0	2	10	33	61	42	10	2	0	0	0	0	160
01:00	0	0	0	0	10	20	29	23	12	1	0	0	0	1	96
02:00	0	0	0	0	5	12	9	15	3	1	0	0	1	1	47
03:00	0	0	0	0	1	9	21	16	3	3	1	0	0	0	54
04:00	0	0	0	2	9	26	35	21	10	1	0	0	0	0	104
05:00	2	0	1	0	3	72	120	102	39	5	2	2	0	0	348
06:00	33	0	10	31	82	201	273	138	36	9	0	1	0	0	814
07:00	76	0	1	11	110	363	371	191	57	10	4	2	0	0	1196
08:00	63	0	0	10	56	299	496	220	72	11	0	0	0	0	1227
09:00	35	0	8	10	27	218	379	149	44	16	0	0	0	0	886
10:00	40	0	1	7	42	255	405	159	36	11	0	0	0	0	956
11:00	67	2	1	9	41	358	325	159	39	13	0	0	0	0	1014
12 PM	66	0	2	21	100	327	364	171	65	5	0	0	0	0	1121
13:00	80	4	9	27	101	294	419	163	57	12	1	0	0	0	1167
14:00	58	0	0	9	90	392	365	185	39	12	1	0	1	0	1152
15:00	84	0	0	23	124	427	453	148	41	5	0	0	0	0	1305
16:00	96	5	17	24	128	434	542	184	49	9	0	0	0	0	1488
17:00	89	0	2	27	126	427	526	204	48	4	1	0	0	0	1454
18:00	66	0	0	3	72	323	471	220	44	5	1	0	0	0	1205
19:00	39	5	6	20	84	286	346	132	36	4	0	0	0	0	958
20:00	83	4	16	84	185	256	135	23	9	1	0	0	0	0	796
21:00	30	0	7	38	140	272	172	46	5	1	0	0	0	0	711
22:00	13	2	13	27	90	136	110	50	15	1	3	0	0	0	460
23:00	4	0	0	1	25	97	104	75	18	5	4	0	0	0	333
Total	1024	22	94	386	1661	5537	6531	2836	787	147	18	5	2	2	19052

Daily
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 47 MPH
 95th Percentile : 51 MPH
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 12068
 Percent in Pace : 63.3%
 Number of Vehicles > 40 MPH : 10328
 Percent of Vehicles > 40 MPH : 54.2%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

SB, 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
07/15/09	1	0	1	2	13	27	59	44	9	4	0	0	0	0	160
01:00	2	0	0	0	5	11	30	20	11	4	1	0	0	0	84
02:00	0	0	0	2	1	23	31	25	7	1	0	1	0	0	91
03:00	0	0	0	0	9	28	63	48	12	3	0	1	0	0	164
04:00	0	0	0	0	1	25	31	25	9	3	0	0	0	0	94
05:00	4	0	1	0	8	81	140	78	29	7	2	0	0	0	350
06:00	31	0	0	2	42	205	332	131	44	8	1	0	0	0	796
07:00	54	1	2	21	91	300	376	187	57	7	1	0	0	0	1097
08:00	64	0	0	2	68	364	482	182	39	2	0	0	0	0	1203
09:00	61	0	0	5	82	356	406	140	36	7	1	0	0	0	1094
10:00	55	0	1	2	28	248	376	162	57	8	1	1	0	0	939
11:00	53	0	1	14	79	312	387	176	38	12	0	0	0	0	1072
12 PM	83	2	5	12	125	325	431	153	28	5	0	0	0	0	1169
13:00	68	0	4	25	127	363	335	128	27	1	0	0	0	0	1078
14:00	70	0	12	21	120	378	401	157	38	6	1	1	0	0	1205
15:00	80	0	4	26	97	402	488	178	48	7	0	1	0	0	1331
16:00	120	0	0	6	80	423	526	214	66	5	1	0	0	0	1441
17:00	81	0	0	19	119	403	509	245	50	1	0	0	0	0	1427
18:00	83	0	0	16	88	427	455	167	51	5	0	0	0	0	1292
19:00	67	0	2	21	63	347	392	144	34	1	1	0	0	0	1072
20:00	33	0	0	13	92	309	299	102	18	5	1	0	0	0	872
21:00	47	0	9	30	148	296	209	66	11	0	0	0	0	1	817
22:00	10	1	0	7	74	168	183	73	19	4	1	1	1	0	542
23:00	3	0	0	3	29	111	158	88	18	2	0	0	0	0	412
Total	1070	4	42	249	1589	5932	7099	2933	756	108	12	6	1	1	19802

Daily
 15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 13031
 Percent in Pace : 65.8%
 Number of Vehicles > 40 MPH : 10916
 Percent of Vehicles > 40 MPH : 55.1%

Grand Total	2094	26	136	635	3250	11469	13630	5769	1543	255	30	11	3	3	38854
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 25099
 Percent in Pace : 64.6%
 Number of Vehicles > 40 MPH : 21244
 Percent of Vehicles > 40 MPH : 54.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
07/14/09	0	66	32	2	1	0	0	0	0	0	0	0	0	101	3
01:00	0	48	9	0	2	0	1	0	1	0	0	0	0	61	4
02:00	0	22	8	0	2	0	0	0	0	0	0	0	0	32	2
03:00	0	16	10	0	3	0	0	0	1	0	0	0	0	30	4
04:00	1	17	7	1	2	2	0	0	0	0	0	0	0	30	5
05:00	1	61	28	1	8	2	0	0	0	0	0	0	0	101	11
06:00	3	173	83	3	36	5	0	3	2	0	0	0	0	308	49
07:00	2	235	92	1	26	5	0	4	11	0	0	0	0	376	47
08:00	4	292	125	6	27	6	1	4	5	0	0	0	0	470	49
09:00	1	211	98	6	37	4	0	2	9	0	0	0	0	368	58
10:00	4	262	129	7	42	8	2	4	10	0	0	0	0	468	73
11:00	3	285	127	9	24	11	0	2	3	0	0	0	0	464	49
12 PM	7	329	143	6	32	5	0	9	10	2	0	0	0	543	64
13:00	8	329	142	4	33	6	1	5	6	0	0	1	0	535	56
14:00	9	362	159	6	31	6	0	5	4	0	0	0	0	582	52
15:00	6	447	144	5	46	10	1	9	4	0	0	0	0	672	75
16:00	10	516	216	3	40	15	1	13	4	0	0	0	0	818	76
17:00	3	571	168	3	33	5	0	6	1	2	0	0	0	792	50
18:00	6	481	138	1	20	3	0	7	1	0	0	0	0	657	32
19:00	2	349	111	0	19	1	0	2	1	0	0	0	0	485	23
20:00	2	335	63	1	15	0	0	3	2	0	0	0	0	421	21
21:00	0	317	78	3	7	0	0	1	0	0	0	0	0	406	11
22:00	0	198	55	0	9	1	0	0	0	0	0	0	0	263	10
23:00	0	149	45	0	3	0	0	0	0	0	0	0	0	197	3
Total	72	6071	2210	68	498	95	7	79	75	4	0	1	0	9180	827
Percent	0.8%	66.1%	24.1%	0.7%	5.4%	1.0%	0.1%	0.9%	0.8%	0.0%	0.0%	0.0%	0.0%		9.0%
AM Peak	08:00	08:00	10:00	11:00	10:00	11:00	10:00	07:00	07:00					08:00	10:00
Vol.	4	292	129	9	42	11	2	4	11					470	73
PM Peak	16:00	17:00	16:00	12:00	15:00	16:00	13:00	16:00	12:00	12:00		13:00		16:00	16:00
Vol.	10	571	216	6	46	15	1	13	10	2		1		818	76

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

Community: Stoughton
Com #_U/RFC: 285_U3
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Turnpike St(139),north Pleasant St(139)

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
07/15/09	0	85	18	0	3	1	0	0	0	0	0	0	0	107	4
01:00	0	46	16	0	2	0	0	1	1	0	0	0	0	66	4
02:00	0	47	14	0	1	0	0	0	0	0	0	0	0	62	1
03:00	0	108	22	0	1	0	0	0	0	0	0	0	0	131	1
04:00	0	18	9	1	2	1	0	0	0	0	0	0	0	31	4
05:00	1	66	34	2	12	0	0	0	0	0	0	0	0	115	14
06:00	2	160	73	4	29	5	0	1	4	0	0	0	0	278	43
07:00	4	253	97	6	24	3	1	2	5	0	0	0	0	395	41
08:00	6	291	151	6	34	8	0	6	6	0	0	0	0	508	60
09:00	4	267	127	4	30	9	2	6	6	0	0	0	0	455	57
10:00	4	233	121	11	23	7	0	5	7	0	0	0	0	411	53
11:00	1	295	136	12	33	3	0	4	2	0	0	0	0	486	54
12 PM	4	353	148	4	28	10	1	8	10	0	0	0	0	566	61
13:00	1	326	121	12	24	3	0	9	6	0	0	0	0	502	54
14:00	5	397	152	4	36	6	1	3	2	1	0	0	0	607	53
15:00	2	451	159	2	44	15	0	6	4	1	1	0	0	685	73
16:00	5	497	167	6	47	14	0	8	3	0	0	0	0	747	78
17:00	11	559	174	3	27	1	0	4	3	1	0	0	0	783	39
18:00	12	471	152	0	26	0	0	5	0	0	0	0	0	666	31
19:00	10	393	115	0	28	2	0	3	2	0	0	0	0	553	35
20:00	5	347	99	2	21	1	0	1	0	0	0	0	0	476	25
21:00	2	369	94	0	15	1	0	2	0	0	0	0	0	483	18
22:00	2	273	66	0	13	1	0	2	0	0	0	0	0	357	16
23:00	2	205	59	0	9	0	0	1	1	0	0	0	0	277	11
Total	83	6510	2324	79	512	91	5	77	62	3	1	0	0	9747	830
Percent	0.9%	66.8%	23.8%	0.8%	5.3%	0.9%	0.1%	0.8%	0.6%	0.0%	0.0%	0.0%	0.0%		8.5%
AM Peak	08:00	11:00	08:00	11:00	08:00	09:00	09:00	08:00	10:00					08:00	08:00
Vol.	6	295	151	12	34	9	2	6	7					508	60
PM Peak	18:00	17:00	17:00	13:00	16:00	15:00	12:00	13:00	12:00	14:00	15:00			17:00	16:00
Vol.	12	559	174	12	47	15	1	9	10	1	1			783	78
Grand Total	155	12581	4534	147	1010	186	12	156	137	7	1	1	0	18927	1657
Percent	0.8%	66.5%	24.0%	0.8%	5.3%	1.0%	0.1%	0.8%	0.7%	0.0%	0.0%	0.0%	0.0%		8.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
	07/14/09	0	50	3	2	2	2	0	0	0	0	0	0	0	59	6
	01:00	0	28	5	0	1	1	0	0	0	0	0	0	0	35	2
	02:00	0	12	1	0	0	2	0	0	0	0	0	0	0	15	2
	03:00	0	12	8	0	0	1	0	2	1	0	0	0	0	24	4
	04:00	2	52	14	2	1	3	0	0	0	0	0	0	0	74	6
	05:00	6	178	43	4	7	3	0	1	5	0	0	0	0	247	20
	06:00	4	356	87	6	12	25	0	7	9	0	0	0	0	506	59
	07:00	6	625	137	4	16	11	2	8	7	0	0	0	0	816	48
	08:00	6	581	117	5	20	6	0	3	16	0	0	0	0	754	50
	09:00	4	383	81	4	25	4	0	5	11	0	0	0	0	517	49
	10:00	1	360	82	8	18	8	1	4	6	0	0	0	0	488	45
	11:00	1	417	80	9	13	7	2	4	13	0	0	0	0	546	48
	12 PM	5	447	86	5	19	4	0	3	6	0	0	0	0	575	37
	13:00	6	472	107	6	16	6	1	5	10	0	0	0	0	629	44
	14:00	2	434	98	5	10	7	1	6	3	2	0	0	0	568	34
	15:00	4	515	87	2	14	4	0	2	3	0	0	0	0	631	25
	16:00	7	554	84	1	13	6	0	3	1	1	0	0	0	670	25
	17:00	8	547	88	0	11	2	0	2	1	0	0	0	0	659	16
	18:00	3	471	62	1	7	1	0	1	0	0	0	0	0	546	10
	19:00	2	406	55	0	4	1	0	2	1	0	0	0	0	471	8
	20:00	4	324	40	0	3	1	0	1	0	0	0	0	0	373	5
	21:00	3	258	36	0	4	2	0	0	1	0	0	0	0	304	7
	22:00	0	179	14	1	0	0	0	0	1	0	0	0	0	195	2
	23:00	3	124	8	0	0	1	0	0	0	0	0	0	0	136	1
	Total	77	7785	1423	65	216	108	7	59	95	3	0	0	0	9838	553
	Percent	0.8%	79.1%	14.5%	0.7%	2.2%	1.1%	0.1%	0.6%	1.0%	0.0%	0.0%	0.0%	0.0%		5.6%
	AM Peak	05:00	07:00	07:00	11:00	09:00	06:00	07:00	07:00	08:00					07:00	06:00
	Vol.	6	625	137	9	25	25	2	8	16					816	59
	PM Peak	17:00	16:00	13:00	13:00	12:00	14:00	13:00	14:00	13:00	14:00				16:00	13:00
	Vol.	8	554	107	6	19	7	1	6	10	2				670	44

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

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
	07/15/09	0	48	4	0	1	0	0	0	0	0	0	0	0	53	1
	01:00	1	12	3	1	1	0	0	0	0	0	0	0	0	18	2
	02:00	0	23	5	0	0	0	0	0	1	0	0	0	0	29	1
	03:00	0	26	5	0	0	0	0	2	0	0	0	0	0	33	2
	04:00	2	46	11	1	1	1	0	0	1	0	0	0	0	63	4
	05:00	4	160	49	1	8	4	1	3	5	0	0	0	0	235	22
	06:00	4	374	90	3	13	21	0	5	6	1	0	0	0	517	49
	07:00	4	554	101	6	16	5	2	4	8	0	0	0	0	700	41
	08:00	5	550	95	2	22	5	1	6	5	0	0	0	0	691	41
	09:00	5	478	105	6	21	10	1	1	8	0	0	0	1	636	48
	10:00	3	404	84	6	18	4	1	1	4	0	0	0	0	525	34
	11:00	3	450	87	10	13	3	0	4	14	0	0	0	0	584	44
	12 PM	2	479	83	4	14	7	3	2	6	0	0	0	0	600	36
	13:00	4	459	75	5	10	5	1	4	9	0	0	0	0	572	34
	14:00	2	468	89	5	15	1	0	9	6	0	0	0	0	595	36
	15:00	5	508	102	4	19	1	0	3	1	0	0	0	0	643	28
	16:00	4	581	85	4	13	6	0	4	2	0	0	0	0	699	29
	17:00	8	541	69	2	15	2	0	4	1	0	0	0	0	642	24
	18:00	3	533	67	3	15	1	0	1	0	0	0	0	0	623	20
	19:00	3	451	57	0	3	0	0	1	1	0	0	0	0	516	5
	20:00	2	321	56	1	10	3	0	0	2	0	0	0	0	395	16
	21:00	6	294	29	0	4	0	0	0	0	0	0	0	0	333	4
	22:00	1	161	16	0	4	1	0	1	0	0	0	0	0	184	6
	23:00	0	116	16	0	2	0	0	0	0	0	0	0	0	134	2
	Total	71	8037	1383	64	238	80	10	55	80	1	0	0	1	10020	529
	Percent	0.7%	80.2%	13.8%	0.6%	2.4%	0.8%	0.1%	0.5%	0.8%	0.0%	0.0%	0.0%	0.0%		5.3%
	AM Peak	08:00	07:00	09:00	11:00	08:00	06:00	07:00	08:00	11:00	06:00			09:00	07:00	06:00
	Vol.	5	554	105	10	22	21	2	6	14	1			1	700	49
	PM Peak	17:00	16:00	15:00	13:00	15:00	12:00	12:00	14:00	13:00					16:00	12:00
	Vol.	8	581	102	5	19	7	3	9	9					699	36
	Grand Total	148	15822	2806	129	454	188	17	114	175	4	0	0	1	19858	1082
	Percent	0.7%	79.7%	14.1%	0.6%	2.3%	0.9%	0.1%	0.6%	0.9%	0.0%	0.0%	0.0%	0.0%		5.4%

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

SB, 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
	07/14/09	0	116	35	4	3	2	0	0	0	0	0	0	0	160	9
	01:00	0	76	14	0	3	1	1	0	1	0	0	0	0	96	6
	02:00	0	34	9	0	2	2	0	0	0	0	0	0	0	47	4
	03:00	0	28	18	0	3	1	0	2	2	0	0	0	0	54	8
	04:00	3	69	21	3	3	5	0	0	0	0	0	0	0	104	11
	05:00	7	239	71	5	15	5	0	1	5	0	0	0	0	348	31
	06:00	7	529	170	9	48	30	0	10	11	0	0	0	0	814	108
	07:00	8	860	229	5	42	16	2	12	18	0	0	0	0	1192	95
	08:00	10	873	242	11	47	12	1	7	21	0	0	0	0	1224	99
	09:00	5	594	179	10	62	8	0	7	20	0	0	0	0	885	107
	10:00	5	622	211	15	60	16	3	8	16	0	0	0	0	956	118
	11:00	4	702	207	18	37	18	2	6	16	0	0	0	0	1010	97
	12 PM	12	776	229	11	51	9	0	12	16	2	0	0	0	1118	101
	13:00	14	801	249	10	49	12	2	10	16	0	0	1	0	1164	100
	14:00	11	796	257	11	41	13	1	11	7	2	0	0	0	1150	86
	15:00	10	962	231	7	60	14	1	11	7	0	0	0	0	1303	100
	16:00	17	1070	300	4	53	21	1	16	5	1	0	0	0	1488	101
	17:00	11	1118	256	3	44	7	0	8	2	2	0	0	0	1451	66
	18:00	9	952	200	2	27	4	0	8	1	0	0	0	0	1203	42
	19:00	4	755	166	0	23	2	0	4	2	0	0	0	0	956	31
	20:00	6	659	103	1	18	1	0	4	2	0	0	0	0	794	26
	21:00	3	575	114	3	11	2	0	1	1	0	0	0	0	710	18
	22:00	0	377	69	1	9	1	0	0	1	0	0	0	0	458	12
	23:00	3	273	53	0	3	1	0	0	0	0	0	0	0	333	4
	Total	149	13856	3633	133	714	203	14	138	170	7	0	1	0	19018	1380
	Percent	0.8%	72.9%	19.1%	0.7%	3.8%	1.1%	0.1%	0.7%	0.9%	0.0%	0.0%	0.0%	0.0%		7.3%
	AM Peak	08:00	08:00	08:00	11:00	09:00	06:00	10:00	07:00	08:00					08:00	10:00
	Vol.	10	873	242	18	62	30	3	12	21					1224	118
	PM Peak	16:00	17:00	16:00	12:00	15:00	16:00	13:00	16:00	12:00	12:00		13:00		16:00	12:00
	Vol.	17	1118	300	11	60	21	2	16	16	2		1		1488	101

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

Community: Stoughton
 Com #_U/RFC: 285_U3
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Turnpike St(139),north Pleasant St(139)

SB, 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
	07/15/09	0	133	22	0	4	1	0	0	0	0	0	0	0	160	5
	01:00	1	58	19	1	3	0	0	1	1	0	0	0	0	84	6
	02:00	0	70	19	0	1	0	0	0	1	0	0	0	0	91	2
	03:00	0	134	27	0	1	0	0	2	0	0	0	0	0	164	3
	04:00	2	64	20	2	3	2	0	0	1	0	0	0	0	94	8
	05:00	5	226	83	3	20	4	1	3	5	0	0	0	0	350	36
	06:00	6	534	163	7	42	26	0	6	10	1	0	0	0	795	92
	07:00	8	807	198	12	40	8	3	6	13	0	0	0	0	1095	82
	08:00	11	841	246	8	56	13	1	12	11	0	0	0	0	1199	101
	09:00	9	745	232	10	51	19	3	7	14	0	0	0	1	1091	105
	10:00	7	637	205	17	41	11	1	6	11	0	0	0	0	936	87
	11:00	4	745	223	22	46	6	0	8	16	0	0	0	0	1070	98
	12 PM	6	832	231	8	42	17	4	10	16	0	0	0	0	1166	97
	13:00	5	785	196	17	34	8	1	13	15	0	0	0	0	1074	88
	14:00	7	865	241	9	51	7	1	12	8	1	0	0	0	1202	89
	15:00	7	959	261	6	63	16	0	9	5	1	1	0	0	1328	101
	16:00	9	1078	252	10	60	20	0	12	5	0	0	0	0	1446	107
	17:00	19	1100	243	5	42	3	0	8	4	1	0	0	0	1425	63
	18:00	15	1004	219	3	41	1	0	6	0	0	0	0	0	1289	51
	19:00	13	844	172	0	31	2	0	4	3	0	0	0	0	1069	40
	20:00	7	668	155	3	31	4	0	1	2	0	0	0	0	871	41
	21:00	8	663	123	0	19	1	0	2	0	0	0	0	0	816	22
	22:00	3	434	82	0	17	2	0	3	0	0	0	0	0	541	22
	23:00	2	321	75	0	11	0	0	1	1	0	0	0	0	411	13
	Total	154	14547	3707	143	750	171	15	132	142	4	1	0	1	19767	1359
	Percent	0.8%	73.6%	18.8%	0.7%	3.8%	0.9%	0.1%	0.7%	0.7%	0.0%	0.0%	0.0%	0.0%		6.9%
	AM Peak	08:00	08:00	08:00	11:00	08:00	06:00	07:00	08:00	11:00	06:00			09:00	08:00	09:00
	Vol.	11	841	246	22	56	26	3	12	16	1			1	1199	105
	PM Peak	17:00	17:00	15:00	13:00	15:00	16:00	12:00	13:00	12:00	14:00	15:00			16:00	16:00
	Vol.	19	1100	261	17	63	20	4	13	16	1	1			1446	107
	Grand Total	303	28403	7340	276	1464	374	29	270	312	11	1	1	1	38785	2739
	Percent	0.8%	73.2%	18.9%	0.7%	3.8%	1.0%	0.1%	0.7%	0.8%	0.0%	0.0%	0.0%	0.0%		7.1%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

Start Time	11-May-09		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	*	*	37	57	33	72	*	*	*	*	*	*	*	*	35	64
01:00	*	*	17	30	10	36	*	*	*	*	*	*	*	*	14	33
02:00	*	*	19	18	21	19	*	*	*	*	*	*	*	*	20	18
03:00	*	*	27	21	34	13	*	*	*	*	*	*	*	*	30	17
04:00	*	*	60	27	70	25	*	*	*	*	*	*	*	*	65	26
05:00	*	*	293	67	276	61	*	*	*	*	*	*	*	*	284	64
06:00	*	*	818	186	843	171	*	*	*	*	*	*	*	*	830	178
07:00	*	*	1098	281	1056	318	*	*	*	*	*	*	*	*	1077	300
08:00	*	*	850	339	875	306	*	*	*	*	*	*	*	*	862	322
09:00	*	*	520	253	532	300	*	*	*	*	*	*	*	*	526	276
10:00	*	*	372	299	378	313	*	*	*	*	*	*	*	*	375	306
11:00	*	*	362	339	422	368	*	*	*	*	*	*	*	*	392	354
12:00 PM	*	*	372	383	379	430	*	*	*	*	*	*	*	*	376	406
01:00	*	*	356	401	353	468	*	*	*	*	*	*	*	*	354	434
02:00	*	*	392	514	446	519	*	*	*	*	*	*	*	*	419	516
03:00	*	*	419	698	391	687	*	*	*	*	*	*	*	*	405	692
04:00	*	*	404	868	407	900	*	*	*	*	*	*	*	*	406	884
05:00	*	*	448	934	499	875	*	*	*	*	*	*	*	*	474	904
06:00	*	*	363	728	385	733	*	*	*	*	*	*	*	*	374	730
07:00	*	*	267	496	275	482	*	*	*	*	*	*	*	*	271	489
08:00	*	*	186	269	237	387	*	*	*	*	*	*	*	*	212	328
09:00	*	*	159	266	155	248	*	*	*	*	*	*	*	*	157	257
10:00	*	*	130	133	142	150	*	*	*	*	*	*	*	*	136	142
11:00	*	*	74	120	65	122	*	*	*	*	*	*	*	*	70	121
Total	0	0	8043	7727	8284	8003	0	0	0	0	0	0	0	0	8164	7861
Day	0	0	15770		16287		0	0	0	0	0	0	0	0	16025	
AM Peak			07:00	08:00	07:00	11:00									07:00	11:00
Vol.			1098	339	1056	368									1077	354
PM Peak			17:00	17:00	17:00	16:00									17:00	17:00
Vol.			448	934	499	900									474	904

Comb. Total 0 15770 16287 0 0 0 0 16025

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

Start Time	11-May-09 Mon	12-May-09 Tue	13-May-09 Wed	14-May-09 Thu	15-May-09 Fri	16-May-09 Sat	17-May-09 Sun	Week Average
12:00 AM	*	94	105	*	*	*	*	100
01:00	*	47	46	*	*	*	*	46
02:00	*	37	40	*	*	*	*	38
03:00	*	48	47	*	*	*	*	48
04:00	*	87	95	*	*	*	*	91
05:00	*	360	337	*	*	*	*	348
06:00	*	1004	1014	*	*	*	*	1009
07:00	*	1379	1374	*	*	*	*	1376
08:00	*	1189	1181	*	*	*	*	1185
09:00	*	773	832	*	*	*	*	802
10:00	*	671	691	*	*	*	*	681
11:00	*	701	790	*	*	*	*	746
12:00 PM	*	755	809	*	*	*	*	782
01:00	*	757	821	*	*	*	*	789
02:00	*	906	965	*	*	*	*	936
03:00	*	1117	1078	*	*	*	*	1098
04:00	*	1272	1307	*	*	*	*	1290
05:00	*	1382	1374	*	*	*	*	1378
06:00	*	1091	1118	*	*	*	*	1104
07:00	*	763	757	*	*	*	*	760
08:00	*	455	624	*	*	*	*	540
09:00	*	425	403	*	*	*	*	414
10:00	*	263	292	*	*	*	*	278
11:00	*	194	187	*	*	*	*	190
Total	0	15770	16287	0	0	0	0	16029
Percentage	0.0%	98.4%	101.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		1379	1374					1376
PM Peak		17:00	17:00					17:00
Vol.		1382	1374					1378

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/12/09	0	0	0	1	1	3	7	14	6	2	3	0	0	0	37
01:00	0	0	0	0	0	0	2	8	4	2	1	0	0	0	17
02:00	0	0	0	0	0	2	5	7	4	1	0	0	0	0	19
03:00	0	0	0	0	0	0	11	9	6	0	1	0	0	0	27
04:00	0	0	0	1	0	4	13	21	15	4	1	1	0	0	60
05:00	6	0	0	1	0	4	57	115	88	16	4	1	1	0	293
06:00	14	0	0	4	2	51	278	348	108	13	0	0	0	0	818
07:00	36	0	0	1	6	75	420	479	77	4	0	0	0	0	1098
08:00	35	0	2	5	2	61	394	296	47	8	0	0	0	0	850
09:00	9	0	0	0	6	37	211	199	52	6	0	0	0	0	520
10:00	14	0	1	1	1	23	148	142	40	2	0	0	0	0	372
11:00	13	0	0	1	3	12	145	137	47	4	0	0	0	0	362
12 PM	6	0	0	1	5	27	145	149	33	4	2	0	0	0	372
13:00	7	1	1	0	2	25	121	160	33	5	0	1	0	0	356
14:00	22	0	0	0	1	21	135	169	39	5	0	0	0	0	392
15:00	25	0	0	1	1	24	156	158	50	4	0	0	0	0	419
16:00	27	0	0	2	4	26	128	165	49	3	0	0	0	0	404
17:00	46	0	0	0	1	24	131	183	56	7	0	0	0	0	448
18:00	19	0	1	1	8	26	115	130	49	7	5	0	1	1	363
19:00	11	0	1	2	5	14	95	92	34	11	0	1	1	0	267
20:00	9	0	0	1	8	23	94	34	14	2	0	1	0	0	186
21:00	6	0	0	1	0	23	47	61	18	3	0	0	0	0	159
22:00	1	0	0	0	0	14	44	46	20	3	1	0	1	0	130
23:00	0	0	0	0	1	3	27	24	11	6	0	1	0	1	74
Total	306	1	6	24	57	522	2929	3146	900	122	18	6	4	2	8043

Daily
 15th Percentile : 41 MPH
 50th Percentile : 46 MPH
 85th Percentile : 50 MPH
 95th Percentile : 54 MPH

 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6075
 Percent in Pace : 75.5%
 Number of Vehicles > 50 MPH : 1052
 Percent of Vehicles > 50 MPH : 13.1%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/13/09	1	0	0	0	2	1	9	13	6	1	0	0	0	0	33
01:00	0	0	0	0	0	0	2	5	2	0	1	0	0	0	10
02:00	0	0	0	0	0	1	8	1	7	4	0	0	0	0	21
03:00	0	0	0	0	0	4	6	15	7	2	0	0	0	0	34
04:00	0	0	0	1	0	1	12	24	25	6	1	0	0	0	70
05:00	5	0	0	0	3	7	41	135	65	18	1	0	1	0	276
06:00	18	0	3	1	25	64	264	359	100	8	1	0	0	0	843
07:00	30	0	0	3	2	83	448	417	68	4	1	0	0	0	1056
08:00	24	2	2	4	18	79	346	325	66	8	0	0	0	1	875
09:00	10	0	0	0	4	29	197	216	66	6	4	0	0	0	532
10:00	12	0	0	1	0	34	134	150	42	2	3	0	0	0	378
11:00	17	0	1	2	4	39	192	134	30	2	1	0	0	0	422
12 PM	16	0	1	0	2	32	138	149	35	5	1	0	0	0	379
13:00	15	0	1	0	3	24	127	132	44	5	1	0	1	0	353
14:00	16	0	0	2	4	23	169	167	56	4	3	1	0	1	446
15:00	18	3	1	0	7	30	121	168	35	3	3	2	0	0	391
16:00	35	0	1	0	6	17	107	176	58	5	2	0	0	0	407
17:00	40	1	1	1	1	22	141	212	71	8	1	0	0	0	499
18:00	32	0	2	1	6	19	114	143	62	6	0	0	0	0	385
19:00	8	0	1	0	1	9	100	121	28	5	1	1	0	0	275
20:00	11	0	0	0	3	19	112	67	20	4	0	0	1	0	237
21:00	3	0	0	0	0	15	68	50	15	2	0	2	0	0	155
22:00	3	0	0	0	1	10	59	50	11	5	1	2	0	0	142
23:00	1	1	1	0	0	6	18	21	11	2	2	0	0	2	65
Total	315	7	15	16	92	568	2933	3250	930	115	28	8	3	4	8284

Daily
 15th Percentile : 41 MPH
 50th Percentile : 46 MPH
 85th Percentile : 50 MPH
 95th Percentile : 54 MPH
 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6183
 Percent in Pace : 74.6%
 Number of Vehicles > 50 MPH : 1088
 Percent of Vehicles > 50 MPH : 13.1%

Grand Total	621	8	21	40	149	1090	5862	6396	1830	237	46	14	7	6	16327
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Overall
 15th Percentile : 41 MPH
 50th Percentile : 46 MPH
 85th Percentile : 50 MPH
 95th Percentile : 54 MPH
 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 12258
 Percent in Pace : 75.1%
 Number of Vehicles > 50 MPH : 2140
 Percent of Vehicles > 50 MPH : 13.1%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/12/09	0	0	0	0	0	3	14	28	11	0	0	1	0	0	57
01:00	0	0	0	0	0	2	7	11	9	0	1	0	0	0	30
02:00	0	0	0	0	0	3	3	8	3	1	0	0	0	0	18
03:00	0	0	0	0	0	0	6	11	3	1	0	0	0	0	21
04:00	0	0	0	0	0	2	7	7	2	5	3	1	0	0	27
05:00	2	1	0	0	1	9	19	22	10	1	2	0	0	0	67
06:00	20	0	2	1	5	9	74	56	16	3	0	0	0	0	186
07:00	42	0	2	0	3	21	93	81	33	5	0	1	0	0	281
08:00	31	0	1	1	4	28	123	118	24	8	1	0	0	0	339
09:00	11	0	1	0	1	15	96	99	29	1	0	0	0	0	253
10:00	10	0	0	0	3	12	126	101	44	3	0	0	0	0	299
11:00	15	0	0	2	8	42	139	103	27	3	0	0	0	0	339
12 PM	13	0	0	3	16	39	144	130	37	1	0	0	0	0	383
13:00	12	0	0	0	0	25	156	158	44	6	0	0	0	0	401
14:00	35	0	0	1	3	46	204	183	37	5	0	0	0	0	514
15:00	46	4	3	17	25	65	253	235	45	4	1	0	0	0	698
16:00	45	0	0	1	14	56	390	319	40	3	0	0	0	0	868
17:00	36	2	1	3	15	62	400	350	63	2	0	0	0	0	934
18:00	26	0	0	1	14	59	294	271	61	2	0	0	0	0	728
19:00	20	0	0	2	8	56	183	205	22	0	0	0	0	0	496
20:00	8	0	0	0	5	32	102	94	24	4	0	0	0	0	269
21:00	4	0	0	0	2	24	121	90	17	7	1	0	0	0	266
22:00	1	0	0	0	0	14	49	50	13	4	2	0	0	0	133
23:00	0	1	0	0	0	13	35	51	17	2	1	0	0	0	120
Total	377	8	10	32	127	637	3038	2781	631	71	12	3	0	0	7727

Daily
 15th Percentile : 40 MPH
 50th Percentile : 45 MPH
 85th Percentile : 50 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 5819
 Percent in Pace : 75.3%
 Number of Vehicles > 50 MPH : 717
 Percent of Vehicles > 50 MPH : 9.3%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/13/09	1	0	0	0	0	5	23	28	13	0	1	0	1	0	72
01:00	0	0	0	0	1	3	7	10	12	3	0	0	0	0	36
02:00	0	0	0	0	0	2	7	8	1	0	0	1	0	0	19
03:00	0	0	0	0	0	2	5	4	1	1	0	0	0	0	13
04:00	0	0	0	0	0	3	8	9	3	1	0	0	0	1	25
05:00	1	1	0	0	3	6	22	20	6	2	0	0	0	0	61
06:00	20	0	0	1	7	19	49	54	13	7	1	0	0	0	171
07:00	37	0	0	0	4	40	118	89	25	5	0	0	0	0	318
08:00	24	0	1	0	10	35	96	99	34	7	0	0	0	0	306
09:00	15	0	0	1	0	25	121	113	25	0	0	0	0	0	300
10:00	9	0	1	1	0	26	142	99	30	3	2	0	0	0	313
11:00	21	0	2	0	6	56	170	94	16	3	0	0	0	0	368
12 PM	19	0	0	4	12	63	175	127	27	2	1	0	0	0	430
13:00	21	0	1	2	10	69	186	150	27	2	0	0	0	0	468
14:00	22	0	0	3	18	70	236	136	33	1	0	0	0	0	519
15:00	20	0	0	2	23	110	282	217	32	1	0	0	0	0	687
16:00	51	1	1	1	22	151	373	268	32	0	0	0	0	0	900
17:00	47	0	0	0	1	114	401	267	44	1	0	0	0	0	875
18:00	35	1	1	1	19	92	290	246	44	4	0	0	0	0	733
19:00	14	0	0	1	3	52	179	178	47	7	0	0	1	0	482
20:00	13	0	0	1	6	72	171	99	24	1	0	0	0	0	387
21:00	2	0	0	0	4	28	122	67	21	3	1	0	0	0	248
22:00	3	0	0	0	1	8	60	61	14	2	1	0	0	0	150
23:00	0	0	0	0	0	9	43	58	7	3	1	1	0	0	122
Total	375	3	7	18	150	1060	3286	2501	531	59	8	2	2	1	8003

Daily
 15th Percentile : 39 MPH
 50th Percentile : 44 MPH
 85th Percentile : 49 MPH
 95th Percentile : 52 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 5787
 Percent in Pace : 72.3%
 Number of Vehicles > 50 MPH : 603
 Percent of Vehicles > 50 MPH : 7.5%

Grand Total	752	11	17	50	277	1697	6324	5282	1162	130	20	5	2	1	15730
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Overall
 15th Percentile : 39 MPH
 50th Percentile : 45 MPH
 85th Percentile : 50 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 11606
 Percent in Pace : 73.8%
 Number of Vehicles > 50 MPH : 1320
 Percent of Vehicles > 50 MPH : 8.4%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

EB, WB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
05/12/09	0	0	0	1	1	6	21	42	17	2	3	1	0	0	0	94
01:00	0	0	0	0	0	2	9	19	13	2	2	0	0	0	0	47
02:00	0	0	0	0	0	5	8	15	7	2	0	0	0	0	0	37
03:00	0	0	0	0	0	0	17	20	9	1	1	0	0	0	0	48
04:00	0	0	0	1	0	6	20	28	17	9	4	2	0	0	0	87
05:00	8	1	0	1	1	13	76	137	98	17	6	1	1	0	0	360
06:00	34	0	2	5	7	60	352	404	124	16	0	0	0	0	0	1004
07:00	78	0	2	1	9	96	513	560	110	9	0	1	0	0	0	1379
08:00	66	0	3	6	6	89	517	414	71	16	1	0	0	0	0	1189
09:00	20	0	1	0	7	52	307	298	81	7	0	0	0	0	0	773
10:00	24	0	1	1	4	35	274	243	84	5	0	0	0	0	0	671
11:00	28	0	0	3	11	54	284	240	74	7	0	0	0	0	0	701
12 PM	19	0	0	4	21	66	289	279	70	5	2	0	0	0	0	755
13:00	19	1	1	0	2	50	277	318	77	11	0	1	0	0	0	757
14:00	57	0	0	1	4	67	339	352	76	10	0	0	0	0	0	906
15:00	71	4	3	18	26	89	409	393	95	8	1	0	0	0	0	1117
16:00	72	0	0	3	18	82	518	484	89	6	0	0	0	0	0	1272
17:00	82	2	1	3	16	86	531	533	119	9	0	0	0	0	0	1382
18:00	45	0	1	2	22	85	409	401	110	9	5	0	1	1	0	1091
19:00	31	0	1	4	13	70	278	297	56	11	0	1	1	0	0	763
20:00	17	0	0	1	13	55	196	128	38	6	0	1	0	0	0	455
21:00	10	0	0	1	2	47	168	151	35	10	1	0	0	0	0	425
22:00	2	0	0	0	0	28	93	96	33	7	3	0	1	0	0	263
23:00	0	1	0	0	1	16	62	75	28	8	1	1	0	1	0	194
Total	683	9	16	56	184	1159	5967	5927	1531	193	30	9	4	2	0	15770

Daily
 15th Percentile : 41 MPH
 50th Percentile : 45 MPH
 85th Percentile : 50 MPH
 95th Percentile : 54 MPH

 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 11894
 Percent in Pace : 75.4%
 Number of Vehicles > 50 MPH : 1769
 Percent of Vehicles > 50 MPH : 11.2%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

EB, WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/13/09	2	0	0	0	2	6	32	41	19	1	1	0	1	0	105
01:00	0	0	0	0	1	3	9	15	14	3	1	0	0	0	46
02:00	0	0	0	0	0	3	15	9	8	4	0	1	0	0	40
03:00	0	0	0	0	0	6	11	19	8	3	0	0	0	0	47
04:00	0	0	0	1	0	4	20	33	28	7	1	0	0	1	95
05:00	6	1	0	0	6	13	63	155	71	20	1	0	1	0	337
06:00	38	0	3	2	32	83	313	413	113	15	2	0	0	0	1014
07:00	67	0	0	3	6	123	566	506	93	9	1	0	0	0	1374
08:00	48	2	3	4	28	114	442	424	100	15	0	0	0	1	1181
09:00	25	0	0	1	4	54	318	329	91	6	4	0	0	0	832
10:00	21	0	1	2	0	60	276	249	72	5	5	0	0	0	691
11:00	38	0	3	2	10	95	362	228	46	5	1	0	0	0	790
12 PM	35	0	1	4	14	95	313	276	62	7	2	0	0	0	809
13:00	36	0	2	2	13	93	313	282	71	7	1	0	1	0	821
14:00	38	0	0	5	22	93	405	303	89	5	3	1	0	1	965
15:00	38	3	1	2	30	140	403	385	67	4	3	2	0	0	1078
16:00	86	1	2	1	28	168	480	444	90	5	2	0	0	0	1307
17:00	87	1	1	1	2	136	542	479	115	9	1	0	0	0	1374
18:00	67	1	3	2	25	111	404	389	106	10	0	0	0	0	1118
19:00	22	0	1	1	4	61	279	299	75	12	1	1	1	0	757
20:00	24	0	0	1	9	91	283	166	44	5	0	0	1	0	624
21:00	5	0	0	0	4	43	190	117	36	5	1	2	0	0	403
22:00	6	0	0	0	2	18	119	111	25	7	2	2	0	0	292
23:00	1	1	1	0	0	15	61	79	18	5	3	1	0	2	187
Total	690	10	22	34	242	1628	6219	5751	1461	174	36	10	5	5	16287

Daily
 15th Percentile : 40 MPH
 50th Percentile : 45 MPH
 85th Percentile : 50 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 11970
 Percent in Pace : 73.5%
 Number of Vehicles > 50 MPH : 1691
 Percent of Vehicles > 50 MPH : 10.4%

Grand Total	1373	19	38	90	426	2787	12186	11678	2992	367	66	19	9	7	32057
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Overall
 15th Percentile : 41 MPH
 50th Percentile : 45 MPH
 85th Percentile : 50 MPH
 95th Percentile : 54 MPH
 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 23864
 Percent in Pace : 74.4%
 Number of Vehicles > 50 MPH : 3460
 Percent of Vehicles > 50 MPH : 10.8%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/12/09	0	26	9	0	2	0	0	0	0	0	0	0	0	37	2
01:00	0	11	5	0	1	0	0	0	0	0	0	0	0	17	1
02:00	0	13	4	0	2	0	0	0	0	0	0	0	0	19	2
03:00	0	16	8	0	3	0	0	0	0	0	0	0	0	27	3
04:00	0	28	25	0	7	0	0	0	0	0	0	0	0	60	7
05:00	1	163	82	0	44	2	0	0	0	0	0	0	0	292	46
06:00	2	555	194	2	58	3	0	3	1	0	0	0	0	818	67
07:00	0	803	234	5	50	1	0	4	0	0	0	0	0	1097	60
08:00	1	602	192	7	36	5	0	3	4	0	0	0	0	850	55
09:00	1	368	112	4	26	4	0	0	4	0	0	0	0	519	38
10:00	1	258	72	2	27	4	0	4	3	0	0	0	0	371	40
11:00	2	235	96	6	17	3	0	1	2	0	0	0	0	362	29
12 PM	1	234	92	1	33	2	0	4	4	0	0	0	0	371	44
13:00	4	229	90	4	19	1	1	1	7	0	0	0	0	356	33
14:00	1	255	101	2	24	3	0	1	4	0	0	0	0	391	34
15:00	2	281	110	2	17	2	2	2	1	0	0	0	0	419	26
16:00	2	282	93	1	21	1	0	3	0	0	0	0	0	403	26
17:00	3	312	104	0	24	1	0	3	0	0	0	0	0	447	28
18:00	2	260	82	0	18	0	0	0	0	0	0	0	0	362	18
19:00	3	195	56	2	10	1	0	0	1	0	0	0	0	268	14
20:00	0	135	40	0	9	1	0	0	0	0	0	0	0	185	10
21:00	0	124	28	0	6	0	0	0	0	0	0	0	0	158	6
22:00	0	93	31	0	5	0	0	1	0	0	0	0	0	130	6
23:00	0	57	12	1	4	0	0	0	0	0	0	0	0	74	5
Total	26	5535	1872	39	463	34	3	30	31	0	0	0	0	8033	600
Percent	0.3%	68.9%	23.3%	0.5%	5.8%	0.4%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		7.5%
AM Peak	06:00	07:00	07:00	08:00	06:00	08:00		07:00	08:00					07:00	06:00
Vol.	2	803	234	7	58	5		4	4					1097	67
PM Peak	13:00	17:00	15:00	13:00	12:00	14:00	15:00	12:00	13:00					17:00	12:00
Vol.	4	312	110	4	33	3	2	4	7					447	44

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/13/09	0	19	12	0	1	0	0	1	0	0	0	0	0	33	2
01:00	0	6	3	0	1	0	0	0	0	0	0	0	0	10	1
02:00	0	13	4	0	3	0	0	0	1	0	0	0	0	21	4
03:00	0	23	8	0	3	0	0	0	0	0	0	0	0	34	3
04:00	0	36	23	0	11	0	0	0	0	0	0	0	0	70	11
05:00	3	153	79	0	38	1	0	0	1	0	0	0	0	275	40
06:00	6	564	203	2	58	3	0	5	1	0	0	0	0	842	69
07:00	4	769	225	5	42	3	0	6	1	0	0	0	0	1055	57
08:00	2	630	185	2	33	1	0	5	16	0	0	0	0	874	57
09:00	3	361	127	5	26	3	1	2	4	0	0	0	0	532	41
10:00	1	242	93	4	25	4	0	3	7	0	0	0	0	379	43
11:00	1	283	98	9	26	2	0	3	0	0	0	0	0	422	40
12 PM	3	236	106	0	25	3	0	1	5	0	0	0	0	379	34
13:00	3	235	73	9	24	0	1	2	5	0	0	0	0	352	41
14:00	4	292	109	3	27	2	0	2	7	0	0	0	0	446	41
15:00	2	265	97	2	18	3	0	1	2	0	0	0	0	390	26
16:00	4	253	116	1	24	2	0	5	1	0	0	0	0	406	33
17:00	8	347	114	2	26	0	0	0	1	0	0	0	0	498	29
18:00	5	279	79	1	19	1	0	0	0	0	0	0	0	384	21
19:00	7	189	57	0	20	1	0	0	0	0	0	0	0	274	21
20:00	2	186	39	0	11	0	0	0	0	0	0	0	0	238	11
21:00	0	112	39	0	4	0	0	0	0	0	0	0	0	155	4
22:00	0	107	28	0	6	0	0	0	1	0	0	0	0	142	7
23:00	1	53	9	0	2	0	0	0	0	0	0	0	0	65	2
Total	59	5653	1926	45	473	29	2	36	53	0	0	0	0	8276	638
Percent	0.7%	68.3%	23.3%	0.5%	5.7%	0.4%	0.0%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%		7.7%
AM Peak	06:00	07:00	07:00	11:00	06:00	10:00	09:00	07:00	08:00					07:00	06:00
Vol.	6	769	225	9	58	4	1	6	16					1055	69
PM Peak	17:00	17:00	16:00	13:00	14:00	12:00	13:00	16:00	14:00					17:00	13:00
Vol.	8	347	116	9	27	3	1	5	7					498	41
Grand Total	85	11188	3798	84	936	63	5	66	84	0	0	0	0	16309	1238
Percent	0.5%	68.6%	23.3%	0.5%	5.7%	0.4%	0.0%	0.4%	0.5%	0.0%	0.0%	0.0%	0.0%		7.6%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
	05/12/09	0	41	12	1	2	0	0	0	1	0	0	0	0	57	4
	01:00	0	23	7	0	0	0	0	0	0	0	0	0	0	30	0
	02:00	0	14	3	0	0	0	0	0	1	0	0	0	0	18	1
	03:00	0	15	5	0	1	0	0	0	0	0	0	0	0	21	1
	04:00	0	19	4	0	3	0	0	0	1	0	0	0	0	27	4
	05:00	1	40	20	0	5	0	0	0	0	0	0	0	0	66	5
	06:00	0	128	46	1	7	0	0	1	2	0	0	0	0	185	11
	07:00	0	205	51	1	17	3	0	2	1	0	0	0	0	280	24
	08:00	0	216	90	7	21	1	1	1	1	0	0	0	0	338	32
	09:00	0	155	65	5	20	4	0	0	5	0	0	0	0	254	34
	10:00	0	189	71	1	26	4	1	2	4	0	0	0	0	298	38
	11:00	0	214	92	2	22	2	0	0	6	0	0	0	0	338	32
	12 PM	1	248	100	4	23	1	0	3	3	0	0	0	0	383	34
	13:00	0	262	111	1	21	3	0	2	1	0	0	0	0	401	28
	14:00	1	331	138	6	29	3	0	2	3	0	0	0	0	513	43
	15:00	1	451	183	12	41	2	0	3	3	0	0	0	0	696	61
	16:00	0	601	213	2	45	2	0	1	2	0	0	0	0	866	52
	17:00	1	697	183	0	42	6	1	3	0	0	0	0	0	933	52
	18:00	1	537	162	1	22	3	0	0	1	0	0	0	0	727	27
	19:00	0	359	110	1	22	1	0	2	1	0	0	0	0	496	27
	20:00	0	213	44	0	10	0	0	1	0	1	0	0	0	269	12
	21:00	1	201	53	1	8	1	0	1	0	0	0	0	0	266	11
	22:00	0	107	20	0	6	0	0	0	0	0	0	0	0	133	6
	23:00	0	87	28	0	5	0	0	0	0	0	0	0	0	120	5
	Total	7	5353	1811	46	398	36	3	24	36	1	0	0	0	7715	544
	Percent	0.1%	69.4%	23.5%	0.6%	5.2%	0.5%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%		7.1%
	AM Peak	05:00	08:00	11:00	08:00	10:00	09:00	08:00	07:00	11:00					08:00	10:00
	Vol.	1	216	92	7	26	4	1	2	6					338	38
	PM Peak	12:00	17:00	16:00	15:00	16:00	17:00	17:00	12:00	12:00	20:00				17:00	15:00
	Vol.	1	697	213	12	45	6	1	3	3	1				933	61

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
	05/13/09	0	52	16	1	3	0	0	0	0	0	0	0	0	72	4
	01:00	0	31	4	0	0	0	0	0	1	0	0	0	0	36	1
	02:00	0	12	6	0	1	0	0	0	0	0	0	0	0	19	1
	03:00	0	8	2	1	1	0	0	0	1	0	0	0	0	13	3
	04:00	0	20	4	0	1	0	0	0	0	0	0	0	0	25	1
	05:00	0	37	16	1	7	0	0	0	0	0	0	0	0	61	8
	06:00	1	106	52	1	8	0	1	1	0	0	0	0	0	170	11
	07:00	0	217	73	0	19	4	0	0	5	0	0	0	0	318	28
	08:00	2	189	78	9	20	2	0	1	5	0	0	0	0	306	37
	09:00	0	191	78	2	19	1	0	2	6	0	0	0	0	299	30
	10:00	1	184	86	2	29	4	0	1	6	0	0	0	0	313	42
	11:00	1	243	90	1	26	2	0	1	3	0	0	0	0	367	33
	12 PM	1	268	120	2	25	3	0	3	7	0	0	0	0	429	40
	13:00	0	310	125	1	25	2	0	1	3	0	0	0	0	467	32
	14:00	0	340	145	3	24	0	0	2	5	0	0	0	0	519	34
	15:00	0	468	175	7	32	2	0	2	1	0	0	0	0	687	44
	16:00	1	634	204	2	46	4	0	2	6	0	0	0	0	899	60
	17:00	1	642	184	0	43	1	0	2	1	0	0	0	0	874	47
	18:00	2	545	149	1	28	3	0	4	0	0	0	0	0	732	36
	19:00	0	359	102	0	20	0	0	1	0	0	0	0	0	482	21
	20:00	0	292	78	0	14	2	0	1	0	0	0	0	0	387	17
	21:00	0	203	31	1	10	0	0	2	0	0	0	0	0	247	13
	22:00	0	113	31	1	5	0	0	0	0	0	0	0	0	150	6
	23:00	0	92	25	0	5	0	0	0	0	0	0	0	0	122	5
	Total	10	5556	1874	36	411	30	1	26	50	0	0	0	0	7994	554
	Percent	0.1%	69.5%	23.4%	0.5%	5.1%	0.4%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%		6.9%
	AM Peak	08:00	11:00	11:00	08:00	10:00	07:00	06:00	09:00	09:00					11:00	10:00
	Vol.	2	243	90	9	29	4	1	2	6					367	42
	PM Peak	18:00	17:00	16:00	15:00	16:00	16:00		18:00	12:00					16:00	16:00
	Vol.	2	642	204	7	46	4		4	7					899	60
	Grand Total	17	10909	3685	82	809	66	4	50	86	1	0	0	0	15709	1098
	Percent	0.1%	69.4%	23.5%	0.5%	5.1%	0.4%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%		7.0%

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Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/12/09	0	67	21	1	4	0	0	0	1	0	0	0	0	94	6
01:00	0	34	12	0	1	0	0	0	0	0	0	0	0	47	1
02:00	0	27	7	0	2	0	0	0	1	0	0	0	0	37	3
03:00	0	31	13	0	4	0	0	0	0	0	0	0	0	48	4
04:00	0	47	29	0	10	0	0	0	1	0	0	0	0	87	11
05:00	2	203	102	0	49	2	0	0	0	0	0	0	0	358	51
06:00	2	683	240	3	65	3	0	4	3	0	0	0	0	1003	78
07:00	0	1008	285	6	67	4	0	6	1	0	0	0	0	1377	84
08:00	1	818	282	14	57	6	1	4	5	0	0	0	0	1188	87
09:00	1	523	177	9	46	8	0	0	9	0	0	0	0	773	72
10:00	1	447	143	3	53	8	1	6	7	0	0	0	0	669	78
11:00	2	449	188	8	39	5	0	1	8	0	0	0	0	700	61
12 PM	2	482	192	5	56	3	0	7	7	0	0	0	0	754	78
13:00	4	491	201	5	40	4	1	3	8	0	0	0	0	757	61
14:00	2	586	239	8	53	6	0	3	7	0	0	0	0	904	77
15:00	3	732	293	14	58	4	2	5	4	0	0	0	0	1115	87
16:00	2	883	306	3	66	3	0	4	2	0	0	0	0	1269	78
17:00	4	1009	287	0	66	7	1	6	0	0	0	0	0	1380	80
18:00	3	797	244	1	40	3	0	0	1	0	0	0	0	1089	45
19:00	3	554	166	3	32	2	0	2	2	0	0	0	0	764	41
20:00	0	348	84	0	19	1	0	1	0	1	0	0	0	454	22
21:00	1	325	81	1	14	1	0	1	0	0	0	0	0	424	17
22:00	0	200	51	0	11	0	0	1	0	0	0	0	0	263	12
23:00	0	144	40	1	9	0	0	0	0	0	0	0	0	194	10
Total	33	10888	3683	85	861	70	6	54	67	1	0	0	0	15748	1144
Percent	0.2%	69.1%	23.4%	0.5%	5.5%	0.4%	0.0%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%		7.3%
AM Peak	05:00	07:00	07:00	08:00	07:00	09:00	08:00	07:00	09:00					07:00	08:00
Vol.	2	1008	285	14	67	8	1	6	9					1377	87
PM Peak	13:00	17:00	16:00	15:00	16:00	17:00	15:00	12:00	13:00	20:00				17:00	15:00
Vol.	4	1009	306	14	66	7	2	7	8	1				1380	87

Old Colony Planning Council
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Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Randolph St (139), at Weymouth T/L

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
05/13/09	0	71	28	1	4	0	0	1	0	0	0	0	0	105	6
01:00	0	37	7	0	1	0	0	0	1	0	0	0	0	46	2
02:00	0	25	10	0	4	0	0	0	1	0	0	0	0	40	5
03:00	0	31	10	1	4	0	0	0	1	0	0	0	0	47	6
04:00	0	56	27	0	12	0	0	0	0	0	0	0	0	95	12
05:00	3	190	95	1	45	1	0	0	1	0	0	0	0	336	48
06:00	7	670	255	3	66	3	1	6	1	0	0	0	0	1012	80
07:00	4	986	298	5	61	7	0	6	6	0	0	0	0	1373	85
08:00	4	819	263	11	53	3	0	6	21	0	0	0	0	1180	94
09:00	3	552	205	7	45	4	1	4	10	0	0	0	0	831	71
10:00	2	426	179	6	54	8	0	4	13	0	0	0	0	692	85
11:00	2	526	188	10	52	4	0	4	3	0	0	0	0	789	73
12 PM	4	504	226	2	50	6	0	4	12	0	0	0	0	808	74
13:00	3	545	198	10	49	2	1	3	8	0	0	0	0	819	73
14:00	4	632	254	6	51	2	0	4	12	0	0	0	0	965	75
15:00	2	733	272	9	50	5	0	3	3	0	0	0	0	1077	70
16:00	5	887	320	3	70	6	0	7	7	0	0	0	0	1305	93
17:00	9	989	298	2	69	1	0	2	2	0	0	0	0	1372	76
18:00	7	824	228	2	47	4	0	4	0	0	0	0	0	1116	57
19:00	7	548	159	0	40	1	0	1	0	0	0	0	0	756	42
20:00	2	478	117	0	25	2	0	1	0	0	0	0	0	625	28
21:00	0	315	70	1	14	0	0	2	0	0	0	0	0	402	17
22:00	0	220	59	1	11	0	0	0	1	0	0	0	0	292	13
23:00	1	145	34	0	7	0	0	0	0	0	0	0	0	187	7
Total	69	11209	3800	81	884	59	3	62	103	0	0	0	0	16270	1192
Percent	0.4%	68.9%	23.4%	0.5%	5.4%	0.4%	0.0%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%		7.3%
AM Peak	06:00	07:00	07:00	08:00	06:00	10:00	06:00	06:00	08:00					07:00	08:00
Vol.	7	986	298	11	66	8	1	6	21					1373	94
PM Peak	17:00	17:00	16:00	13:00	16:00	12:00	13:00	16:00	12:00					17:00	16:00
Vol.	9	989	320	10	70	6	1	7	12					1372	93
Grand Total	102	22097	7483	166	1745	129	9	116	170	1	0	0	0	32018	2336
Percent	0.3%	69.0%	23.4%	0.5%	5.5%	0.4%	0.0%	0.4%	0.5%	0.0%	0.0%	0.0%	0.0%		7.3%

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	13-Aug-07		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	*	*	65	38	64	43	*	*	*	*	*	*	*	*	64	40
01:00	*	*	27	18	32	26	*	*	*	*	*	*	*	*	30	22
02:00	*	*	19	14	25	16	*	*	*	*	*	*	*	*	22	15
03:00	*	*	19	24	20	20	*	*	*	*	*	*	*	*	20	22
04:00	*	*	22	59	19	54	*	*	*	*	*	*	*	*	20	56
05:00	*	*	76	208	64	210	*	*	*	*	*	*	*	*	70	209
06:00	*	*	216	615	216	595	*	*	*	*	*	*	*	*	216	605
07:00	*	*	336	861	333	883	*	*	*	*	*	*	*	*	334	872
08:00	*	*	393	793	386	746	*	*	*	*	*	*	*	*	390	770
09:00	*	*	365	472	351	486	*	*	*	*	*	*	*	*	358	479
10:00	*	*	331	384	348	422	*	*	*	*	*	*	*	*	340	403
11:00	*	*	420	349	347	425	*	*	*	*	*	*	*	*	384	387
12:00 PM	*	*	389	415	423	398	*	*	*	*	*	*	*	*	406	406
01:00	*	*	388	384	423	429	*	*	*	*	*	*	*	*	406	406
02:00	*	*	492	452	503	446	*	*	*	*	*	*	*	*	498	449
03:00	*	*	630	468	588	477	*	*	*	*	*	*	*	*	609	472
04:00	*	*	781	526	812	539	*	*	*	*	*	*	*	*	796	532
05:00	*	*	778	508	858	561	*	*	*	*	*	*	*	*	818	534
06:00	*	*	660	477	735	443	*	*	*	*	*	*	*	*	698	460
07:00	*	*	525	380	526	364	*	*	*	*	*	*	*	*	526	372
08:00	*	*	358	291	359	283	*	*	*	*	*	*	*	*	358	287
09:00	*	*	248	238	260	261	*	*	*	*	*	*	*	*	254	250
10:00	*	*	190	185	196	186	*	*	*	*	*	*	*	*	193	186
11:00	*	*	114	109	119	102	*	*	*	*	*	*	*	*	116	106
Total Day	0	0	7842	8268	8007	8415	0	0	0	0	0	0	0	0	7926	8340
AM Peak Vol.	0	0	16110		16422		0	0	0	0	0	0	0	0	16266	
PM Peak Vol.			11:00	07:00	08:00	07:00									08:00	07:00
AM Peak			420	861	386	883									390	872
PM Peak			16:00	16:00	17:00	17:00									17:00	17:00
PM Peak Vol.			781	526	858	561									818	534

Comb. Total 0 16110 16422 0 0 0 0 16266

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	13-Aug-07 Mon	14-Aug-07 Tue	15-Aug-07 Wed	16-Aug-07 Thu	17-Aug-07 Fri	18-Aug-07 Sat	19-Aug-07 Sun	Week Average
12:00 AM	*	103	107	*	*	*	*	105
01:00	*	45	58	*	*	*	*	52
02:00	*	33	41	*	*	*	*	37
03:00	*	43	40	*	*	*	*	42
04:00	*	81	73	*	*	*	*	77
05:00	*	284	274	*	*	*	*	279
06:00	*	831	811	*	*	*	*	821
07:00	*	1197	1216	*	*	*	*	1206
08:00	*	1186	1132	*	*	*	*	1159
09:00	*	837	837	*	*	*	*	837
10:00	*	715	770	*	*	*	*	742
11:00	*	769	772	*	*	*	*	770
12:00 PM	*	804	821	*	*	*	*	812
01:00	*	772	852	*	*	*	*	812
02:00	*	944	949	*	*	*	*	946
03:00	*	1098	1065	*	*	*	*	1082
04:00	*	1307	1351	*	*	*	*	1329
05:00	*	1286	1419	*	*	*	*	1352
06:00	*	1137	1178	*	*	*	*	1158
07:00	*	905	890	*	*	*	*	898
08:00	*	649	642	*	*	*	*	646
09:00	*	486	521	*	*	*	*	504
10:00	*	375	382	*	*	*	*	378
11:00	*	223	221	*	*	*	*	222
Total	0	16110	16422	0	0	0	0	16266
Percentage	0.0%	99.0%	101.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		1197	1216					1206
PM Peak		16:00	17:00					17:00
Vol.		1307	1419					1352

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	0	0	0	0	0	10	30	13	9	2	1	0	0	0	65
01:00	0	0	0	0	0	5	15	6	1	0	0	0	0	0	27
02:00	0	0	0	0	0	2	5	7	5	0	0	0	0	0	19
03:00	0	0	0	0	0	4	8	5	2	0	0	0	0	0	19
04:00	1	0	0	0	1	3	9	0	7	1	0	0	0	0	22
05:00	1	0	0	1	1	12	23	23	12	3	0	0	0	0	76
06:00	9	0	0	1	4	40	105	39	15	3	0	0	0	0	216
07:00	30	0	1	0	3	45	141	103	11	1	1	0	0	0	336
08:00	31	0	0	0	6	42	175	120	17	2	0	0	0	0	393
09:00	15	0	0	0	3	56	178	103	9	1	0	0	0	0	365
10:00	13	0	1	1	9	63	153	70	17	4	0	0	0	0	331
11:00	16	0	0	1	6	82	212	93	10	0	0	0	0	0	420
12 PM	14	0	0	1	13	75	199	73	12	1	1	0	0	0	389
13:00	18	2	2	2	7	75	210	64	7	1	0	0	0	0	388
14:00	12	0	0	0	11	96	273	88	11	1	0	0	0	0	492
15:00	18	2	0	3	5	110	357	118	16	1	0	0	0	0	630
16:00	32	0	2	8	17	199	436	84	3	0	0	0	0	0	781
17:00	37	3	1	0	10	207	399	109	9	3	0	0	0	0	778
18:00	22	0	0	0	10	192	340	86	10	0	0	0	0	0	660
19:00	15	0	4	0	32	158	243	62	9	1	1	0	0	0	525
20:00	7	1	0	3	14	111	175	44	3	0	0	0	0	0	358
21:00	2	0	0	1	6	49	126	56	5	1	1	0	0	1	248
22:00	2	1	0	1	4	32	91	41	13	5	0	0	0	0	190
23:00	1	0	0	0	2	10	66	28	6	1	0	0	0	0	114
Total	296	9	11	23	164	1678	3969	1435	219	32	5	0	0	1	7842

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
08/15/07	1	1	0	0	0	0	0	2	3	39	15	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
01:00	0	0	0	0	0	0	0	1	5	12	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
02:00	0	0	0	0	0	0	0	2	2	11	3	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	25
03:00	0	0	0	0	0	0	0	0	2	8	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20	
04:00	0	0	0	0	1	1	0	1	4	7	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
05:00	1	0	0	0	0	0	0	1	11	27	15	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
06:00	10	0	0	0	1	3	26	101	62	10	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	216
07:00	24	0	1	1	7	65	154	71	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	333
08:00	30	0	0	0	6	62	192	79	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	386
09:00	14	0	0	0	6	85	158	68	18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	351
10:00	12	0	4	3	3	63	176	73	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	348
11:00	15	0	0	0	3	61	191	66	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347
12 PM	20	1	0	2	16	84	220	69	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	423
13:00	14	2	0	2	8	71	224	90	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	423
14:00	16	2	0	0	11	78	273	106	14	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	503
15:00	17	1	0	1	2	82	333	130	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	588
16:00	40	0	0	0	20	166	445	131	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	812
17:00	47	0	2	0	15	148	485	149	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	858
18:00	26	1	0	0	26	188	388	98	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	735
19:00	20	0	2	2	18	125	253	89	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	526
20:00	7	0	1	0	20	96	168	62	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	359
21:00	4	0	0	1	3	59	123	58	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260
22:00	5	0	0	0	5	36	117	24	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	196
23:00	0	0	0	0	1	14	53	36	14	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119
Total	323	8	10	14	180	1532	4155	1517	239	22	5	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	8007
Grand Total	619	17	21	37	344	3210	8124	2952	458	54	10	1	0	2	15849													

15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

Stats
 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 11334
 Percent in Pace : 71.5%
 Number of Vehicles > 40 MPH : 11601
 Percent of Vehicles > 40 MPH : 73.2%

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	0	0	0	0	4	14	15	5	0	0	0	0	0	0	38
01:00	0	0	0	0	2	8	4	3	1	0	0	0	0	0	18
02:00	0	0	0	0	2	7	2	3	0	0	0	0	0	0	14
03:00	1	0	0	1	4	7	10	1	0	0	0	0	0	0	24
04:00	1	1	1	2	3	21	19	7	3	0	1	0	0	0	59
05:00	2	0	0	0	5	47	103	44	4	3	0	0	0	0	208
06:00	17	1	0	0	17	232	299	44	4	1	0	0	0	0	615
07:00	25	1	6	7	132	473	200	16	1	0	0	0	0	0	861
08:00	46	0	1	6	61	368	280	26	5	0	0	0	0	0	793
09:00	26	0	0	0	34	168	208	35	0	0	0	1	0	0	472
10:00	23	1	0	1	23	162	157	15	2	0	0	0	0	0	384
11:00	15	0	1	2	34	151	123	22	1	0	0	0	0	0	349
12 PM	27	0	2	2	36	193	128	25	2	0	0	0	0	0	415
13:00	22	0	0	2	45	155	137	21	2	0	0	0	0	0	384
14:00	36	0	2	2	35	192	164	20	1	0	0	0	0	0	452
15:00	30	0	0	5	49	201	155	23	5	0	0	0	0	0	468
16:00	51	0	16	2	52	204	181	19	1	0	0	0	0	0	526
17:00	61	0	0	1	34	181	191	38	2	0	0	0	0	0	508
18:00	26	0	1	3	47	199	168	28	4	1	0	0	0	0	477
19:00	24	1	1	1	44	147	141	21	0	0	0	0	0	0	380
20:00	12	0	1	1	27	134	103	11	1	0	1	0	0	0	291
21:00	7	0	0	3	42	124	51	11	0	0	0	0	0	0	238
22:00	1	0	1	1	28	80	62	10	2	0	0	0	0	0	185
23:00	1	0	1	2	17	36	40	11	1	0	0	0	0	0	109
Total	454	5	34	44	777	3504	2941	459	42	5	2	1	0	0	8268

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/15/07	0	0	0	1	9	17	12	2	1	1	0	0	0	0	43
01:00	0	0	0	1	1	10	12	1	1	0	0	0	0	0	26
02:00	0	0	0	0	3	5	7	1	0	0	0	0	0	0	16
03:00	0	0	0	1	1	6	9	2	1	0	0	0	0	0	20
04:00	0	1	1	0	6	15	23	5	3	0	0	0	0	0	54
05:00	2	1	0	0	11	57	102	31	4	0	1	1	0	0	210
06:00	20	0	0	1	41	247	230	46	8	2	0	0	0	0	595
07:00	36	0	1	5	101	442	266	31	1	0	0	0	0	0	883
08:00	29	0	0	3	58	340	282	31	3	0	0	0	0	0	746
09:00	25	0	0	4	41	171	217	25	3	0	0	0	0	0	486
10:00	21	1	0	10	64	155	144	22	5	0	0	0	0	0	422
11:00	17	1	0	2	45	188	140	29	1	2	0	0	0	0	425
12 PM	23	0	1	2	54	161	134	20	3	0	0	0	0	0	398
13:00	23	0	1	4	66	154	153	26	2	0	0	0	0	0	429
14:00	26	0	0	6	32	180	175	22	5	0	0	0	0	0	446
15:00	44	1	0	2	32	220	141	35	2	0	0	0	0	0	477
16:00	54	0	1	3	56	256	145	20	3	1	0	0	0	0	539
17:00	70	0	0	1	49	258	155	27	1	0	0	0	0	0	561
18:00	39	0	2	8	37	182	146	22	6	1	0	0	0	0	443
19:00	23	0	0	7	41	165	111	13	3	1	0	0	0	0	364
20:00	10	0	0	8	39	151	67	7	1	0	0	0	0	0	283
21:00	9	0	0	3	68	126	47	8	0	0	0	0	0	0	261
22:00	9	0	2	1	28	91	42	10	3	0	0	0	0	0	186
23:00	0	0	0	0	14	48	33	6	1	0	0	0	0	0	102
Total	480	5	9	73	897	3645	2793	442	61	8	1	1	0	0	8415
Grand Total	934	10	43	117	1674	7149	5734	901	103	13	3	2	0	0	16683

15th Percentile : 35 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

Stats
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 12883
 Percent in Pace : 77.2%
 Number of Vehicles > 40 MPH : 6756
 Percent of Vehicles > 40 MPH : 40.5%

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	0	0	0	0	4	24	45	18	9	2	1	0	0	0	103
01:00	0	0	0	0	2	13	19	9	2	0	0	0	0	0	45
02:00	0	0	0	0	2	9	7	10	5	0	0	0	0	0	33
03:00	1	0	0	1	4	11	18	6	2	0	0	0	0	0	43
04:00	2	1	1	2	4	24	28	7	10	1	1	0	0	0	81
05:00	3	0	0	1	6	59	126	67	16	6	0	0	0	0	284
06:00	26	1	0	1	21	272	404	83	19	4	0	0	0	0	831
07:00	55	1	7	7	135	518	341	119	12	1	1	0	0	0	1197
08:00	77	0	1	6	67	410	455	146	22	2	0	0	0	0	1186
09:00	41	0	0	0	37	224	386	138	9	1	0	1	0	0	837
10:00	36	1	1	2	32	225	310	85	19	4	0	0	0	0	715
11:00	31	0	1	3	40	233	335	115	11	0	0	0	0	0	769
12 PM	41	0	2	3	49	268	327	98	14	1	1	0	0	0	804
13:00	40	2	2	4	52	230	347	85	9	1	0	0	0	0	772
14:00	48	0	2	2	46	288	437	108	12	1	0	0	0	0	944
15:00	48	2	0	8	54	311	512	141	21	1	0	0	0	0	1098
16:00	83	0	18	10	69	403	617	103	4	0	0	0	0	0	1307
17:00	98	3	1	1	44	388	590	147	11	3	0	0	0	0	1286
18:00	48	0	1	3	57	391	508	114	14	1	0	0	0	0	1137
19:00	39	1	5	1	76	305	384	83	9	1	1	0	0	0	905
20:00	19	1	1	4	41	245	278	55	4	0	1	0	0	0	649
21:00	9	0	0	4	48	173	177	67	5	1	1	0	0	1	486
22:00	3	1	1	2	32	112	153	51	15	5	0	0	0	0	375
23:00	2	0	1	2	19	46	106	39	7	1	0	0	0	0	223
Total	750	14	45	67	941	5182	6910	1894	261	37	7	1	0	1	16110

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 Randolph St, west of Lincoln St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/15/07	1	1	0	1	11	20	51	17	3	2	0	0	0	0	107
01:00	0	0	0	1	2	15	24	9	6	1	0	0	0	0	58
02:00	0	0	0	0	5	7	18	4	6	0	1	0	0	0	41
03:00	0	0	0	1	1	8	17	10	2	0	0	0	0	1	40
04:00	0	1	1	1	7	15	27	12	7	2	0	0	0	0	73
05:00	3	1	0	0	12	68	129	46	10	3	1	1	0	0	274
06:00	30	0	0	2	44	273	331	108	18	4	1	0	0	0	811
07:00	60	0	2	6	108	507	420	102	10	0	1	0	0	0	1216
08:00	59	0	0	3	64	402	474	110	17	3	0	0	0	0	1132
09:00	39	0	0	4	47	256	375	93	21	2	0	0	0	0	837
10:00	33	1	4	13	67	218	320	95	18	1	0	0	0	0	770
11:00	32	1	0	2	48	249	331	95	12	2	0	0	0	0	772
12 PM	43	1	1	4	70	245	354	89	13	0	0	1	0	0	821
13:00	37	2	1	6	74	225	377	116	13	1	0	0	0	0	852
14:00	42	2	0	6	43	258	448	128	19	3	0	0	0	0	949
15:00	61	2	0	3	34	302	474	165	24	0	0	0	0	0	1065
16:00	94	0	1	3	76	422	590	151	13	1	0	0	0	0	1351
17:00	117	0	2	1	64	406	640	176	11	1	1	0	0	0	1419
18:00	65	1	2	8	63	370	534	120	13	2	0	0	0	0	1178
19:00	43	0	2	9	59	290	364	102	20	1	0	0	0	0	890
20:00	17	0	1	8	59	247	235	69	6	0	0	0	0	0	642
21:00	13	0	0	4	71	185	170	66	11	1	0	0	0	0	521
22:00	14	0	2	1	33	127	159	34	12	0	0	0	0	0	382
23:00	0	0	0	0	15	62	86	42	15	0	1	0	0	0	221
Total	803	13	19	87	1077	5177	6948	1959	300	30	6	2	0	1	16422
Grand Total	1553	27	64	154	2018	10359	13858	3853	561	67	13	3	0	2	32532

15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

Stats
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 24217
 Percent in Pace : 74.4%
 Number of Vehicles > 40 MPH : 18357
 Percent of Vehicles > 40 MPH : 56.4%

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

Randolph St, west of Lincoln St

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
08/14/07	2	42	14	1	5	0	0	1	0	0	0	0	0	65
01:00	0	19	5	0	3	0	0	0	0	0	0	0	0	27
02:00	1	12	3	1	2	0	0	0	0	0	0	0	0	19
03:00	0	13	3	0	3	0	0	0	0	0	0	0	0	19
04:00	0	13	4	0	5	0	0	0	0	0	0	0	0	22
05:00	2	40	24	0	10	0	0	0	0	0	0	0	0	76
06:00	3	128	58	3	15	2	0	5	1	0	0	0	0	215
07:00	0	204	99	3	25	2	0	2	0	0	0	0	0	335
08:00	2	252	101	3	29	4	0	0	1	0	0	0	0	392
09:00	1	218	112	9	20	2	0	2	0	0	0	0	0	364
10:00	2	195	96	7	22	4	0	4	1	0	0	0	0	331
11:00	1	267	103	8	26	5	0	8	1	0	0	0	0	419
12 PM	4	253	93	2	27	2	0	5	3	0	0	0	0	389
13:00	2	240	113	4	19	2	0	6	1	0	0	0	0	387
14:00	3	305	138	3	34	2	0	4	3	0	0	0	0	492
15:00	4	380	197	3	40	1	0	3	1	0	0	0	0	629
16:00	9	485	212	4	59	7	0	4	0	0	0	0	0	780
17:00	9	531	186	5	39	5	0	3	0	0	0	0	0	778
18:00	4	448	166	2	35	1	0	3	0	0	0	0	0	659
19:00	8	364	124	0	21	1	0	6	0	0	0	0	0	524
20:00	5	251	84	2	14	1	0	0	1	0	0	0	0	358
21:00	4	157	69	1	14	0	0	1	1	0	0	0	0	247
22:00	2	136	42	0	9	0	0	0	0	0	0	0	0	189
23:00	1	84	26	0	1	0	0	0	1	0	0	1	0	114
Total	69	5037	2072	61	477	41	0	57	15	0	0	1	0	7830
Percent	0.9%	64.3%	26.5%	0.8%	6.1%	0.5%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	11:00	09:00	09:00	08:00	11:00		11:00	06:00					11:00
Vol.	3	267	112	9	29	5		8	1					419
PM Peak	16:00	17:00	16:00	17:00	16:00	16:00		13:00	12:00			23:00		16:00
Vol.	9	531	212	5	59	7		6	3			1		780

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

Randolph St, west of Lincoln St

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
08/15/07	0	46	12	0	5	0	0	1	0	0	0	0	0	64
01:00	0	19	10	0	3	0	0	0	0	0	0	0	0	32
02:00	0	17	6	0	2	0	0	0	0	0	0	0	0	25
03:00	0	15	3	0	1	0	0	0	1	0	0	0	0	20
04:00	0	13	4	0	2	0	0	0	0	0	0	0	0	19
05:00	0	40	19	0	4	1	0	0	0	0	0	0	0	64
06:00	1	121	59	3	22	3	0	6	0	0	0	0	0	215
07:00	4	215	76	4	24	9	0	0	1	0	0	0	0	333
08:00	3	258	87	3	28	1	0	3	2	0	0	0	0	385
09:00	2	199	104	4	31	5	0	4	2	0	0	0	0	351
10:00	0	205	111	3	24	3	0	1	1	0	0	0	0	348
11:00	0	211	98	2	23	7	0	5	1	0	0	0	0	347
12 PM	2	254	127	5	28	4	0	2	1	0	0	0	0	423
13:00	3	264	105	7	25	9	0	6	4	0	0	0	0	423
14:00	3	302	139	4	38	7	0	7	3	0	0	0	0	503
15:00	5	353	163	4	54	2	0	1	6	0	0	0	0	588
16:00	5	527	221	3	45	2	0	6	1	0	0	0	0	810
17:00	8	584	220	2	35	5	0	2	0	0	0	0	0	856
18:00	6	485	184	5	45	2	0	7	0	0	0	0	0	734
19:00	6	370	115	1	26	4	0	3	0	0	0	0	0	525
20:00	0	245	99	0	14	0	0	1	0	0	0	0	0	359
21:00	4	178	65	2	9	0	0	1	0	0	0	0	0	259
22:00	1	146	40	0	6	1	0	1	0	0	0	0	0	195
23:00	1	90	18	0	8	0	0	1	0	0	0	1	0	119
Total	54	5157	2085	52	502	65	0	58	23	0	0	1	0	7997
Percent	0.7%	64.5%	26.1%	0.7%	6.3%	0.8%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	10:00	07:00	09:00	07:00		06:00	08:00					08:00
Vol.	4	258	111	4	31	9		6	2					385
PM Peak	17:00	17:00	16:00	13:00	15:00	13:00		14:00	15:00			23:00		17:00
Vol.	8	584	221	7	54	9		7	6			1		856
Grand Total	123	10194	4157	113	979	106	0	115	38	0	0	2	0	15827
Percent		64.4%	26.3%	0.7%	6.2%	0.7%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
HV Total				113	979	106	0	115	38	0	0	2	0	

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic

Station ID:
 Site Code: 1

Date Start: 14-Aug-07
 Date End: 15-Aug-07

Start Time	Randolph St, west of Lincoln St													Total
	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	
08/14/07	0	32	6	0	0	0	0	0	0	0	0	0	0	38
01:00	0	11	5	0	2	0	0	0	0	0	0	0	0	18
02:00	0	10	2	0	1	0	0	1	0	0	0	0	0	14
03:00	0	17	5	0	2	0	0	0	0	0	0	0	0	24
04:00	0	36	19	0	3	0	0	0	1	0	0	0	0	59
05:00	1	124	67	0	13	1	0	1	0	0	0	0	0	207
06:00	3	397	170	4	33	3	0	3	2	0	0	0	0	615
07:00	8	666	147	4	24	4	0	5	2	0	0	0	0	860
08:00	3	606	139	5	24	6	0	7	2	0	0	0	0	792
09:00	2	332	97	6	20	1	0	10	3	0	0	0	0	471
10:00	1	269	82	4	21	4	0	2	0	0	0	0	0	383
11:00	4	256	63	3	18	0	0	4	0	0	0	0	0	348
12 PM	2	297	84	3	17	3	0	6	1	1	0	0	0	414
13:00	0	272	87	4	14	1	0	4	0	0	0	1	0	383
14:00	3	339	87	5	13	2	0	1	1	0	0	0	0	451
15:00	5	348	83	4	18	3	0	5	2	0	0	0	0	468
16:00	2	393	108	4	15	2	0	5	0	0	0	0	0	529
17:00	4	380	100	1	19	2	0	3	1	0	0	0	0	510
18:00	6	367	84	2	13	0	0	3	0	1	0	0	0	476
19:00	4	298	68	0	10	0	0	0	0	0	0	0	0	380
20:00	4	230	44	0	11	0	0	0	2	0	0	0	0	291
21:00	5	191	36	0	5	0	0	1	0	0	0	0	0	238
22:00	0	144	34	0	4	0	0	1	2	0	0	0	0	185
23:00	1	89	18	0	1	0	0	0	0	0	0	0	0	109
Total	58	6104	1635	49	301	32	0	62	19	2	0	1	0	8263
Percent	0.7%	73.9%	19.8%	0.6%	3.6%	0.4%	0.0%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	06:00	09:00	06:00	08:00		09:00	09:00					07:00
Vol.	8	666	170	6	33	6		10	3					860
PM Peak	18:00	16:00	16:00	14:00	17:00	12:00		12:00	15:00	12:00		13:00		16:00
Vol.	6	393	108	5	19	3		6	2	1		1		529

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

Randolph St, west of Lincoln St

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
08/15/07	0	36	7	0	0	0	0	0	0	0	0	0	0	43
01:00	1	21	2	0	2	0	0	0	0	0	0	0	0	26
02:00	0	11	3	0	1	0	0	0	1	0	0	0	0	16
03:00	0	17	2	0	1	0	0	0	0	0	0	0	0	20
04:00	0	33	15	1	4	0	0	0	1	0	0	0	0	54
05:00	2	122	70	0	11	1	0	0	3	0	0	0	0	209
06:00	6	376	175	2	31	1	0	2	1	0	0	0	0	594
07:00	7	677	157	8	21	5	0	4	2	1	0	0	0	882
08:00	4	570	137	5	22	4	0	2	2	0	0	0	0	746
09:00	3	348	95	4	19	5	1	6	4	0	0	0	0	485
10:00	2	301	86	4	18	2	0	6	2	0	0	0	0	421
11:00	2	322	75	1	19	1	0	2	3	0	0	0	0	425
12 PM	2	277	89	5	13	2	0	6	3	0	0	0	0	397
13:00	6	310	88	4	7	8	0	3	2	0	0	0	0	428
14:00	3	318	93	1	19	2	0	4	4	0	0	1	0	445
15:00	2	352	94	6	18	2	0	1	0	0	0	0	0	475
16:00	6	389	119	4	14	6	0	2	2	0	0	0	0	542
17:00	4	438	94	2	16	2	0	5	1	0	0	0	0	562
18:00	5	336	83	2	12	0	0	4	0	0	0	0	0	442
19:00	5	303	48	0	6	0	0	1	0	0	0	0	0	363
20:00	2	240	37	0	2	1	0	1	0	0	0	0	0	283
21:00	4	205	41	0	5	0	0	3	2	0	0	0	0	260
22:00	0	150	29	0	5	0	0	1	0	0	0	0	0	185
23:00	1	87	13	0	1	0	0	0	0	0	0	0	0	102
Total	67	6239	1652	49	267	42	1	53	33	1	0	1	0	8405
Percent	0.8%	74.2%	19.7%	0.6%	3.2%	0.5%	0.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	06:00	07:00	06:00	07:00	09:00	09:00	09:00	07:00				07:00
Vol.	7	677	175	8	31	5	1	6	4	1				882
PM Peak	13:00	17:00	16:00	15:00	14:00	13:00		12:00	14:00			14:00		17:00
Vol.	6	438	119	6	19	8		6	4			1		562
Grand Total	125	12343	3287	98	568	74	1	115	52	3	0	2	0	16668
Percent		74.1%	19.7%	0.6%	3.4%	0.4%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
HV Total				98	568	74	1	115	52	3	0	2	0	

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

Randolph St, west of Lincoln St

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
08/14/07	2	74	20	1	5	0	0	1	0	0	0	0	0	103
01:00	0	30	10	0	5	0	0	0	0	0	0	0	0	45
02:00	1	22	5	1	3	0	0	1	0	0	0	0	0	33
03:00	0	30	8	0	5	0	0	0	0	0	0	0	0	43
04:00	0	49	23	0	8	0	0	0	1	0	0	0	0	81
05:00	3	164	91	0	23	1	0	1	0	0	0	0	0	283
06:00	6	525	228	7	48	5	0	8	3	0	0	0	0	830
07:00	8	870	246	7	49	6	0	7	2	0	0	0	0	1195
08:00	5	858	240	8	53	10	0	7	3	0	0	0	0	1184
09:00	3	550	209	15	40	3	0	12	3	0	0	0	0	835
10:00	3	464	178	11	43	8	0	6	1	0	0	0	0	714
11:00	5	523	166	11	44	5	0	12	1	0	0	0	0	767
12 PM	6	550	177	5	44	5	0	11	4	1	0	0	0	803
13:00	2	512	200	8	33	3	0	10	1	0	0	1	0	770
14:00	6	644	225	8	47	4	0	5	4	0	0	0	0	943
15:00	9	728	280	7	58	4	0	8	3	0	0	0	0	1097
16:00	11	878	320	8	74	9	0	9	0	0	0	0	0	1309
17:00	13	911	286	6	58	7	0	6	1	0	0	0	0	1288
18:00	10	815	250	4	48	1	0	6	0	1	0	0	0	1135
19:00	12	662	192	0	31	1	0	6	0	0	0	0	0	904
20:00	9	481	128	2	25	1	0	0	3	0	0	0	0	649
21:00	9	348	105	1	19	0	0	2	1	0	0	0	0	485
22:00	2	280	76	0	13	0	0	1	2	0	0	0	0	374
23:00	2	173	44	0	2	0	0	0	1	0	0	1	0	223
Total	127	11141	3707	110	778	73	0	119	34	2	0	2	0	16093
Percent	0.8%	69.2%	23.0%	0.7%	4.8%	0.5%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	09:00	08:00	08:00		09:00	06:00					07:00
Vol.	8	870	246	15	53	10		12	3					1195
PM Peak	17:00	17:00	16:00	13:00	16:00	16:00		12:00	12:00	12:00		13:00		16:00
Vol.	13	911	320	8	74	9		11	4	1		1		1309

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

Community: Abington
 Community #_FC: 1_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

Randolph St, west of Lincoln St

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
08/15/07	0	82	19	0	5	0	0	1	0	0	0	0	0	107
01:00	1	40	12	0	5	0	0	0	0	0	0	0	0	58
02:00	0	28	9	0	3	0	0	0	1	0	0	0	0	41
03:00	0	32	5	0	2	0	0	0	1	0	0	0	0	40
04:00	0	46	19	1	6	0	0	0	1	0	0	0	0	73
05:00	2	162	89	0	15	2	0	0	3	0	0	0	0	273
06:00	7	497	234	5	53	4	0	8	1	0	0	0	0	809
07:00	11	892	233	12	45	14	0	4	3	1	0	0	0	1215
08:00	7	828	224	8	50	5	0	5	4	0	0	0	0	1131
09:00	5	547	199	8	50	10	1	10	6	0	0	0	0	836
10:00	2	506	197	7	42	5	0	7	3	0	0	0	0	769
11:00	2	533	173	3	42	8	0	7	4	0	0	0	0	772
12 PM	4	531	216	10	41	6	0	8	4	0	0	0	0	820
13:00	9	574	193	11	32	17	0	9	6	0	0	0	0	851
14:00	6	620	232	5	57	9	0	11	7	0	0	1	0	948
15:00	7	705	257	10	72	4	0	2	6	0	0	0	0	1063
16:00	11	916	340	7	59	8	0	8	3	0	0	0	0	1352
17:00	12	1022	314	4	51	7	0	7	1	0	0	0	0	1418
18:00	11	821	267	7	57	2	0	11	0	0	0	0	0	1176
19:00	11	673	163	1	32	4	0	4	0	0	0	0	0	888
20:00	2	485	136	0	16	1	0	2	0	0	0	0	0	642
21:00	8	383	106	2	14	0	0	4	2	0	0	0	0	519
22:00	1	296	69	0	11	1	0	2	0	0	0	0	0	380
23:00	2	177	31	0	9	0	0	1	0	0	0	1	0	221
Total	121	11396	3737	101	769	107	1	111	56	1	0	2	0	16402
Percent	0.7%	69.5%	22.8%	0.6%	4.7%	0.7%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	06:00	07:00	06:00	07:00	09:00	09:00	09:00	07:00				07:00
Vol.	11	892	234	12	53	14	1	10	6	1				1215
PM Peak	17:00	17:00	16:00	13:00	15:00	13:00		14:00	14:00			14:00		17:00
Vol.	12	1022	340	11	72	17		11	7			1		1418
Grand Total	248	22537	7444	211	1547	180	1	230	90	3	0	4	0	32495
Percent		69.4%	22.9%	0.6%	4.8%	0.6%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
HV Total				211	1547	180	1	230	90	3	0	4	0	

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

Community: Abington
Community #_FC: 1_U5
Recorder #: Jamar #12
Tube Layout: L6 Basic

Station ID:
Site Code: 1
Date Start: 14-Aug-07
Date End: 15-Aug-07
North Ave, west of Adams St

Start Time	13-Aug-07		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	*	*	32	49	51	53	*	*	*	*	*	*	*	*	42	51
01:00	*	*	17	24	23	27	*	*	*	*	*	*	*	*	20	26
02:00	*	*	8	16	9	19	*	*	*	*	*	*	*	*	8	18
03:00	*	*	17	11	13	13	*	*	*	*	*	*	*	*	15	12
04:00	*	*	42	25	43	20	*	*	*	*	*	*	*	*	42	22
05:00	*	*	173	70	180	73	*	*	*	*	*	*	*	*	176	72
06:00	*	*	430	180	422	190	*	*	*	*	*	*	*	*	426	185
07:00	*	*	632	278	618	300	*	*	*	*	*	*	*	*	625	289
08:00	*	*	549	341	540	382	*	*	*	*	*	*	*	*	544	362
09:00	*	*	405	329	392	332	*	*	*	*	*	*	*	*	398	330
10:00	*	*	318	322	371	336	*	*	*	*	*	*	*	*	344	329
11:00	*	*	355	382	402	350	*	*	*	*	*	*	*	*	378	366
12:00 PM	*	*	380	376	376	374	*	*	*	*	*	*	*	*	378	375
01:00	*	*	350	349	391	369	*	*	*	*	*	*	*	*	370	359
02:00	*	*	410	430	391	406	*	*	*	*	*	*	*	*	400	418
03:00	*	*	431	486	431	493	*	*	*	*	*	*	*	*	431	490
04:00	*	*	448	565	472	575	*	*	*	*	*	*	*	*	460	570
05:00	*	*	468	617	513	582	*	*	*	*	*	*	*	*	490	600
06:00	*	*	412	546	406	573	*	*	*	*	*	*	*	*	409	560
07:00	*	*	342	431	342	446	*	*	*	*	*	*	*	*	342	438
08:00	*	*	276	273	289	301	*	*	*	*	*	*	*	*	282	287
09:00	*	*	205	198	237	210	*	*	*	*	*	*	*	*	221	204
10:00	*	*	155	138	174	156	*	*	*	*	*	*	*	*	164	147
11:00	*	*	104	92	92	85	*	*	*	*	*	*	*	*	98	88
Total Day	0	0	6959	6528	7178	6665	0	0	0	0	0	0	0	0	7063	6598
AM Peak Vol.	0	0	13487		13843		0	0	0	0	0	0	0	0	13661	
PM Peak Vol.			07:00	11:00	07:00	08:00									07:00	11:00
AM Peak			632	382	618	382									625	366
PM Peak			17:00	17:00	17:00	17:00									17:00	17:00
PM Peak			468	617	513	582									490	600

Comb. Total 0 13487 13843 0 0 0 0 13661

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	13-Aug-07 Mon	14-Aug-07 Tue	15-Aug-07 Wed	16-Aug-07 Thu	17-Aug-07 Fri	18-Aug-07 Sat	19-Aug-07 Sun	Week Average
12:00 AM	*	81	104	*	*	*	*	92
01:00	*	41	50	*	*	*	*	46
02:00	*	24	28	*	*	*	*	26
03:00	*	28	26	*	*	*	*	27
04:00	*	67	63	*	*	*	*	65
05:00	*	243	253	*	*	*	*	248
06:00	*	610	612	*	*	*	*	611
07:00	*	910	918	*	*	*	*	914
08:00	*	890	922	*	*	*	*	906
09:00	*	734	724	*	*	*	*	729
10:00	*	640	707	*	*	*	*	674
11:00	*	737	752	*	*	*	*	744
12:00 PM	*	756	750	*	*	*	*	753
01:00	*	699	760	*	*	*	*	730
02:00	*	840	797	*	*	*	*	818
03:00	*	917	924	*	*	*	*	920
04:00	*	1013	1047	*	*	*	*	1030
05:00	*	1085	1095	*	*	*	*	1090
06:00	*	958	979	*	*	*	*	968
07:00	*	773	788	*	*	*	*	780
08:00	*	549	590	*	*	*	*	570
09:00	*	403	447	*	*	*	*	425
10:00	*	293	330	*	*	*	*	312
11:00	*	196	177	*	*	*	*	186
Total	0	13487	13843	0	0	0	0	13664
Percentage	0.0%	98.7%	101.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	08:00					07:00
Vol.		910	922					914
PM Peak		17:00	17:00					17:00
Vol.		1085	1095					1090

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	1	0	0	1	10	10	8	1	1	0	0	0	0	0	32
01:00	0	0	0	0	7	9	1	0	0	0	0	0	0	0	17
02:00	0	0	0	0	3	1	2	2	0	0	0	0	0	0	8
03:00	0	0	1	1	2	9	3	1	0	0	0	0	0	0	17
04:00	1	0	0	2	9	18	11	1	0	0	0	0	0	0	42
05:00	1	0	0	2	36	86	42	4	2	0	0	0	0	0	173
06:00	6	0	1	11	129	220	60	3	0	0	0	0	0	0	430
07:00	30	11	15	66	268	200	41	0	1	0	0	0	0	0	632
08:00	26	0	8	84	220	182	29	0	0	0	0	0	0	0	549
09:00	8	1	6	27	148	165	48	2	0	0	0	0	0	0	405
10:00	7	6	11	24	126	114	29	1	0	0	0	0	0	0	318
11:00	22	3	2	29	135	134	26	3	0	1	0	0	0	0	355
12 PM	16	2	3	31	145	139	41	3	0	0	0	0	0	0	380
13:00	13	0	2	30	144	124	36	1	0	0	0	0	0	0	350
14:00	12	0	2	41	172	151	27	4	1	0	0	0	0	0	410
15:00	21	2	13	40	174	140	33	7	1	0	0	0	0	0	431
16:00	29	8	11	36	173	139	49	2	0	1	0	0	0	0	448
17:00	26	3	19	66	189	131	32	2	0	0	0	0	0	0	468
18:00	23	1	9	46	154	144	34	1	0	0	0	0	0	0	412
19:00	16	1	3	32	135	124	29	2	0	0	0	0	0	0	342
20:00	4	0	3	26	125	105	11	1	0	1	0	0	0	0	276
21:00	5	0	3	9	91	71	25	0	0	0	0	0	0	1	205
22:00	1	0	0	5	63	71	14	1	0	0	0	0	0	0	155
23:00	2	0	0	2	24	48	25	3	0	0	0	0	0	0	104
Total	270	38	112	611	2682	2535	656	45	6	3	0	0	0	1	6959

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/15/07	1	0	0	1	18	26	3	2	0	0	0	0	0	0	51
01:00	0	0	0	1	11	5	3	2	1	0	0	0	0	0	23
02:00	0	0	0	0	1	4	4	0	0	0	0	0	0	0	9
03:00	0	1	0	0	3	3	5	1	0	0	0	0	0	0	13
04:00	0	0	1	0	13	15	13	1	0	0	0	0	0	0	43
05:00	0	0	0	11	40	80	49	0	0	0	0	0	0	0	180
06:00	9	0	2	12	155	180	59	5	0	0	0	0	0	0	422
07:00	15	0	9	75	263	202	49	4	0	0	0	0	1	0	618
08:00	8	1	8	60	228	189	42	4	0	0	0	0	0	0	540
09:00	15	6	4	48	145	146	24	4	0	0	0	0	0	0	392
10:00	13	7	2	45	149	127	24	4	0	0	0	0	0	0	371
11:00	11	3	4	31	173	127	49	3	1	0	0	0	0	0	402
12 PM	16	0	3	24	161	130	37	5	0	0	0	0	0	0	376
13:00	12	4	16	44	147	122	43	3	0	0	0	0	0	0	391
14:00	17	3	3	21	151	149	42	3	2	0	0	0	0	0	391
15:00	21	0	3	49	173	146	34	2	2	1	0	0	0	0	431
16:00	25	1	3	39	194	167	40	2	1	0	0	0	0	0	472
17:00	58	5	12	69	196	142	29	2	0	0	0	0	0	0	513
18:00	23	1	4	37	156	144	36	3	2	0	0	0	0	0	406
19:00	20	3	6	29	146	118	17	2	1	0	0	0	0	0	342
20:00	8	0	9	26	145	80	19	2	0	0	0	0	0	0	289
21:00	4	0	0	30	100	78	20	5	0	0	0	0	0	0	237
22:00	4	0	0	11	75	73	10	1	0	0	0	0	0	0	174
23:00	2	0	0	4	30	43	12	1	0	0	0	0	0	0	92
Total	282	35	89	667	2873	2496	663	61	10	1	0	0	1	0	7178
Grand Total	552	73	201	1278	5555	5031	1319	106	16	4	0	0	1	1	14137

15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 43 MPH

Stats
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 10586
 Percent in Pace : 74.9%
 Number of Vehicles > 30 MPH : 12033
 Percent of Vehicles > 30 MPH : 85.1%

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	1	0	1	0	10	26	7	3	1	0	0	0	0	0	49
01:00	0	1	0	0	5	13	3	2	0	0	0	0	0	0	24
02:00	0	0	0	0	2	6	6	1	0	1	0	0	0	0	16
03:00	0	0	0	1	1	5	3	1	0	0	0	0	0	0	11
04:00	0	0	0	0	5	7	9	3	1	0	0	0	0	0	25
05:00	0	0	0	0	10	29	22	6	3	0	0	0	0	0	70
06:00	9	0	1	2	39	80	42	6	1	0	0	0	0	0	180
07:00	35	0	3	11	67	97	56	9	0	0	0	0	0	0	278
08:00	28	0	2	19	70	135	77	9	1	0	0	0	0	0	341
09:00	18	1	2	12	69	130	82	13	1	1	0	0	0	0	329
10:00	15	5	0	17	83	139	54	8	1	0	0	0	0	0	322
11:00	18	1	3	22	104	158	66	8	2	0	0	0	0	0	382
12 PM	18	0	4	18	108	147	68	12	1	0	0	0	0	0	376
13:00	19	0	1	15	73	153	73	14	1	0	0	0	0	0	349
14:00	23	1	9	24	117	185	62	7	2	0	0	0	0	0	430
15:00	24	4	5	41	132	184	83	10	2	1	0	0	0	0	486
16:00	48	5	7	45	217	179	52	11	1	0	0	0	0	0	565
17:00	38	1	36	88	215	187	46	6	0	0	0	0	0	0	617
18:00	36	2	6	41	170	205	76	8	1	1	0	0	0	0	546
19:00	21	0	4	11	153	164	72	5	1	0	0	0	0	0	431
20:00	4	0	1	13	64	117	60	11	3	0	0	0	0	0	273
21:00	9	0	3	1	26	108	40	9	2	0	0	0	0	0	198
22:00	2	0	3	5	21	61	31	11	3	1	0	0	0	0	138
23:00	1	0	1	4	23	35	25	3	0	0	0	0	0	0	92
Total	367	21	92	390	1784	2550	1115	176	28	5	0	0	0	0	6528

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/15/07	0	0	0	6	8	24	11	2	1	1	0	0	0	0	53
01:00	0	0	0	1	5	6	11	4	0	0	0	0	0	0	27
02:00	0	0	0	0	4	8	3	3	1	0	0	0	0	0	19
03:00	0	0	0	0	3	3	5	0	1	0	1	0	0	0	13
04:00	0	0	0	0	3	7	5	4	1	0	0	0	0	0	20
05:00	1	0	0	1	16	30	21	3	1	0	0	0	0	0	73
06:00	9	1	3	10	57	70	30	9	1	0	0	0	0	0	190
07:00	18	1	8	15	96	110	42	8	1	1	0	0	0	0	300
08:00	16	5	4	27	110	146	67	7	0	0	0	0	0	0	382
09:00	14	1	5	13	77	144	69	7	2	0	0	0	0	0	332
10:00	24	0	2	12	86	139	67	6	0	0	0	0	0	0	336
11:00	22	3	4	24	114	133	40	7	2	0	1	0	0	0	350
12 PM	19	2	2	19	94	151	81	6	0	0	0	0	0	0	374
13:00	19	2	5	18	95	136	82	11	1	0	0	0	0	0	369
14:00	25	6	14	22	94	157	75	11	2	0	0	0	0	0	406
15:00	29	1	11	34	130	189	81	16	2	0	0	0	0	0	493
16:00	33	1	8	51	221	182	69	8	2	0	0	0	0	0	575
17:00	52	5	15	57	183	185	73	11	1	0	0	0	0	0	582
18:00	29	2	27	42	208	198	56	11	0	0	0	0	0	0	573
19:00	35	2	7	25	124	179	60	12	2	0	0	0	0	0	446
20:00	8	1	0	21	92	116	57	5	1	0	0	0	0	0	301
21:00	6	0	0	3	40	91	58	12	0	0	0	0	0	0	210
22:00	9	2	1	4	38	52	45	5	0	0	0	0	0	0	156
23:00	1	0	0	4	11	42	24	3	0	0	0	0	0	0	85
Total	369	35	116	409	1909	2498	1132	171	22	2	2	0	0	0	6665
Grand Total	736	56	208	799	3693	5048	2247	347	50	7	2	0	0	0	13193

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

Stats
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 8741
 Percent in Pace : 66.3%
 Number of Vehicles > 30 MPH : 11394
 Percent of Vehicles > 30 MPH : 86.4%

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/14/07	2	0	1	1	20	36	15	4	2	0	0	0	0	0	81
01:00	0	1	0	0	12	22	4	2	0	0	0	0	0	0	41
02:00	0	0	0	0	5	7	8	3	0	1	0	0	0	0	24
03:00	0	0	1	2	3	14	6	2	0	0	0	0	0	0	28
04:00	1	0	0	2	14	25	20	4	1	0	0	0	0	0	67
05:00	1	0	0	2	46	115	64	10	5	0	0	0	0	0	243
06:00	15	0	2	13	168	300	102	9	1	0	0	0	0	0	610
07:00	65	11	18	77	335	297	97	9	1	0	0	0	0	0	910
08:00	54	0	10	103	290	317	106	9	1	0	0	0	0	0	890
09:00	26	2	8	39	217	295	130	15	1	1	0	0	0	0	734
10:00	22	11	11	41	209	253	83	9	1	0	0	0	0	0	640
11:00	40	4	5	51	239	292	92	11	2	1	0	0	0	0	737
12 PM	34	2	7	49	253	286	109	15	1	0	0	0	0	0	756
13:00	32	0	3	45	217	277	109	15	1	0	0	0	0	0	699
14:00	35	1	11	65	289	336	89	11	3	0	0	0	0	0	840
15:00	45	6	18	81	306	324	116	17	3	1	0	0	0	0	917
16:00	77	13	18	81	390	318	101	13	1	1	0	0	0	0	1013
17:00	64	4	55	154	404	318	78	8	0	0	0	0	0	0	1085
18:00	59	3	15	87	324	349	110	9	1	1	0	0	0	0	958
19:00	37	1	7	43	288	288	101	7	1	0	0	0	0	0	773
20:00	8	0	4	39	189	222	71	12	3	1	0	0	0	0	549
21:00	14	0	6	10	117	179	65	9	2	0	0	0	0	0	403
22:00	3	0	3	10	84	132	45	12	3	1	0	0	0	0	293
23:00	3	0	1	6	47	83	50	6	0	0	0	0	0	0	196
Total	637	59	204	1001	4466	5085	1771	221	34	8	0	0	0	0	13487

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07
 North Ave, west of Adams St

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
08/15/07	1	0	0	7	26	50	14	4	1	1	0	0	0	0	104
01:00	0	0	0	2	16	11	14	6	1	0	0	0	0	0	50
02:00	0	0	0	0	5	12	7	3	1	0	0	0	0	0	28
03:00	0	1	0	0	6	6	10	1	1	0	1	0	0	0	26
04:00	0	0	1	0	16	22	18	5	1	0	0	0	0	0	63
05:00	1	0	0	12	56	110	70	3	1	0	0	0	0	0	253
06:00	18	1	5	22	212	250	89	14	1	0	0	0	0	0	612
07:00	33	1	17	90	359	312	91	12	1	1	0	0	1	0	918
08:00	24	6	12	87	338	335	109	11	0	0	0	0	0	0	922
09:00	29	7	9	61	222	290	93	11	2	0	0	0	0	0	724
10:00	37	7	4	57	235	266	91	10	0	0	0	0	0	0	707
11:00	33	6	8	55	287	260	89	10	3	0	1	0	0	0	752
12 PM	35	2	5	43	255	281	118	11	0	0	0	0	0	0	750
13:00	31	6	21	62	242	258	125	14	1	0	0	0	0	0	760
14:00	42	9	17	43	245	306	117	14	4	0	0	0	0	0	797
15:00	50	1	14	83	303	335	115	18	4	1	0	0	0	0	924
16:00	58	2	11	90	415	349	109	10	3	0	0	0	0	0	1047
17:00	110	10	27	126	379	327	102	13	1	0	0	0	0	0	1095
18:00	52	3	31	79	364	342	92	14	2	0	0	0	0	0	979
19:00	55	5	13	54	270	297	77	14	3	0	0	0	0	0	788
20:00	16	1	9	47	237	196	76	7	1	0	0	0	0	0	590
21:00	10	0	0	33	140	169	78	17	0	0	0	0	0	0	447
22:00	13	2	1	15	113	125	55	6	0	0	0	0	0	0	330
23:00	3	0	0	8	41	85	36	4	0	0	0	0	0	0	177
Total	651	70	205	1076	4782	4994	1795	232	32	3	2	0	1	0	13843
Grand Total	1288	129	409	2077	9248	10079	3566	453	66	11	2	0	1	1	27330

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

Stats Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 19327
 Percent in Pace : 70.7%
 Number of Vehicles > 30 MPH : 23427
 Percent of Vehicles > 30 MPH : 85.7%

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/14/07	0	26	6	0	0	0	0	0	0	0	0	0	0	32
01:00	0	13	3	0	1	0	0	0	0	0	0	0	0	17
02:00	0	6	1	0	0	0	0	1	0	0	0	0	0	8
03:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
04:00	0	24	14	1	3	0	0	0	0	0	0	0	0	42
05:00	3	101	62	0	6	1	0	0	0	0	0	0	0	173
06:00	2	277	120	2	24	2	0	0	2	0	0	0	0	429
07:00	3	490	112	2	19	1	0	2	2	0	0	0	0	631
08:00	4	406	112	3	17	2	0	4	1	0	0	0	0	549
09:00	3	288	88	6	15	3	0	1	1	0	0	0	0	405
10:00	1	222	73	5	13	1	0	3	0	0	0	0	0	318
11:00	2	262	65	5	16	2	0	1	0	1	0	0	0	354
12 PM	2	268	82	2	15	7	0	4	0	0	0	0	0	380
13:00	3	259	69	2	11	2	0	2	1	0	0	0	1	350
14:00	2	288	93	3	13	7	0	2	1	0	0	0	0	409
15:00	5	313	89	2	12	5	0	2	2	0	0	0	0	430
16:00	2	334	89	2	13	2	0	4	1	0	0	0	0	447
17:00	4	353	90	2	14	3	0	1	0	0	0	0	0	467
18:00	10	310	72	0	12	4	0	3	0	1	0	0	0	412
19:00	6	261	65	0	7	0	0	3	0	0	0	0	0	342
20:00	8	203	57	0	8	0	0	0	0	0	0	0	0	276
21:00	2	153	46	1	2	0	0	0	0	0	0	0	0	204
22:00	2	126	24	0	2	1	0	0	0	0	0	0	0	155
23:00	1	86	13	1	2	0	0	0	0	0	0	0	0	103
Total	65	5082	1449	39	225	43	0	33	11	2	0	0	1	6950
Percent	0.9%	73.1%	20.8%	0.6%	3.2%	0.6%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	06:00	09:00	06:00	09:00		08:00	06:00	11:00				07:00
Vol.	4	490	120	6	24	3		4	2	1				631
PM Peak	18:00	17:00	14:00	14:00	12:00	12:00		12:00	15:00	18:00			13:00	17:00
Vol.	10	353	93	3	15	7		4	2	1			1	467

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/15/07	0	42	8	0	1	0	0	0	0	0	0	0	0	51
01:00	1	19	2	0	1	0	0	0	0	0	0	0	0	23
02:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9
03:00	0	9	2	0	2	0	0	0	0	0	0	0	0	13
04:00	0	27	12	0	3	1	0	0	0	0	0	0	0	43
05:00	2	108	54	0	14	1	0	1	0	0	0	0	0	180
06:00	1	264	124	3	24	2	0	1	2	0	0	0	0	421
07:00	7	469	109	5	17	3	0	4	2	1	0	1	0	618
08:00	2	383	128	2	16	3	0	3	3	0	0	0	0	540
09:00	2	277	89	1	16	5	0	0	2	0	0	0	0	392
10:00	2	269	68	2	20	5	0	0	5	0	0	0	0	371
11:00	0	297	80	4	15	0	0	3	3	0	0	0	0	402
12 PM	2	276	67	6	16	3	0	4	2	0	0	0	0	376
13:00	4	289	72	6	9	8	0	0	3	0	0	0	0	391
14:00	3	275	85	1	17	2	0	3	4	0	0	1	0	391
15:00	2	320	89	3	11	4	0	1	1	0	0	0	0	431
16:00	4	350	92	1	13	6	0	2	3	0	0	0	0	471
17:00	6	406	75	1	16	5	1	2	0	0	0	0	0	512
18:00	5	307	77	0	9	2	0	4	1	0	0	0	0	405
19:00	3	276	49	0	8	2	0	3	0	0	0	0	0	341
20:00	3	227	55	0	3	1	0	0	0	0	0	0	0	289
21:00	1	195	38	0	1	2	0	0	0	0	0	0	0	237
22:00	2	138	31	0	2	1	0	0	0	0	0	0	0	174
23:00	0	74	13	0	4	0	0	0	0	0	0	0	0	91
Total	52	5305	1420	35	238	56	1	31	31	1	0	2	0	7172
Percent	0.7%	74.0%	19.8%	0.5%	3.3%	0.8%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	08:00	07:00	06:00	09:00		07:00	10:00	07:00		07:00		07:00
Vol.	7	469	128	5	24	5		4	5	1		1		618
PM Peak	17:00	17:00	16:00	12:00	14:00	13:00	17:00	12:00	14:00			14:00		17:00
Vol.	6	406	92	6	17	8	1	4	4			1		512
Grand Total	117	10387	2869	74	463	99	1	64	42	3	0	2	1	14122
Percent		73.6%	20.3%	0.5%	3.3%	0.7%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	
HV Total				74	463	99	1	64	42	3	0	2	1	

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/14/07	0	43	4	0	2	0	0	0	0	0	0	0	0	49
01:00	0	16	6	0	2	0	0	0	0	0	0	0	0	24
02:00	1	9	2	0	3	0	0	1	0	0	0	0	0	16
03:00	0	10	0	0	1	0	0	0	0	0	0	0	0	11
04:00	0	11	5	0	8	1	0	0	0	0	0	0	0	25
05:00	0	40	20	0	9	0	0	1	0	0	0	0	0	70
06:00	3	107	53	2	9	3	0	2	0	0	0	0	0	179
07:00	2	196	61	2	12	2	0	0	0	1	0	0	0	276
08:00	2	230	81	5	18	1	0	2	1	0	0	0	0	340
09:00	1	207	92	8	16	2	0	2	1	0	0	0	0	329
10:00	1	190	94	5	21	4	0	4	3	0	0	0	0	322
11:00	2	258	78	6	27	4	0	5	2	0	0	0	0	382
12 PM	3	241	95	5	24	1	0	6	1	0	0	0	0	376
13:00	1	232	90	1	17	2	0	2	2	1	0	0	0	348
14:00	4	285	111	3	22	1	0	3	1	0	0	0	0	430
15:00	5	308	136	1	31	3	0	1	1	0	0	0	0	486
16:00	7	371	139	3	30	4	0	10	0	0	0	0	0	564
17:00	8	430	143	4	24	3	0	4	0	0	0	0	0	616
18:00	3	381	142	1	15	2	0	0	1	0	0	0	0	545
19:00	6	296	112	0	14	0	0	3	0	0	0	0	0	431
20:00	2	192	60	1	17	0	0	0	1	0	0	0	0	273
21:00	1	137	51	0	7	1	0	0	0	0	0	0	0	197
22:00	1	103	27	0	6	0	0	0	0	0	0	0	0	137
23:00	1	68	21	0	1	0	0	0	0	0	0	1	0	92
Total	54	4361	1623	47	336	34	0	46	14	2	0	1	0	6518
Percent	0.8%	66.9%	24.9%	0.7%	5.2%	0.5%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	11:00	10:00	09:00	11:00	10:00		11:00	10:00	07:00				11:00
Vol.	3	258	94	8	27	4		5	3	1				382
PM Peak	17:00	17:00	17:00	12:00	15:00	16:00		16:00	13:00	13:00		23:00		17:00
Vol.	8	430	143	5	31	4		10	2	1		1		616

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/15/07	0	41	9	0	3	0	0	0	0	0	0	0	0	53
01:00	0	21	5	0	1	0	0	0	0	0	0	0	0	27
02:00	0	12	5	0	2	0	0	0	0	0	0	0	0	19
03:00	0	8	4	0	0	1	0	0	0	0	0	0	0	13
04:00	0	11	6	0	3	0	0	0	0	0	0	0	0	20
05:00	0	46	18	0	8	1	0	0	0	0	0	0	0	73
06:00	1	118	46	2	12	3	0	7	0	0	0	0	0	189
07:00	5	208	59	1	17	3	0	2	4	1	0	0	0	300
08:00	2	252	92	5	26	1	0	2	2	0	0	0	0	382
09:00	4	213	84	5	21	1	0	3	0	1	0	0	0	332
10:00	3	218	87	1	19	5	0	1	2	0	0	0	0	336
11:00	2	238	72	5	20	5	0	4	4	0	0	0	0	350
12 PM	2	256	88	4	17	4	0	2	1	0	0	0	0	374
13:00	3	255	80	3	16	3	0	5	4	0	0	0	0	369
14:00	5	269	100	4	17	5	0	4	1	0	0	0	0	405
15:00	4	340	113	0	27	3	0	1	4	0	0	0	0	492
16:00	6	374	155	2	28	3	0	6	0	0	0	0	0	574
17:00	3	427	127	2	19	1	0	1	0	0	1	0	0	581
18:00	6	413	119	2	26	3	0	3	0	0	0	0	0	572
19:00	5	334	95	1	9	1	0	0	0	0	0	0	0	445
20:00	4	214	75	0	6	1	0	1	0	0	0	0	0	301
21:00	0	164	43	0	2	0	0	0	0	0	0	0	0	209
22:00	1	125	26	0	3	0	0	0	0	0	0	0	0	155
23:00	0	68	14	0	2	0	0	0	0	0	0	1	0	85
Total	56	4625	1522	37	304	44	0	42	22	2	1	1	0	6656
Percent	0.8%	69.5%	22.9%	0.6%	4.6%	0.7%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	08:00	08:00	08:00	10:00		06:00	07:00	07:00				08:00
Vol.	5	252	92	5	26	5		7	4	1				382
PM Peak	16:00	17:00	16:00	12:00	16:00	14:00		16:00	13:00		17:00	23:00		17:00
Vol.	6	427	155	4	28	5		6	4		1	1		581
Grand Total	110	8986	3145	84	640	78	0	88	36	4	1	2	0	13174
Percent		68.2%	23.9%	0.6%	4.9%	0.6%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	
HV Total				84	640	78	0	88	36	4	1	2	0	

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 1

Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/14/07	0	69	10	0	2	0	0	0	0	0	0	0	0	81
01:00	0	29	9	0	3	0	0	0	0	0	0	0	0	41
02:00	1	15	3	0	3	0	0	2	0	0	0	0	0	24
03:00	0	23	4	0	1	0	0	0	0	0	0	0	0	28
04:00	0	35	19	1	11	1	0	0	0	0	0	0	0	67
05:00	3	141	82	0	15	1	0	1	0	0	0	0	0	243
06:00	5	384	173	4	33	5	0	2	2	0	0	0	0	608
07:00	5	686	173	4	31	3	0	2	2	1	0	0	0	907
08:00	6	636	193	8	35	3	0	6	2	0	0	0	0	889
09:00	4	495	180	14	31	5	0	3	2	0	0	0	0	734
10:00	2	412	167	10	34	5	0	7	3	0	0	0	0	640
11:00	4	520	143	11	43	6	0	6	2	1	0	0	0	736
12 PM	5	509	177	7	39	8	0	10	1	0	0	0	0	756
13:00	4	491	159	3	28	4	0	4	3	1	0	0	1	698
14:00	6	573	204	6	35	8	0	5	2	0	0	0	0	839
15:00	10	621	225	3	43	8	0	3	3	0	0	0	0	916
16:00	9	705	228	5	43	6	0	14	1	0	0	0	0	1011
17:00	12	783	233	6	38	6	0	5	0	0	0	0	0	1083
18:00	13	691	214	1	27	6	0	3	1	1	0	0	0	957
19:00	12	557	177	0	21	0	0	6	0	0	0	0	0	773
20:00	10	395	117	1	25	0	0	0	1	0	0	0	0	549
21:00	3	290	97	1	9	1	0	0	0	0	0	0	0	401
22:00	3	229	51	0	8	1	0	0	0	0	0	0	0	292
23:00	2	154	34	1	3	0	0	0	0	0	0	1	0	195
Total	119	9443	3072	86	561	77	0	79	25	4	0	1	1	13468
Percent	0.9%	70.1%	22.8%	0.6%	4.2%	0.6%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	08:00	07:00	08:00	09:00	11:00	11:00		10:00	10:00	07:00				07:00
Vol.	6	686	193	14	43	6		7	3	1				907
PM Peak	18:00	17:00	17:00	12:00	15:00	12:00		16:00	13:00	13:00		23:00	13:00	17:00
Vol.	13	783	233	7	43	8		14	3	1		1	1	1083

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

Community: Abington
 Community #_FC: 1_U5
 Recorder #: Jamar #12
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 1
 Date Start: 14-Aug-07
 Date End: 15-Aug-07

North Ave, west of Adams St

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
08/15/07	0	83	17	0	4	0	0	0	0	0	0	0	0	104
01:00	1	40	7	0	2	0	0	0	0	0	0	0	0	50
02:00	0	20	6	0	2	0	0	0	0	0	0	0	0	28
03:00	0	17	6	0	2	1	0	0	0	0	0	0	0	26
04:00	0	38	18	0	6	1	0	0	0	0	0	0	0	63
05:00	2	154	72	0	22	2	0	1	0	0	0	0	0	253
06:00	2	382	170	5	36	5	0	8	2	0	0	0	0	610
07:00	12	677	168	6	34	6	0	6	6	2	0	1	0	918
08:00	4	635	220	7	42	4	0	5	5	0	0	0	0	922
09:00	6	490	173	6	37	6	0	3	2	1	0	0	0	724
10:00	5	487	155	3	39	10	0	1	7	0	0	0	0	707
11:00	2	535	152	9	35	5	0	7	7	0	0	0	0	752
12 PM	4	532	155	10	33	7	0	6	3	0	0	0	0	750
13:00	7	544	152	9	25	11	0	5	7	0	0	0	0	760
14:00	8	544	185	5	34	7	0	7	5	0	0	1	0	796
15:00	6	660	202	3	38	7	0	2	5	0	0	0	0	923
16:00	10	724	247	3	41	9	0	8	3	0	0	0	0	1045
17:00	9	833	202	3	35	6	1	3	0	0	1	0	0	1093
18:00	11	720	196	2	35	5	0	7	1	0	0	0	0	977
19:00	8	610	144	1	17	3	0	3	0	0	0	0	0	786
20:00	7	441	130	0	9	2	0	1	0	0	0	0	0	590
21:00	1	359	81	0	3	2	0	0	0	0	0	0	0	446
22:00	3	263	57	0	5	1	0	0	0	0	0	0	0	329
23:00	0	142	27	0	6	0	0	0	0	0	0	1	0	176
Total	108	9930	2942	72	542	100	1	73	53	3	1	3	0	13828
Percent	0.8%	71.8%	21.3%	0.5%	3.9%	0.7%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	08:00	11:00	08:00	10:00		06:00	10:00	07:00		07:00		08:00
Vol.	12	677	220	9	42	10		8	7	2		1		922
PM Peak	18:00	17:00	16:00	12:00	16:00	13:00	17:00	16:00	13:00		17:00	14:00		17:00
Vol.	11	833	247	10	41	11	1	8	7		1	1		1093
Grand Total	227	19373	6014	158	1103	177	1	152	78	7	1	4	1	27296
Percent		71.0%	22.0%	0.6%	4.0%	0.6%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%	
HV Total				158	1103	177	1	152	78	7	1	4	1	

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

Start Time	11-May-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	*	*	32	35	44	42	*	*	*	*	*	*	*	*	38	38
01:00	*	*	16	18	22	23	*	*	*	*	*	*	*	*	19	20
02:00	*	*	14	16	9	10	*	*	*	*	*	*	*	*	12	13
03:00	*	*	12	16	15	14	*	*	*	*	*	*	*	*	14	15
04:00	*	*	43	29	36	41	*	*	*	*	*	*	*	*	40	35
05:00	*	*	164	135	163	141	*	*	*	*	*	*	*	*	164	138
06:00	*	*	485	379	470	364	*	*	*	*	*	*	*	*	478	372
07:00	*	*	694	579	705	612	*	*	*	*	*	*	*	*	700	596
08:00	*	*	592	554	643	578	*	*	*	*	*	*	*	*	618	566
09:00	*	*	386	403	432	498	*	*	*	*	*	*	*	*	409	450
10:00	*	*	365	374	381	417	*	*	*	*	*	*	*	*	373	396
11:00	*	*	404	389	391	393	*	*	*	*	*	*	*	*	398	391
12:00 PM	*	*	423	490	460	478	*	*	*	*	*	*	*	*	442	484
01:00	*	*	427	478	414	501	*	*	*	*	*	*	*	*	420	490
02:00	*	*	565	522	610	577	*	*	*	*	*	*	*	*	588	550
03:00	*	*	661	596	743	606	*	*	*	*	*	*	*	*	702	601
04:00	*	*	584	638	636	684	*	*	*	*	*	*	*	*	610	661
05:00	*	*	674	688	761	689	*	*	*	*	*	*	*	*	718	688
06:00	*	*	471	580	495	610	*	*	*	*	*	*	*	*	483	595
07:00	*	*	344	393	380	430	*	*	*	*	*	*	*	*	362	412
08:00	*	*	316	284	338	309	*	*	*	*	*	*	*	*	327	296
09:00	*	*	215	207	238	216	*	*	*	*	*	*	*	*	226	212
10:00	*	*	142	132	149	124	*	*	*	*	*	*	*	*	146	128
11:00	*	*	89	86	91	83	*	*	*	*	*	*	*	*	90	84
Total	0	0	8118	8021	8626	8440	0	0	0	0	0	0	0	0	8377	8231
Day	0	0	16139		17066		0	0	0	0	0	0	0	0	16608	
AM Peak			07:00	07:00	07:00	07:00									07:00	07:00
Vol.			694	579	705	612									700	596
PM Peak			17:00	17:00	17:00	17:00									17:00	17:00
Vol.			674	688	761	689									718	688

Comb. Total 0 16139 17066 0 0 0 0 16608

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

Start Time	11-May-09 Mon	12-May-09 Tue	13-May-09 Wed	14-May-09 Thu	15-May-09 Fri	16-May-09 Sat	17-May-09 Sun	Week Average
12:00 AM	*	67	86	*	*	*	*	76
01:00	*	34	45	*	*	*	*	40
02:00	*	30	19	*	*	*	*	24
03:00	*	28	29	*	*	*	*	28
04:00	*	72	77	*	*	*	*	74
05:00	*	299	304	*	*	*	*	302
06:00	*	864	834	*	*	*	*	849
07:00	*	1273	1317	*	*	*	*	1295
08:00	*	1146	1221	*	*	*	*	1184
09:00	*	789	930	*	*	*	*	860
10:00	*	739	798	*	*	*	*	768
11:00	*	793	784	*	*	*	*	788
12:00 PM	*	913	938	*	*	*	*	926
01:00	*	905	915	*	*	*	*	910
02:00	*	1087	1187	*	*	*	*	1137
03:00	*	1257	1349	*	*	*	*	1303
04:00	*	1222	1320	*	*	*	*	1271
05:00	*	1362	1450	*	*	*	*	1406
06:00	*	1051	1105	*	*	*	*	1078
07:00	*	737	810	*	*	*	*	774
08:00	*	600	647	*	*	*	*	624
09:00	*	422	454	*	*	*	*	438
10:00	*	274	273	*	*	*	*	274
11:00	*	175	174	*	*	*	*	174
Total	0	16139	17066	0	0	0	0	16603
Percentage	0.0%	97.2%	102.8%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		1273	1317					1295
PM Peak		17:00	17:00					17:00
Vol.		1362	1450					1406

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/12/09	0	0	0	1	7	13	8	2	1	0	0	0	0	0	32
01:00	0	0	0	0	5	9	2	0	0	0	0	0	0	0	16
02:00	0	0	0	1	4	3	5	1	0	0	0	0	0	0	14
03:00	0	0	0	0	3	3	6	0	0	0	0	0	0	0	12
04:00	1	0	1	3	6	14	13	5	0	0	0	0	0	0	43
05:00	5	0	1	2	22	86	38	8	2	0	0	0	0	0	164
06:00	20	2	6	15	92	242	96	12	0	0	0	0	0	0	485
07:00	52	0	3	44	214	291	84	5	1	0	0	0	0	0	694
08:00	47	0	2	27	143	275	87	11	0	0	0	0	0	0	592
09:00	21	5	4	17	114	168	48	8	1	0	0	0	0	0	386
10:00	25	0	5	15	106	160	45	7	2	0	0	0	0	0	365
11:00	15	0	0	11	125	186	62	5	0	0	0	0	0	0	404
12 PM	15	0	1	23	126	186	66	6	0	0	0	0	0	0	423
13:00	35	0	0	26	98	209	56	3	0	0	0	0	0	0	427
14:00	40	1	5	25	136	271	76	9	2	0	0	0	0	0	565
15:00	63	4	7	38	208	269	64	6	2	0	0	0	0	0	661
16:00	36	0	0	28	142	281	86	11	0	0	0	0	0	0	584
17:00	47	0	1	26	225	302	66	6	0	1	0	0	0	0	674
18:00	37	0	0	9	140	225	55	4	1	0	0	0	0	0	471
19:00	17	0	0	12	98	163	48	5	1	0	0	0	0	0	344
20:00	9	0	1	16	127	127	34	2	0	0	0	0	0	0	316
21:00	5	0	0	8	62	102	36	2	0	0	0	0	0	0	215
22:00	0	0	2	7	39	68	21	5	0	0	0	0	0	0	142
23:00	0	0	1	4	21	39	21	2	1	0	0	0	0	0	89
Total	490	12	40	358	2263	3692	1123	125	14	1	0	0	0	0	8118

Daily
 15th Percentile : 31 MPH
 50th Percentile : 37 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5955
 Percent in Pace : 73.4%
 Number of Vehicles > 35 MPH : 4955
 Percent of Vehicles > 35 MPH : 61.0%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/13/09	0	0	0	1	9	24	8	2	0	0	0	0	0	0	44
01:00	0	0	0	0	5	10	5	2	0	0	0	0	0	0	22
02:00	0	0	0	0	0	4	5	0	0	0	0	0	0	0	9
03:00	1	0	1	0	2	7	2	2	0	0	0	0	0	0	15
04:00	0	0	1	0	7	15	7	6	0	0	0	0	0	0	36
05:00	3	0	0	2	30	77	34	15	2	0	0	0	0	0	163
06:00	31	4	5	16	99	200	102	11	2	0	0	0	0	0	470
07:00	48	0	0	48	189	333	82	5	0	0	0	0	0	0	705
08:00	39	0	1	18	174	308	98	4	1	0	0	0	0	0	643
09:00	32	1	0	16	130	180	69	4	0	0	0	0	0	0	432
10:00	21	2	5	46	127	136	39	5	0	0	0	0	0	0	381
11:00	24	5	29	164	148	20	1	0	0	0	0	0	0	0	391
12 PM	28	0	0	10	113	237	69	3	0	0	0	0	0	0	460
13:00	24	0	0	19	128	188	47	8	0	0	0	0	0	0	414
14:00	41	8	3	45	170	280	57	5	1	0	0	0	0	0	610
15:00	55	5	3	55	243	291	85	6	0	0	0	0	0	0	743
16:00	47	0	2	13	175	300	91	7	0	1	0	0	0	0	636
17:00	57	0	0	23	227	356	90	7	1	0	0	0	0	0	761
18:00	43	0	1	17	144	218	70	2	0	0	0	0	0	0	495
19:00	14	0	0	12	115	187	49	2	1	0	0	0	0	0	380
20:00	16	0	0	14	120	135	47	5	0	0	1	0	0	0	338
21:00	10	0	1	16	75	108	26	2	0	0	0	0	0	0	238
22:00	0	0	0	1	39	85	22	2	0	0	0	0	0	0	149
23:00	0	0	0	5	20	43	21	1	1	0	0	0	0	0	91
Total	534	25	52	541	2489	3742	1126	106	9	1	1	0	0	0	8626

Daily
 15th Percentile : 31 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 6231
 Percent in Pace : 72.2%
 Number of Vehicles > 35 MPH : 4985
 Percent of Vehicles > 35 MPH : 57.8%

Grand Total	1024	37	92	899	4752	7434	2249	231	23	2	1	0	0	0	16744
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Overall
 15th Percentile : 31 MPH
 50th Percentile : 37 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 12186
 Percent in Pace : 72.8%
 Number of Vehicles > 35 MPH : 9940
 Percent of Vehicles > 35 MPH : 59.4%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/12/09	0	0	0	2	12	15	5	1	0	0	0	0	0	0	35
01:00	1	0	0	0	5	6	5	1	0	0	0	0	0	0	18
02:00	0	0	0	2	5	5	4	0	0	0	0	0	0	0	16
03:00	0	0	0	1	8	5	2	0	0	0	0	0	0	0	16
04:00	1	0	0	1	7	8	8	4	0	0	0	0	0	0	29
05:00	3	0	1	11	48	48	23	1	0	0	0	0	0	0	135
06:00	26	7	5	53	153	97	37	1	0	0	0	0	0	0	379
07:00	70	4	19	43	193	195	54	0	1	0	0	0	0	0	579
08:00	53	0	7	33	189	219	51	2	0	0	0	0	0	0	554
09:00	30	0	3	30	119	176	42	3	0	0	0	0	0	0	403
10:00	29	1	3	18	134	152	32	5	0	0	0	0	0	0	374
11:00	17	0	2	18	148	158	42	4	0	0	0	0	0	0	389
12 PM	25	3	6	30	152	216	57	1	0	0	0	0	0	0	490
13:00	37	0	7	28	144	211	51	0	0	0	0	0	0	0	478
14:00	40	2	13	41	163	231	31	1	0	0	0	0	0	0	522
15:00	60	7	5	37	181	241	61	3	1	0	0	0	0	0	596
16:00	52	0	5	30	178	297	68	8	0	0	0	0	0	0	638
17:00	65	1	2	29	211	299	75	6	0	0	0	0	0	0	688
18:00	40	1	0	21	130	314	69	4	1	0	0	0	0	0	580
19:00	21	1	4	20	108	160	73	6	0	0	0	0	0	0	393
20:00	7	0	0	18	90	133	35	1	0	0	0	0	0	0	284
21:00	5	0	0	8	63	102	25	3	1	0	0	0	0	0	207
22:00	5	0	0	13	44	51	17	2	0	0	0	0	0	0	132
23:00	1	0	0	5	23	41	12	3	1	0	0	0	0	0	86
Total	588	27	82	492	2508	3380	879	60	5	0	0	0	0	0	8021

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

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5888
 Percent in Pace : 73.4%
 Number of Vehicles > 35 MPH : 4324
 Percent of Vehicles > 35 MPH : 53.9%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/13/09	0	0	0	3	6	20	10	2	1	0	0	0	0	0	42
01:00	0	0	0	0	5	10	6	1	1	0	0	0	0	0	23
02:00	0	0	0	1	4	5	0	0	0	0	0	0	0	0	10
03:00	0	0	0	1	5	5	2	1	0	0	0	0	0	0	14
04:00	5	0	0	3	9	12	8	3	1	0	0	0	0	0	41
05:00	3	0	0	11	46	57	20	4	0	0	0	0	0	0	141
06:00	20	0	3	55	158	104	23	1	0	0	0	0	0	0	364
07:00	69	1	29	67	184	215	47	0	0	0	0	0	0	0	612
08:00	55	0	0	22	178	257	62	4	0	0	0	0	0	0	578
09:00	39	4	2	14	140	219	71	9	0	0	0	0	0	0	498
10:00	43	11	23	66	102	128	41	3	0	0	0	0	0	0	417
11:00	118	116	86	59	12	2	0	0	0	0	0	0	0	0	393
12 PM	28	2	6	29	141	215	53	4	0	0	0	0	0	0	478
13:00	29	0	1	44	149	220	56	2	0	0	0	0	0	0	501
14:00	47	1	3	33	203	251	37	2	0	0	0	0	0	0	577
15:00	63	2	3	28	215	240	53	2	0	0	0	0	0	0	606
16:00	56	0	0	24	240	279	82	2	1	0	0	0	0	0	684
17:00	67	0	3	21	188	321	87	2	0	0	0	0	0	0	689
18:00	41	0	1	19	194	280	69	6	0	0	0	0	0	0	610
19:00	23	0	1	21	126	181	71	7	0	0	0	0	0	0	430
20:00	15	1	2	9	108	130	43	1	0	0	0	0	0	0	309
21:00	10	0	1	18	70	94	22	1	0	0	0	0	0	0	216
22:00	2	0	1	7	38	59	16	1	0	0	0	0	0	0	124
23:00	2	0	0	3	25	36	13	3	1	0	0	0	0	0	83
Total	735	138	165	558	2546	3340	892	61	5	0	0	0	0	0	8440

Daily
 15th Percentile : 28 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 43 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5886
 Percent in Pace : 69.7%
 Number of Vehicles > 35 MPH : 4298
 Percent of Vehicles > 35 MPH : 50.9%

Grand Total	1323	165	247	1050	5054	6720	1771	121	10	0	0	0	0	0	16461
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Overall
 15th Percentile : 29 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 11774
 Percent in Pace : 71.5%
 Number of Vehicles > 35 MPH : 8622
 Percent of Vehicles > 35 MPH : 52.4%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

WB, EB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/12/09	0	0	0	3	19	28	13	3	1	0	0	0	0	0	67
01:00	1	0	0	0	10	15	7	1	0	0	0	0	0	0	34
02:00	0	0	0	3	9	8	9	1	0	0	0	0	0	0	30
03:00	0	0	0	1	11	8	8	0	0	0	0	0	0	0	28
04:00	2	0	1	4	13	22	21	9	0	0	0	0	0	0	72
05:00	8	0	2	13	70	134	61	9	2	0	0	0	0	0	299
06:00	46	9	11	68	245	339	133	13	0	0	0	0	0	0	864
07:00	122	4	22	87	407	486	138	5	2	0	0	0	0	0	1273
08:00	100	0	9	60	332	494	138	13	0	0	0	0	0	0	1146
09:00	51	5	7	47	233	344	90	11	1	0	0	0	0	0	789
10:00	54	1	8	33	240	312	77	12	2	0	0	0	0	0	739
11:00	32	0	2	29	273	344	104	9	0	0	0	0	0	0	793
12 PM	40	3	7	53	278	402	123	7	0	0	0	0	0	0	913
13:00	72	0	7	54	242	420	107	3	0	0	0	0	0	0	905
14:00	80	3	18	66	299	502	107	10	2	0	0	0	0	0	1087
15:00	123	11	12	75	389	510	125	9	3	0	0	0	0	0	1257
16:00	88	0	5	58	320	578	154	19	0	0	0	0	0	0	1222
17:00	112	1	3	55	436	601	141	12	0	1	0	0	0	0	1362
18:00	77	1	0	30	270	539	124	8	2	0	0	0	0	0	1051
19:00	38	1	4	32	206	323	121	11	1	0	0	0	0	0	737
20:00	16	0	1	34	217	260	69	3	0	0	0	0	0	0	600
21:00	10	0	0	16	125	204	61	5	1	0	0	0	0	0	422
22:00	5	0	2	20	83	119	38	7	0	0	0	0	0	0	274
23:00	1	0	1	9	44	80	33	5	2	0	0	0	0	0	175
Total	1078	39	122	850	4771	7072	2002	185	19	1	0	0	0	0	16139

Daily
 15th Percentile : 31 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 11843
 Percent in Pace : 73.4%
 Number of Vehicles > 35 MPH : 9279
 Percent of Vehicles > 35 MPH : 57.5%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

WB, 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
05/13/09	0	0	0	4	15	44	18	4	1	0	0	0	0	0	86
01:00	0	0	0	0	10	20	11	3	1	0	0	0	0	0	45
02:00	0	0	0	1	4	9	5	0	0	0	0	0	0	0	19
03:00	1	0	1	1	7	12	4	3	0	0	0	0	0	0	29
04:00	5	0	1	3	16	27	15	9	1	0	0	0	0	0	77
05:00	6	0	0	13	76	134	54	19	2	0	0	0	0	0	304
06:00	51	4	8	71	257	304	125	12	2	0	0	0	0	0	834
07:00	117	1	29	115	373	548	129	5	0	0	0	0	0	0	1317
08:00	94	0	1	40	352	565	160	8	1	0	0	0	0	0	1221
09:00	71	5	2	30	270	399	140	13	0	0	0	0	0	0	930
10:00	64	13	28	112	229	264	80	8	0	0	0	0	0	0	798
11:00	142	121	115	223	160	22	1	0	0	0	0	0	0	0	784
12 PM	56	2	6	39	254	452	122	7	0	0	0	0	0	0	938
13:00	53	0	1	63	277	408	103	10	0	0	0	0	0	0	915
14:00	88	9	6	78	373	531	94	7	1	0	0	0	0	0	1187
15:00	118	7	6	83	458	531	138	8	0	0	0	0	0	0	1349
16:00	103	0	2	37	415	579	173	9	1	1	0	0	0	0	1320
17:00	124	0	3	44	415	677	177	9	1	0	0	0	0	0	1450
18:00	84	0	2	36	338	498	139	8	0	0	0	0	0	0	1105
19:00	37	0	1	33	241	368	120	9	1	0	0	0	0	0	810
20:00	31	1	2	23	228	265	90	6	0	0	1	0	0	0	647
21:00	20	0	2	34	145	202	48	3	0	0	0	0	0	0	454
22:00	2	0	1	8	77	144	38	3	0	0	0	0	0	0	273
23:00	2	0	0	8	45	79	34	4	2	0	0	0	0	0	174
Total	1269	163	217	1099	5035	7082	2018	167	14	1	1	0	0	0	17066

Daily
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 12117
 Percent in Pace : 71.0%
 Number of Vehicles > 35 MPH : 9283
 Percent of Vehicles > 35 MPH : 54.4%

Grand Total	2347	202	339	1949	9806	14154	4020	352	33	2	1	0	0	0	33205
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Overall
 15th Percentile : 31 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 23960
 Percent in Pace : 72.2%
 Number of Vehicles > 35 MPH : 18562
 Percent of Vehicles > 35 MPH : 55.9%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/12/09	0	26	6	0	0	0	0	0	0	0	0	0	0	32	0
01:00	0	12	2	0	2	0	0	0	0	0	0	0	0	16	2
02:00	0	9	4	0	1	0	0	0	0	0	0	0	0	14	1
03:00	0	7	4	0	1	0	0	0	0	0	0	0	0	12	1
04:00	0	20	17	1	5	0	0	0	0	0	0	0	0	43	6
05:00	1	83	58	0	20	1	0	0	0	0	0	0	0	163	21
06:00	4	318	130	3	23	3	0	3	1	0	0	0	0	485	33
07:00	4	505	142	5	33	4	0	3	0	0	0	0	0	696	45
08:00	1	423	132	6	22	4	0	2	1	0	0	0	0	591	35
09:00	1	248	95	2	30	6	0	1	2	0	0	0	0	385	41
10:00	4	234	90	6	22	5	0	2	1	0	0	0	0	364	36
11:00	1	251	111	5	26	4	0	5	1	0	0	0	0	404	41
12 PM	2	279	103	1	31	1	0	4	2	0	0	0	0	423	39
13:00	1	275	108	3	25	8	0	3	2	0	0	0	0	425	41
14:00	4	371	139	7	33	4	1	4	0	0	0	0	0	563	49
15:00	3	423	187	9	30	4	1	5	1	0	0	0	0	663	50
16:00	4	383	155	1	33	2	0	5	0	0	0	0	0	583	41
17:00	1	483	148	0	27	9	0	4	0	0	0	0	0	672	40
18:00	2	336	106	1	17	5	0	3	0	0	0	0	0	470	26
19:00	4	241	71	0	23	2	0	3	0	0	0	0	0	344	28
20:00	1	228	70	0	15	0	0	1	0	0	0	0	0	315	16
21:00	2	162	42	0	8	0	0	0	0	0	0	0	0	214	8
22:00	0	108	27	0	5	1	0	0	1	0	0	0	0	142	7
23:00	0	66	18	0	4	0	0	0	1	0	0	0	0	89	5
Total	40	5491	1965	50	436	63	2	48	13	0	0	0	0	8108	612
Percent	0.5%	67.7%	24.2%	0.6%	5.4%	0.8%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		7.5%
AM Peak	06:00	07:00	07:00	08:00	07:00	09:00		11:00	09:00					07:00	07:00
Vol.	4	505	142	6	33	6		5	2					696	45
PM Peak	14:00	17:00	15:00	15:00	14:00	17:00	14:00	15:00	12:00					17:00	15:00
Vol.	4	483	187	9	33	9	1	5	2					672	50

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

Community: Abington
Com #_U/RFC: 01_U5
Recorder #: Jamar #14
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 01
Date Start: 12-May-09
Date End: 13-May-09
North Ave (139), at Rockland T/L

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
05/13/09	0	32	10	0	2	0	0	0	0	0	0	0	0	44	2
01:00	0	14	5	0	3	0	0	0	0	0	0	0	0	22	3
02:00	0	6	2	0	1	0	0	0	0	0	0	0	0	9	1
03:00	0	12	1	0	2	0	0	0	0	0	0	0	0	15	2
04:00	0	15	13	0	7	1	0	0	0	0	0	0	0	36	8
05:00	1	81	60	0	20	1	0	0	0	0	0	0	0	163	21
06:00	1	312	119	2	27	2	0	4	1	0	0	0	0	468	36
07:00	6	501	163	1	26	3	0	3	1	0	0	0	0	704	34
08:00	2	430	158	9	33	5	1	2	2	0	0	0	0	642	52
09:00	3	266	113	7	30	5	0	5	1	0	0	0	0	430	48
10:00	2	232	108	3	26	5	0	1	2	1	0	0	0	380	38
11:00	5	239	109	5	24	2	2	2	2	0	0	0	0	390	37
12 PM	2	300	113	2	34	4	0	2	1	1	0	0	0	459	44
13:00	5	268	104	6	24	3	0	3	0	0	0	0	0	413	36
14:00	5	373	176	4	37	8	0	5	1	0	0	0	0	609	55
15:00	7	489	182	10	42	11	0	4	0	0	0	0	0	745	67
16:00	7	423	160	3	32	5	0	3	1	0	0	0	0	634	44
17:00	7	538	163	5	40	4	0	6	0	0	0	0	0	763	55
18:00	2	344	112	3	26	1	0	6	0	0	0	0	0	494	36
19:00	9	277	77	1	14	1	0	1	0	0	0	0	0	380	17
20:00	2	247	70	1	16	1	0	1	0	0	0	0	0	338	19
21:00	2	171	57	0	6	1	0	0	0	0	0	0	0	237	7
22:00	2	112	28	0	7	0	0	0	0	0	0	0	0	149	7
23:00	0	70	20	0	1	0	0	0	0	0	0	0	0	91	1
Total	70	5752	2123	62	480	63	3	48	12	2	0	0	0	8615	670
Percent	0.8%	66.8%	24.6%	0.7%	5.6%	0.7%	0.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%		7.8%
AM Peak	07:00	07:00	07:00	08:00	08:00	08:00	11:00	09:00	08:00	10:00				07:00	08:00
Vol.	6	501	163	9	33	5	2	5	2	1				704	52
PM Peak	19:00	17:00	15:00	15:00	15:00	15:00	17:00	12:00	12:00	12:00				17:00	15:00
Vol.	9	538	182	10	42	11	6	1	1	1				763	67
Grand Total	110	11243	4088	112	916	126	5	96	25	2	0	0	0	16723	1282
Percent	0.7%	67.2%	24.4%	0.7%	5.5%	0.8%	0.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%		7.7%

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

Community: Abington
Com #_U/RFC: 01_U5
Recorder #: Jamar #14
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 01
Date Start: 12-May-09
Date End: 13-May-09
North Ave (139), at Rockland T/L

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
05/12/09	0	30	5	0	0	0	0	0	0	0	0	0	0	35	0
01:00	0	15	2	0	1	0	0	0	0	0	0	0	0	18	1
02:00	0	10	4	0	1	1	0	0	0	0	0	0	0	16	2
03:00	0	10	5	0	1	0	0	0	0	0	0	0	0	16	1
04:00	0	19	8	0	2	0	0	0	0	0	0	0	0	29	2
05:00	0	91	30	3	8	3	0	0	0	0	0	0	0	135	14
06:00	1	258	101	6	11	0	0	1	0	0	0	0	0	378	18
07:00	2	407	133	3	24	4	0	6	3	0	0	0	0	582	40
08:00	2	391	126	6	22	4	0	5	0	0	0	0	0	556	37
09:00	1	243	121	6	24	5	0	1	1	0	0	0	0	402	37
10:00	3	256	74	2	24	8	0	3	3	0	0	0	0	373	40
11:00	0	275	95	3	11	2	0	3	0	0	0	0	0	389	19
12 PM	0	343	122	4	19	1	0	0	1	0	0	0	0	490	25
13:00	2	332	116	6	15	4	0	2	0	0	0	0	0	477	27
14:00	2	351	148	0	17	1	0	2	0	0	0	0	0	521	20
15:00	4	402	169	1	19	1	0	1	1	0	0	0	0	598	23
16:00	2	451	158	4	20	1	0	3	1	0	0	0	0	640	29
17:00	4	521	151	1	8	2	0	3	0	0	0	0	0	690	14
18:00	2	419	136	1	17	3	0	1	0	0	0	0	0	579	22
19:00	1	304	81	0	5	1	0	1	0	0	0	0	0	393	7
20:00	2	214	58	0	9	0	0	0	0	1	0	0	0	284	10
21:00	3	157	42	0	4	1	0	0	0	0	0	0	0	207	5
22:00	0	103	26	0	2	0	0	1	0	0	0	0	0	132	3
23:00	0	67	18	0	1	0	0	0	0	0	0	0	0	86	1
Total	31	5669	1929	46	265	42	0	33	10	1	0	0	0	8026	397
Percent	0.4%	70.6%	24.0%	0.6%	3.3%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		4.9%
AM Peak	10:00	07:00	07:00	06:00	07:00	10:00		07:00	07:00					07:00	07:00
Vol.	3	407	133	6	24	8		6	3					582	40
PM Peak	15:00	17:00	15:00	13:00	16:00	13:00		16:00	12:00	20:00				17:00	16:00
Vol.	4	521	169	6	20	4		3	1	1				690	29

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

Community: Abington
Com #_U/RFC: 01_U5
Recorder #: Jamar #14
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 01
Date Start: 12-May-09
Date End: 13-May-09
North Ave (139), at Rockland T/L

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
05/13/09	0	33	9	0	0	0	0	0	0	0	0	0	0	42	0
01:00	0	20	3	0	0	0	0	0	0	0	0	0	0	23	0
02:00	0	7	1	0	2	0	0	0	0	0	0	0	0	10	2
03:00	0	7	6	1	0	0	0	0	0	0	0	0	0	14	1
04:00	3	30	5	0	0	2	0	0	0	0	0	0	0	40	2
05:00	1	92	38	3	7	0	0	0	0	0	0	0	0	141	10
06:00	4	250	85	7	15	0	0	3	0	0	0	0	0	364	25
07:00	4	432	135	3	24	5	0	10	0	1	0	0	0	614	43
08:00	2	412	138	2	16	5	0	3	2	0	0	0	0	580	28
09:00	2	325	138	1	19	5	0	5	2	0	0	0	0	497	32
10:00	2	290	86	3	27	3	0	3	1	0	0	0	0	415	37
11:00	11	266	82	8	17	2	0	7	1	1	0	0	0	395	36
12 PM	3	319	131	3	15	3	0	2	1	0	0	0	0	477	24
13:00	1	344	127	11	13	1	0	1	2	0	0	0	0	500	28
14:00	1	405	148	3	17	0	0	2	0	0	0	0	0	576	22
15:00	1	423	157	4	16	3	0	3	1	0	0	0	0	608	27
16:00	4	486	171	1	19	3	0	1	1	0	0	0	0	686	25
17:00	6	502	156	2	22	1	0	3	0	0	0	0	0	692	28
18:00	7	468	118	1	13	1	0	2	0	0	0	0	0	610	17
19:00	2	328	83	1	12	1	0	1	1	0	0	0	0	429	16
20:00	1	225	74	0	9	0	0	0	0	0	0	0	0	309	9
21:00	0	168	43	0	4	0	0	0	0	0	0	0	0	215	4
22:00	0	97	23	0	3	0	0	0	0	0	0	0	0	123	3
23:00	0	66	16	0	0	0	0	0	0	0	0	0	0	82	0
Total	55	5995	1973	54	270	35	0	46	12	2	0	0	0	8442	419
Percent	0.7%	71.0%	23.4%	0.6%	3.2%	0.4%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak	11:00	07:00	08:00	11:00	10:00	07:00		07:00	08:00	07:00				07:00	07:00
Vol.	11	432	138	8	27	5		10	2	1				614	43
PM Peak	18:00	17:00	16:00	13:00	17:00	12:00		15:00	13:00					17:00	13:00
Vol.	7	502	171	11	22	3		3	2					692	28
Grand Total	86	11664	3902	100	535	77	0	79	22	3	0	0	0	16468	816
Percent	0.5%	70.8%	23.7%	0.6%	3.2%	0.5%	0.0%	0.5%	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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/12/09	0	56	11	0	0	0	0	0	0	0	0	0	0	67	0
01:00	0	27	4	0	3	0	0	0	0	0	0	0	0	34	3
02:00	0	19	8	0	2	1	0	0	0	0	0	0	0	30	3
03:00	0	17	9	0	2	0	0	0	0	0	0	0	0	28	2
04:00	0	39	25	1	7	0	0	0	0	0	0	0	0	72	8
05:00	1	174	88	3	28	4	0	0	0	0	0	0	0	298	35
06:00	5	576	231	9	34	3	0	4	1	0	0	0	0	863	51
07:00	6	912	275	8	57	8	0	9	3	0	0	0	0	1278	85
08:00	3	814	258	12	44	8	0	7	1	0	0	0	0	1147	72
09:00	2	491	216	8	54	11	0	2	3	0	0	0	0	787	78
10:00	7	490	164	8	46	13	0	5	4	0	0	0	0	737	76
11:00	1	526	206	8	37	6	0	8	1	0	0	0	0	793	60
12 PM	2	622	225	5	50	2	0	4	3	0	0	0	0	913	64
13:00	3	607	224	9	40	12	0	5	2	0	0	0	0	902	68
14:00	6	722	287	7	50	5	1	6	0	0	0	0	0	1084	69
15:00	7	825	356	10	49	5	1	6	2	0	0	0	0	1261	73
16:00	6	834	313	5	53	3	0	8	1	0	0	0	0	1223	70
17:00	5	1004	299	1	35	11	0	7	0	0	0	0	0	1362	54
18:00	4	755	242	2	34	8	0	4	0	0	0	0	0	1049	48
19:00	5	545	152	0	28	3	0	4	0	0	0	0	0	737	35
20:00	3	442	128	0	24	0	0	1	0	1	0	0	0	599	26
21:00	5	319	84	0	12	1	0	0	0	0	0	0	0	421	13
22:00	0	211	53	0	7	1	0	1	1	0	0	0	0	274	10
23:00	0	133	36	0	5	0	0	0	1	0	0	0	0	175	6
Total	71	11160	3894	96	701	105	2	81	23	1	0	0	0	16134	1009
Percent	0.4%	69.2%	24.1%	0.6%	4.3%	0.7%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		6.3%
AM Peak	10:00	07:00	07:00	08:00	07:00	10:00		07:00	10:00					07:00	07:00
Vol.	7	912	275	12	57	13		9	4					1278	85
PM Peak	15:00	17:00	15:00	15:00	16:00	13:00	14:00	16:00	12:00	20:00				17:00	15:00
Vol.	7	1004	356	10	53	12	1	8	3	1				1362	73

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #14
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 North Ave (139), at Rockland T/L

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
05/13/09	0	65	19	0	2	0	0	0	0	0	0	0	0	86	2
01:00	0	34	8	0	3	0	0	0	0	0	0	0	0	45	3
02:00	0	13	3	0	3	0	0	0	0	0	0	0	0	19	3
03:00	0	19	7	1	2	0	0	0	0	0	0	0	0	29	3
04:00	3	45	18	0	7	3	0	0	0	0	0	0	0	76	10
05:00	2	173	98	3	27	1	0	0	0	0	0	0	0	304	31
06:00	5	562	204	9	42	2	0	7	1	0	0	0	0	832	61
07:00	10	933	298	4	50	8	0	13	1	1	0	0	0	1318	77
08:00	4	842	296	11	49	10	1	5	4	0	0	0	0	1222	80
09:00	5	591	251	8	49	10	0	10	3	0	0	0	0	927	80
10:00	4	522	194	6	53	8	0	4	3	1	0	0	0	795	75
11:00	16	505	191	13	41	4	2	9	3	1	0	0	0	785	73
12 PM	5	619	244	5	49	7	0	4	2	1	0	0	0	936	68
13:00	6	612	231	17	37	4	0	4	2	0	0	0	0	913	64
14:00	6	778	324	7	54	8	0	7	1	0	0	0	0	1185	77
15:00	8	912	339	14	58	14	0	7	1	0	0	0	0	1353	94
16:00	11	909	331	4	51	8	0	4	2	0	0	0	0	1320	69
17:00	13	1040	319	7	62	5	0	9	0	0	0	0	0	1455	83
18:00	9	812	230	4	39	2	0	8	0	0	0	0	0	1104	53
19:00	11	605	160	2	26	2	0	2	1	0	0	0	0	809	33
20:00	3	472	144	1	25	1	0	1	0	0	0	0	0	647	28
21:00	2	339	100	0	10	1	0	0	0	0	0	0	0	452	11
22:00	2	209	51	0	10	0	0	0	0	0	0	0	0	272	10
23:00	0	136	36	0	1	0	0	0	0	0	0	0	0	173	1
Total	125	11747	4096	116	750	98	3	94	24	4	0	0	0	17057	1089
Percent	0.7%	68.9%	24.0%	0.7%	4.4%	0.6%	0.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%		6.4%
AM Peak	11:00	07:00	07:00	11:00	10:00	08:00	11:00	07:00	08:00	07:00				07:00	08:00
Vol.	16	933	298	13	53	10	2	13	4	1				1318	80
PM Peak	17:00	17:00	15:00	13:00	17:00	15:00		17:00	12:00	12:00				17:00	15:00
Vol.	13	1040	339	17	62	14		9	2	1				1455	94
Grand Total	196	22907	7990	212	1451	203	5	175	47	5	0	0	0	33191	2098
Percent	0.6%	69.0%	24.1%	0.6%	4.4%	0.6%	0.0%	0.5%	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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

Start Time	15-Jun-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	*	*	31	41	43	37	*	*	*	*	*	*	*	*	37	39
01:00	*	*	16	22	15	20	*	*	*	*	*	*	*	*	16	21
02:00	*	*	14	10	15	13	*	*	*	*	*	*	*	*	14	12
03:00	*	*	20	18	21	24	*	*	*	*	*	*	*	*	20	21
04:00	*	*	27	27	28	25	*	*	*	*	*	*	*	*	28	26
05:00	*	*	95	66	81	76	*	*	*	*	*	*	*	*	88	71
06:00	*	*	244	221	239	218	*	*	*	*	*	*	*	*	242	220
07:00	*	*	513	349	528	352	*	*	*	*	*	*	*	*	520	350
08:00	*	*	573	501	536	452	*	*	*	*	*	*	*	*	554	476
09:00	*	*	510	398	572	438	*	*	*	*	*	*	*	*	541	418
10:00	*	*	543	455	507	499	*	*	*	*	*	*	*	*	525	477
11:00	*	*	602	496	550	543	*	*	*	*	*	*	*	*	576	520
12:00 PM	*	*	628	531	629	541	*	*	*	*	*	*	*	*	628	536
01:00	*	*	595	553	585	501	*	*	*	*	*	*	*	*	590	527
02:00	*	*	627	590	676	521	*	*	*	*	*	*	*	*	652	556
03:00	*	*	736	637	709	592	*	*	*	*	*	*	*	*	722	614
04:00	*	*	736	625	786	613	*	*	*	*	*	*	*	*	761	619
05:00	*	*	745	715	755	675	*	*	*	*	*	*	*	*	750	695
06:00	*	*	487	518	561	525	*	*	*	*	*	*	*	*	524	522
07:00	*	*	351	399	443	430	*	*	*	*	*	*	*	*	397	414
08:00	*	*	292	277	344	323	*	*	*	*	*	*	*	*	318	300
09:00	*	*	192	214	232	259	*	*	*	*	*	*	*	*	212	236
10:00	*	*	138	141	150	150	*	*	*	*	*	*	*	*	144	146
11:00	*	*	61	61	74	70	*	*	*	*	*	*	*	*	68	66
Total	0	0	8776	7865	9079	7897	0	0	0	0	0	0	0	0	8927	7882
Day	0	0	16641		16976		0	0	0	0	0	0	0	0	16809	
AM Peak			11:00	08:00	09:00	11:00									11:00	11:00
Vol.			602	501	572	543									576	520
PM Peak			17:00	17:00	16:00	17:00									16:00	17:00
Vol.			745	715	786	675									761	695

Comb. Total 0 16641 16976 0 0 0 0 16809

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

Start Time	15-Jun-09 Mon	16-Jun-09 Tue	17-Jun-09 Wed	18-Jun-09 Thu	19-Jun-09 Fri	20-Jun-09 Sat	21-Jun-09 Sun	Week Average
12:00 AM	*	72	80	*	*	*	*	76
01:00	*	38	35	*	*	*	*	36
02:00	*	24	28	*	*	*	*	26
03:00	*	38	45	*	*	*	*	42
04:00	*	54	53	*	*	*	*	54
05:00	*	161	157	*	*	*	*	159
06:00	*	465	457	*	*	*	*	461
07:00	*	862	880	*	*	*	*	871
08:00	*	1074	988	*	*	*	*	1031
09:00	*	908	1010	*	*	*	*	959
10:00	*	998	1006	*	*	*	*	1002
11:00	*	1098	1093	*	*	*	*	1096
12:00 PM	*	1159	1170	*	*	*	*	1164
01:00	*	1148	1086	*	*	*	*	1117
02:00	*	1217	1197	*	*	*	*	1207
03:00	*	1373	1301	*	*	*	*	1337
04:00	*	1361	1399	*	*	*	*	1380
05:00	*	1460	1430	*	*	*	*	1445
06:00	*	1005	1086	*	*	*	*	1046
07:00	*	750	873	*	*	*	*	812
08:00	*	569	667	*	*	*	*	618
09:00	*	406	491	*	*	*	*	448
10:00	*	279	300	*	*	*	*	290
11:00	*	122	144	*	*	*	*	133
Total	0	16641	16976	0	0	0	0	16810
Percentage	0.0%	99.0%	101.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		11:00	11:00					11:00
Vol.		1098	1093					1096
PM Peak		17:00	17:00					17:00
Vol.		1460	1430					1445

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/16/09	1	0	0	0	0	0	0	9	11	5	4	0	1	0	31
01:00	0	0	0	0	0	0	2	5	9	0	0	0	0	0	16
02:00	0	0	0	0	0	0	0	6	5	1	2	0	0	0	14
03:00	1	0	0	0	0	2	5	6	4	2	0	0	0	0	20
04:00	1	0	0	0	0	0	3	9	10	2	2	0	0	0	27
05:00	3	0	0	0	0	0	8	16	34	24	7	3	0	0	95
06:00	20	0	0	0	1	2	19	39	102	46	10	4	1	0	244
07:00	48	0	0	0	1	5	28	132	194	85	15	3	1	1	513
08:00	60	0	0	1	4	8	80	151	212	47	9	1	0	0	573
09:00	57	0	1	2	4	1	36	140	189	70	8	2	0	0	510
10:00	63	0	0	1	3	14	123	151	143	36	9	0	0	0	543
11:00	71	2	1	4	0	5	88	149	217	51	14	0	0	0	602
12 PM	78	0	0	1	0	3	59	187	225	65	9	1	0	0	628
13:00	47	0	0	0	0	5	63	193	214	58	13	2	0	0	595
14:00	61	0	0	0	0	6	61	201	235	55	7	1	0	0	627
15:00	64	0	0	0	2	7	92	275	225	60	10	1	0	0	736
16:00	58	0	0	0	4	7	73	232	273	78	10	1	0	0	736
17:00	73	0	0	0	2	7	48	226	298	73	16	2	0	0	745
18:00	22	0	0	0	0	0	38	157	170	85	12	2	1	0	487
19:00	20	0	0	0	0	0	25	98	136	56	12	1	3	0	351
20:00	21	0	0	0	0	6	25	93	104	33	9	1	0	0	292
21:00	6	0	0	0	0	2	19	59	66	33	6	0	0	1	192
22:00	4	0	0	0	0	2	26	43	39	20	4	0	0	0	138
23:00	0	0	0	0	0	0	5	18	22	11	5	0	0	0	61
Total	779	2	2	9	21	82	926	2595	3137	996	193	25	7	2	8776

Daily
 15th Percentile : 43 MPH
 50th Percentile : 50 MPH
 85th Percentile : 55 MPH
 95th Percentile : 59 MPH

 Mean Speed(Average) : 47 MPH
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 5732
 Percent in Pace : 65.3%
 Number of Vehicles > 45 MPH : 6955
 Percent of Vehicles > 45 MPH : 79.3%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/17/09	0	0	0	0	0	2	4	7	15	9	5	1	0	0	43
01:00	0	0	0	0	0	0	2	8	4	1	0	0	0	0	15
02:00	0	0	0	0	0	0	3	3	4	2	2	1	0	0	15
03:00	1	0	0	0	0	0	5	7	3	3	1	1	0	0	21
04:00	1	0	0	0	0	0	4	11	9	2	1	0	0	0	28
05:00	1	0	0	0	0	1	3	14	24	30	7	1	0	0	81
06:00	21	0	0	0	0	7	6	51	75	57	16	5	0	1	239
07:00	48	0	0	0	0	4	23	106	224	99	23	1	0	0	528
08:00	70	0	0	0	0	5	36	164	197	45	19	0	0	0	536
09:00	86	0	0	0	0	1	53	157	222	47	6	0	0	0	572
10:00	46	0	0	0	0	2	60	157	175	63	2	2	0	0	507
11:00	50	0	0	0	0	9	74	186	186	39	5	1	0	0	550
12 PM	74	0	0	0	0	5	100	202	186	57	4	0	0	1	629
13:00	65	0	0	0	0	13	124	193	135	48	6	1	0	0	585
14:00	50	0	0	0	0	8	93	235	225	60	5	0	0	0	676
15:00	66	0	0	0	1	14	134	258	189	43	4	0	0	0	709
16:00	82	0	0	0	0	5	105	259	254	69	12	0	0	0	786
17:00	76	0	0	0	0	8	108	268	227	58	6	4	0	0	755
18:00	41	0	0	0	0	5	62	202	204	41	5	1	0	0	561
19:00	20	0	0	0	1	7	50	150	153	52	9	0	1	0	443
20:00	16	0	0	0	0	3	36	121	127	37	3	0	0	1	344
21:00	9	0	0	0	0	4	43	98	58	16	3	1	0	0	232
22:00	4	0	0	0	0	2	26	52	44	16	4	2	0	0	150
23:00	1	0	0	0	0	3	6	27	22	12	1	1	1	0	74
Total	828	0	0	0	2	108	1160	2936	2962	906	149	23	2	3	9079

Daily
 15th Percentile : 42 MPH
 50th Percentile : 50 MPH
 85th Percentile : 55 MPH
 95th Percentile : 59 MPH

 Mean Speed(Average) : 47 MPH
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 5898
 Percent in Pace : 65.0%
 Number of Vehicles > 45 MPH : 6981
 Percent of Vehicles > 45 MPH : 76.9%

Grand Total	1607	2	2	9	23	190	2086	5531	6099	1902	342	48	9	5	17855
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Overall
 15th Percentile : 43 MPH
 50th Percentile : 50 MPH
 85th Percentile : 55 MPH
 95th Percentile : 59 MPH

 Mean Speed(Average) : 47 MPH
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 11630
 Percent in Pace : 65.1%
 Number of Vehicles > 45 MPH : 13936
 Percent of Vehicles > 45 MPH : 78.1%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/16/09	20	0	0	0	0	0	13	6	2	0	0	0	0	0	41
01:00	13	0	0	0	0	2	1	5	0	1	0	0	0	0	22
02:00	5	0	0	0	0	0	4	0	1	0	0	0	0	0	10
03:00	8	0	0	0	0	3	5	2	0	0	0	0	0	0	18
04:00	11	0	0	0	0	2	8	5	1	0	0	0	0	0	27
05:00	29	0	0	0	0	1	16	16	3	1	0	0	0	0	66
06:00	96	0	0	0	0	8	60	51	6	0	0	0	0	0	221
07:00	138	0	0	0	1	7	111	76	15	1	0	0	0	0	349
08:00	192	0	0	0	1	31	182	85	10	0	0	0	0	0	501
09:00	141	0	3	1	4	21	133	88	7	0	0	0	0	0	398
10:00	150	0	4	15	32	87	117	45	5	0	0	0	0	0	455
11:00	263	0	0	0	0	17	126	84	6	0	0	0	0	0	496
12 PM	240	0	0	0	1	22	180	75	12	1	0	0	0	0	531
13:00	133	0	0	0	1	26	209	162	20	2	0	0	0	0	553
14:00	133	0	0	0	2	19	219	176	36	5	0	0	0	0	590
15:00	121	0	0	0	0	33	228	209	40	6	0	0	0	0	637
16:00	122	0	0	0	2	14	181	227	69	10	0	0	0	0	625
17:00	99	0	0	0	1	22	265	271	55	2	0	0	0	0	715
18:00	85	0	0	0	1	17	204	175	31	4	1	0	0	0	518
19:00	94	0	0	0	0	11	146	127	20	1	0	0	0	0	399
20:00	68	0	0	0	1	12	125	64	7	0	0	0	0	0	277
21:00	62	0	0	1	0	18	90	36	7	0	0	0	0	0	214
22:00	56	0	0	0	0	10	45	27	3	0	0	0	0	0	141
23:00	32	0	0	0	0	2	14	9	4	0	0	0	0	0	61
Total	2311	0	7	17	47	385	2682	2021	360	34	1	0	0	0	7865

Daily
 15th Percentile : 8 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 51 MPH

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 4703
 Percent in Pace : 59.8%
 Number of Vehicles > 45 MPH : 2416
 Percent of Vehicles > 45 MPH : 30.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/17/09	16	0	0	0	0	4	10	5	1	1	0	0	0	0	37
01:00	9	0	0	0	0	1	6	3	0	1	0	0	0	0	20
02:00	4	0	1	1	0	3	2	2	0	0	0	0	0	0	13
03:00	8	0	0	0	0	0	6	9	1	0	0	0	0	0	24
04:00	11	0	0	0	0	2	2	6	4	0	0	0	0	0	25
05:00	39	0	0	0	0	0	15	18	3	1	0	0	0	0	76
06:00	120	0	0	0	0	2	47	40	9	0	0	0	0	0	218
07:00	174	0	0	0	0	11	97	51	18	1	0	0	0	0	352
08:00	203	0	0	0	0	11	141	85	12	0	0	0	0	0	452
09:00	209	0	0	0	0	16	112	89	11	1	0	0	0	0	438
10:00	155	0	0	0	3	19	161	140	19	2	0	0	0	0	499
11:00	132	0	0	0	3	19	188	167	33	1	0	0	0	0	543
12 PM	171	0	0	0	0	29	164	138	35	3	0	0	0	1	541
13:00	136	0	0	0	0	13	142	166	39	5	0	0	0	0	501
14:00	156	0	0	0	1	22	139	158	43	2	0	0	0	0	521
15:00	137	0	0	4	0	19	190	191	46	5	0	0	0	0	592
16:00	145	0	0	0	0	16	172	223	50	7	0	0	0	0	613
17:00	152	0	0	0	1	18	200	232	66	6	0	0	0	0	675
18:00	93	0	0	0	0	18	152	207	50	5	0	0	0	0	525
19:00	54	0	0	0	3	8	138	162	63	2	0	0	0	0	430
20:00	36	0	0	0	3	13	98	143	26	4	0	0	0	0	323
21:00	27	0	0	0	1	4	99	92	34	2	0	0	0	0	259
22:00	9	0	0	0	0	4	65	50	21	1	0	0	0	0	150
23:00	5	0	0	0	0	1	24	25	10	5	0	0	0	0	70
Total	2201	0	1	5	15	253	2370	2402	594	55	0	0	0	1	7897

Daily
 15th Percentile : 9 MPH
 50th Percentile : 44 MPH
 85th Percentile : 49 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 4772
 Percent in Pace : 60.4%
 Number of Vehicles > 45 MPH : 3052
 Percent of Vehicles > 45 MPH : 38.6%

Grand Total	4512	0	8	22	62	638	5052	4423	954	89	1	0	0	1	15762
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Overall
 15th Percentile : 8 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 52 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 9475
 Percent in Pace : 60.1%
 Number of Vehicles > 45 MPH : 5468
 Percent of Vehicles > 45 MPH : 34.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

WB, 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
06/16/09	21	0	0	0	0	0	13	15	13	5	4	0	1	0	72
01:00	13	0	0	0	0	2	3	10	9	1	0	0	0	0	38
02:00	5	0	0	0	0	0	4	6	6	1	2	0	0	0	24
03:00	9	0	0	0	0	5	10	8	4	2	0	0	0	0	38
04:00	12	0	0	0	0	2	11	14	11	2	2	0	0	0	54
05:00	32	0	0	0	0	1	24	32	37	25	7	3	0	0	161
06:00	116	0	0	0	1	10	79	90	108	46	10	4	1	0	465
07:00	186	0	0	0	2	12	139	208	209	86	15	3	1	1	862
08:00	252	0	0	1	5	39	262	236	222	47	9	1	0	0	1074
09:00	198	0	4	3	8	22	169	228	196	70	8	2	0	0	908
10:00	213	0	4	16	35	101	240	196	148	36	9	0	0	0	998
11:00	334	2	1	4	0	22	214	233	223	51	14	0	0	0	1098
12 PM	318	0	0	1	1	25	239	262	237	66	9	1	0	0	1159
13:00	180	0	0	0	1	31	272	355	234	60	13	2	0	0	1148
14:00	194	0	0	0	2	25	280	377	271	60	7	1	0	0	1217
15:00	185	0	0	0	2	40	320	484	265	66	10	1	0	0	1373
16:00	180	0	0	0	6	21	254	459	342	88	10	1	0	0	1361
17:00	172	0	0	0	3	29	313	497	353	75	16	2	0	0	1460
18:00	107	0	0	0	1	17	242	332	201	89	13	2	1	0	1005
19:00	114	0	0	0	0	11	171	225	156	57	12	1	3	0	750
20:00	89	0	0	0	1	18	150	157	111	33	9	1	0	0	569
21:00	68	0	0	1	0	20	109	95	73	33	6	0	0	1	406
22:00	60	0	0	0	0	12	71	70	42	20	4	0	0	0	279
23:00	32	0	0	0	0	2	19	27	26	11	5	0	0	0	122
Total	3090	2	9	26	68	467	3608	4616	3497	1030	194	25	7	2	16641

Daily
 15th Percentile : 13 MPH
 50th Percentile : 47 MPH
 85th Percentile : 54 MPH
 95th Percentile : 58 MPH

 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 8224
 Percent in Pace : 49.4%
 Number of Vehicles > 45 MPH : 9371
 Percent of Vehicles > 45 MPH : 56.3%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

WB, 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
06/17/09	16	0	0	0	0	6	14	12	16	10	5	1	0	0	80
01:00	9	0	0	0	0	1	8	11	4	2	0	0	0	0	35
02:00	4	0	1	1	0	3	5	5	4	2	2	1	0	0	28
03:00	9	0	0	0	0	0	11	16	4	3	1	1	0	0	45
04:00	12	0	0	0	0	2	6	17	13	2	1	0	0	0	53
05:00	40	0	0	0	0	1	18	32	27	31	7	1	0	0	157
06:00	141	0	0	0	0	9	53	91	84	57	16	5	0	1	457
07:00	222	0	0	0	0	15	120	157	242	100	23	1	0	0	880
08:00	273	0	0	0	0	16	177	249	209	45	19	0	0	0	988
09:00	295	0	0	0	0	17	165	246	233	48	6	0	0	0	1010
10:00	201	0	0	0	3	21	221	297	194	65	2	2	0	0	1006
11:00	182	0	0	0	3	28	262	353	219	40	5	1	0	0	1093
12 PM	245	0	0	0	0	34	264	340	221	60	4	0	0	2	1170
13:00	201	0	0	0	0	26	266	359	174	53	6	1	0	0	1086
14:00	206	0	0	0	1	30	232	393	268	62	5	0	0	0	1197
15:00	203	0	0	4	1	33	324	449	235	48	4	0	0	0	1301
16:00	227	0	0	0	0	21	277	482	304	76	12	0	0	0	1399
17:00	228	0	0	0	1	26	308	500	293	64	6	4	0	0	1430
18:00	134	0	0	0	0	23	214	409	254	46	5	1	0	0	1086
19:00	74	0	0	0	4	15	188	312	216	54	9	0	1	0	873
20:00	52	0	0	0	3	16	134	264	153	41	3	0	0	1	667
21:00	36	0	0	0	1	8	142	190	92	18	3	1	0	0	491
22:00	13	0	0	0	0	6	91	102	65	17	4	2	0	0	300
23:00	6	0	0	0	0	4	30	52	32	17	1	1	1	0	144
Total	3029	0	1	5	17	361	3530	5338	3556	961	149	23	2	4	16976

Daily
 15th Percentile : 13 MPH
 50th Percentile : 47 MPH
 85th Percentile : 54 MPH
 95th Percentile : 57 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 46-55 MPH
 Number in Pace : 8894
 Percent in Pace : 52.4%
 Number of Vehicles > 45 MPH : 10033
 Percent of Vehicles > 45 MPH : 59.1%

Grand Total	6119	2	10	31	85	828	7138	9954	7053	1991	343	48	9	6	33617
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Overall
 15th Percentile : 13 MPH
 50th Percentile : 47 MPH
 85th Percentile : 54 MPH
 95th Percentile : 57 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 17092
 Percent in Pace : 50.8%
 Number of Vehicles > 45 MPH : 19404
 Percent of Vehicles > 45 MPH : 57.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/16/09	0	15	11	0	5	0	0	0	0	0	0	0	0	31	5
01:00	0	10	4	0	1	0	0	0	1	0	0	0	0	16	2
02:00	0	8	4	0	2	0	0	0	0	0	0	0	0	14	2
03:00	0	11	7	0	1	1	0	0	0	0	0	0	0	20	2
04:00	1	17	4	0	3	2	0	0	0	0	0	0	0	27	5
05:00	0	35	42	0	17	0	0	1	0	0	0	0	0	95	18
06:00	0	116	85	2	37	2	0	0	1	0	0	0	0	243	42
07:00	0	242	185	2	73	5	1	2	2	0	0	0	0	512	85
08:00	2	273	207	8	74	4	0	3	1	0	0	0	0	572	90
09:00	0	232	201	4	60	7	0	6	0	0	0	0	0	510	77
10:00	0	253	207	10	64	4	0	3	1	0	0	0	0	542	82
11:00	1	293	227	9	65	4	0	3	0	0	0	0	0	602	81
12 PM	3	293	247	4	76	0	0	3	1	0	0	0	0	627	84
13:00	1	274	246	5	60	3	1	4	0	0	0	0	0	594	73
14:00	2	306	249	2	59	3	0	4	2	0	0	0	0	627	70
15:00	6	358	263	6	98	1	0	3	1	0	0	0	0	736	109
16:00	3	350	301	2	72	2	0	4	2	0	0	0	0	736	82
17:00	2	401	269	3	68	0	0	1	0	0	0	0	0	744	72
18:00	4	255	178	0	49	0	0	1	0	0	0	0	0	487	50
19:00	2	165	157	0	26	0	0	0	0	0	0	0	0	350	26
20:00	2	152	109	0	27	0	0	1	0	0	0	0	0	291	28
21:00	1	105	71	0	15	0	0	0	0	0	0	0	0	192	15
22:00	0	79	47	2	9	0	0	0	0	0	0	0	0	137	11
23:00	0	34	21	0	6	0	0	0	0	0	0	0	0	61	6
Total	30	4277	3342	59	967	38	2	39	12	0	0	0	0	8766	1117
Percent	0.3%	48.8%	38.1%	0.7%	11.0%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		12.7%
AM Peak	08:00	11:00	11:00	10:00	08:00	09:00	07:00	09:00	07:00					11:00	08:00
Vol.	2	293	227	10	74	7	1	6	2					602	90
PM Peak	15:00	17:00	16:00	15:00	15:00	13:00	13:00	13:00	14:00					17:00	15:00
Vol.	6	401	301	6	98	3	1	4	2					744	109

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

WB	Start Time	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
	06/17/09	0	18	21	1	3	0	0	0	0	0	0	0	43	4
	01:00	0	10	3	0	2	0	0	0	0	0	0	0	15	2
	02:00	0	5	6	1	3	0	0	0	0	0	0	0	15	4
	03:00	0	13	6	1	0	0	0	1	0	0	0	0	21	2
	04:00	0	15	9	0	4	0	0	0	0	0	0	0	28	4
	05:00	0	30	34	1	13	2	0	1	0	0	0	0	81	17
	06:00	1	92	98	4	41	0	0	2	0	0	0	0	238	47
	07:00	0	249	208	3	62	1	1	2	0	0	0	0	527	70
	08:00	1	252	206	5	63	2	0	5	1	0	0	0	535	76
	09:00	1	273	225	9	57	1	0	5	0	0	0	0	571	72
	10:00	0	219	213	4	66	1	0	2	1	0	0	0	506	74
	11:00	4	280	198	4	52	7	1	2	0	0	0	0	548	66
	12 PM	6	335	225	6	53	1	0	2	0	0	0	0	628	62
	13:00	2	299	209	5	64	2	0	4	0	0	0	0	585	75
	14:00	7	326	242	4	84	1	0	7	3	0	0	0	674	99
	15:00	3	387	221	3	82	2	0	10	1	0	0	0	709	98
	16:00	6	428	268	2	75	2	0	5	0	0	0	0	786	84
	17:00	5	421	272	2	53	0	0	1	0	0	0	0	754	56
	18:00	4	314	194	0	46	1	0	1	0	0	0	0	560	48
	19:00	2	231	172	0	33	0	0	3	1	0	0	0	442	37
	20:00	4	184	130	0	24	0	0	2	0	0	0	0	344	26
	21:00	2	137	76	0	17	0	0	1	0	0	0	0	233	18
	22:00	1	93	45	1	9	0	0	0	0	0	0	0	149	10
	23:00	0	50	18	1	5	0	0	0	0	0	0	0	74	6
	Total	49	4661	3299	57	911	23	2	53	11	0	0	0	9066	1057
	Percent	0.5%	51.4%	36.4%	0.6%	10.0%	0.3%	0.0%	0.6%	0.1%	0.0%	0.0%	0.0%		11.7%
	AM Peak	11:00	11:00	09:00	09:00	10:00	11:00	07:00	08:00	07:00				09:00	08:00
	Vol.	4	280	225	9	66	7	1	5	2				571	76
	PM Peak	14:00	16:00	17:00	12:00	14:00	13:00	15:00	14:00					16:00	14:00
	Vol.	7	428	272	6	84	2	10	3					786	99
	Grand Total	79	8938	6641	116	1878	61	4	92	23	0	0	0	17832	2174
	Percent	0.4%	50.1%	37.2%	0.7%	10.5%	0.3%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%		12.2%

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

Community: Pembroke
Com #_U/RFC: 231_U3
Recorder #: Jamar #10
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 231
Date Start: 16-Jun-09
Date End: 17-Jun-09
Schooset (139), east of Washington (53)

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
06/16/09	0	32	7	0	1	0	0	0	0	0	0	0	0	40	1
01:00	0	15	6	0	1	0	0	0	0	0	0	0	0	22	1
02:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9	0
03:00	0	14	3	0	1	0	0	0	0	0	0	0	0	18	1
04:00	0	20	6	0	1	0	0	0	0	0	0	0	0	27	1
05:00	0	41	22	0	2	0	0	0	0	0	0	0	0	65	2
06:00	1	138	64	2	14	1	0	1	0	0	0	0	0	221	18
07:00	0	244	78	2	21	0	0	3	0	0	0	0	0	348	26
08:00	0	364	103	4	28	0	0	0	0	0	0	0	0	499	32
09:00	0	306	72	2	14	1	0	1	0	0	0	0	0	396	18
10:00	0	329	100	4	20	1	0	0	0	0	0	0	0	454	25
11:00	0	351	114	4	24	0	0	0	0	0	0	0	0	493	28
12 PM	0	386	113	6	24	0	0	0	0	0	0	0	0	529	30
13:00	0	413	109	3	24	0	0	2	0	0	0	0	0	551	29
14:00	0	451	108	3	25	0	0	1	0	0	0	0	0	588	29
15:00	1	490	119	3	21	0	0	1	0	0	0	0	0	635	25
16:00	0	498	104	2	16	1	0	2	1	0	0	0	0	624	22
17:00	0	564	120	1	29	0	0	0	0	0	0	0	0	714	30
18:00	0	405	100	1	12	0	0	0	0	0	0	0	0	518	13
19:00	0	325	60	1	12	0	0	0	0	0	0	0	0	398	13
20:00	0	214	55	1	7	0	0	0	0	0	0	0	0	277	8
21:00	0	172	35	1	5	0	0	0	0	0	0	0	0	213	6
22:00	0	114	22	1	4	0	0	0	0	0	0	0	0	141	5
23:00	0	46	12	0	2	0	0	0	0	0	0	0	0	60	2
Total	2	5939	1534	41	308	4	0	11	1	0	0	0	0	7840	365
Percent	0.0%	75.8%	19.6%	0.5%	3.9%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		4.7%
AM Peak	06:00	08:00	11:00	08:00	08:00	06:00		07:00						08:00	08:00
Vol.	1	364	114	4	28	1		3						499	32
PM Peak	15:00	17:00	17:00	12:00	17:00	16:00		13:00	16:00					17:00	12:00
Vol.	1	564	120	6	29	1		2	1					714	30

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/16/09	0	47	18	0	6	0	0	0	0	0	0	0	0	71	6
01:00	0	25	10	0	2	0	0	0	1	0	0	0	0	38	3
02:00	0	15	6	0	2	0	0	0	0	0	0	0	0	23	2
03:00	0	25	10	0	2	1	0	0	0	0	0	0	0	38	3
04:00	1	37	10	0	4	2	0	0	0	0	0	0	0	54	6
05:00	0	76	64	0	19	0	0	1	0	0	0	0	0	160	20
06:00	1	254	149	4	51	3	0	1	1	0	0	0	0	464	60
07:00	0	486	263	4	94	5	1	5	2	0	0	0	0	860	111
08:00	2	637	310	12	102	4	0	3	1	0	0	0	0	1071	122
09:00	0	538	273	6	74	8	0	7	0	0	0	0	0	906	95
10:00	0	582	307	14	84	5	0	3	1	0	0	0	0	996	107
11:00	1	644	341	13	89	4	0	3	0	0	0	0	0	1095	109
12 PM	3	679	360	10	100	0	0	3	1	0	0	0	0	1156	114
13:00	1	687	355	8	84	3	1	6	0	0	0	0	0	1145	102
14:00	2	757	357	5	84	3	0	5	2	0	0	0	0	1215	99
15:00	7	848	382	9	119	1	0	4	1	0	0	0	0	1371	134
16:00	3	848	405	4	88	3	0	6	3	0	0	0	0	1360	104
17:00	2	965	389	4	97	0	0	1	0	0	0	0	0	1458	102
18:00	4	660	278	1	61	0	0	1	0	0	0	0	0	1005	63
19:00	2	490	217	1	38	0	0	0	0	0	0	0	0	748	39
20:00	2	366	164	1	34	0	0	1	0	0	0	0	0	568	36
21:00	1	277	106	1	20	0	0	0	0	0	0	0	0	405	21
22:00	0	193	69	3	13	0	0	0	0	0	0	0	0	278	16
23:00	0	80	33	0	8	0	0	0	0	0	0	0	0	121	8
Total	32	10216	4876	100	1275	42	2	50	13	0	0	0	0	16606	1482
Percent	0.2%	61.5%	29.4%	0.6%	7.7%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		8.9%
AM Peak	08:00	11:00	11:00	10:00	08:00	09:00	07:00	09:00	07:00					11:00	08:00
Vol.	2	644	341	14	102	8	1	7	2					1095	122
PM Peak	15:00	17:00	16:00	12:00	15:00	13:00	13:00	13:00	16:00					17:00	15:00
Vol.	7	965	405	10	119	3	1	6	3					1458	134

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Schooset (139), east of Washington (53)

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
06/17/09	0	46	29	1	4	0	0	0	0	0	0	0	0	80	5
01:00	0	26	7	0	3	0	0	0	0	0	0	0	0	36	3
02:00	0	14	8	2	3	0	0	0	0	0	0	0	0	27	5
03:00	0	32	10	1	1	0	0	0	1	0	0	0	0	45	3
04:00	0	29	17	1	6	0	0	0	0	0	0	0	0	53	7
05:00	0	78	54	1	19	2	0	1	1	0	0	0	0	156	24
06:00	1	227	163	5	55	0	0	3	0	0	0	0	0	454	63
07:00	0	484	300	5	81	1	1	3	2	0	0	0	0	877	93
08:00	1	583	296	10	85	2	0	7	1	0	0	0	0	985	105
09:00	1	583	325	12	80	1	0	6	0	0	0	0	0	1008	99
10:00	0	578	321	9	90	2	0	3	1	0	0	0	0	1004	105
11:00	4	684	311	7	70	7	1	5	0	0	0	0	0	1089	90
12 PM	6	747	323	10	75	2	0	5	0	0	0	0	0	1168	92
13:00	2	669	317	6	83	3	0	4	0	0	0	0	0	1084	96
14:00	7	703	357	9	105	2	0	8	3	0	0	0	0	1194	127
15:00	3	841	333	5	102	2	0	13	1	0	0	0	0	1300	123
16:00	6	875	400	5	102	3	0	6	0	0	0	0	0	1397	116
17:00	5	957	387	4	73	0	0	2	0	0	0	0	0	1428	79
18:00	4	744	273	1	57	1	0	5	0	0	0	0	0	1085	64
19:00	2	582	235	1	47	0	0	4	1	0	0	0	0	872	53
20:00	4	465	163	0	31	0	0	3	0	0	0	0	0	666	34
21:00	3	351	116	0	21	0	0	1	0	0	0	0	0	492	22
22:00	1	222	63	1	12	0	0	0	1	0	0	0	0	300	14
23:00	0	107	28	1	5	0	0	2	0	0	0	0	0	143	8
Total	50	10627	4836	97	1210	28	2	81	12	0	0	0	0	16943	1430
Percent	0.3%	62.7%	28.5%	0.6%	7.1%	0.2%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		8.4%
AM Peak	11:00	11:00	09:00	09:00	10:00	11:00	07:00	08:00	07:00					11:00	08:00
Vol.	4	684	325	12	90	7	1	7	2					1089	105
PM Peak	14:00	17:00	16:00	12:00	14:00	13:00		15:00	14:00					17:00	14:00
Vol.	7	957	400	10	105	3		13	3					1428	127
Grand Total	82	20843	9712	197	2485	70	4	131	25	0	0	0	0	33549	2912
Percent	0.2%	62.1%	28.9%	0.6%	7.4%	0.2%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		8.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water St

Start Time	15-Jun-09		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	*	*	49	56	43	62	*	*	*	*	*	*	*	*	46	59
01:00	*	*	24	23	27	31	*	*	*	*	*	*	*	*	26	27
02:00	*	*	10	22	15	21	*	*	*	*	*	*	*	*	12	22
03:00	*	*	26	26	30	22	*	*	*	*	*	*	*	*	28	24
04:00	*	*	41	29	42	31	*	*	*	*	*	*	*	*	42	30
05:00	*	*	128	95	128	81	*	*	*	*	*	*	*	*	128	88
06:00	*	*	349	271	351	270	*	*	*	*	*	*	*	*	350	270
07:00	*	*	563	548	542	556	*	*	*	*	*	*	*	*	552	552
08:00	*	*	699	623	681	590	*	*	*	*	*	*	*	*	690	606
09:00	*	*	600	561	680	631	*	*	*	*	*	*	*	*	640	596
10:00	*	*	639	617	663	609	*	*	*	*	*	*	*	*	651	613
11:00	*	*	651	699	675	651	*	*	*	*	*	*	*	*	663	675
12:00 PM	*	*	733	743	726	751	*	*	*	*	*	*	*	*	730	747
01:00	*	*	732	700	649	692	*	*	*	*	*	*	*	*	690	696
02:00	*	*	744	772	667	819	*	*	*	*	*	*	*	*	706	796
03:00	*	*	797	915	759	896	*	*	*	*	*	*	*	*	778	906
04:00	*	*	801	944	790	961	*	*	*	*	*	*	*	*	796	952
05:00	*	*	882	957	885	928	*	*	*	*	*	*	*	*	884	942
06:00	*	*	626	636	663	752	*	*	*	*	*	*	*	*	644	694
07:00	*	*	488	479	529	586	*	*	*	*	*	*	*	*	508	532
08:00	*	*	376	403	411	471	*	*	*	*	*	*	*	*	394	437
09:00	*	*	266	277	312	350	*	*	*	*	*	*	*	*	289	314
10:00	*	*	165	210	164	222	*	*	*	*	*	*	*	*	164	216
11:00	*	*	83	101	78	103	*	*	*	*	*	*	*	*	80	102
Total	0	0	10472	10707	10510	11086	0	0	0	0	0	0	0	0	10491	10896
Day	0	0	21179		21596		0	0	0	0	0	0	0	0	21387	
AM Peak			08:00	11:00	08:00	11:00									08:00	11:00
Vol.			699	699	681	651									690	675
PM Peak			17:00	17:00	17:00	16:00									17:00	16:00
Vol.			882	957	885	961									884	952

Comb. Total 0 21179 21596 0 0 0 0 21387

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water St

Start Time	15-Jun-09 Mon	16-Jun-09 Tue	17-Jun-09 Wed	18-Jun-09 Thu	19-Jun-09 Fri	20-Jun-09 Sat	21-Jun-09 Sun	Week Average
12:00 AM	*	105	105	*	*	*	*	105
01:00	*	47	58	*	*	*	*	52
02:00	*	32	36	*	*	*	*	34
03:00	*	52	52	*	*	*	*	52
04:00	*	70	73	*	*	*	*	72
05:00	*	223	209	*	*	*	*	216
06:00	*	620	621	*	*	*	*	620
07:00	*	1111	1098	*	*	*	*	1104
08:00	*	1322	1271	*	*	*	*	1296
09:00	*	1161	1311	*	*	*	*	1236
10:00	*	1256	1272	*	*	*	*	1264
11:00	*	1350	1326	*	*	*	*	1338
12:00 PM	*	1476	1477	*	*	*	*	1476
01:00	*	1432	1341	*	*	*	*	1386
02:00	*	1516	1486	*	*	*	*	1501
03:00	*	1712	1655	*	*	*	*	1684
04:00	*	1745	1751	*	*	*	*	1748
05:00	*	1839	1813	*	*	*	*	1826
06:00	*	1262	1415	*	*	*	*	1338
07:00	*	967	1115	*	*	*	*	1041
08:00	*	779	882	*	*	*	*	830
09:00	*	543	662	*	*	*	*	602
10:00	*	375	386	*	*	*	*	380
11:00	*	184	181	*	*	*	*	182
Total	0	21179	21596	0	0	0	0	21383
Percentage	0.0%	99.0%	101.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		11:00	11:00					11:00
Vol.		1350	1326					1338
PM Peak		17:00	17:00					17:00
Vol.		1839	1813					1826

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/16/09	0	0	0	0	0	3	8	19	13	1	3	1	1	0	49
01:00	0	0	0	0	0	3	8	4	5	3	0	0	1	0	24
02:00	0	0	0	0	0	0	2	3	2	2	1	0	0	0	10
03:00	0	0	0	0	0	3	7	9	4	2	1	0	0	0	26
04:00	1	0	0	0	0	0	4	13	13	9	1	0	0	0	41
05:00	2	0	0	0	0	0	14	37	45	22	7	1	0	0	128
06:00	10	0	0	0	0	6	58	140	90	36	6	3	0	0	349
07:00	31	0	0	0	3	9	140	210	129	35	4	2	0	0	563
08:00	39	0	0	0	1	24	206	243	154	29	3	0	0	0	699
09:00	37	0	0	0	1	29	149	225	135	21	3	0	0	0	600
10:00	35	1	0	0	5	52	240	211	87	6	2	0	0	0	639
11:00	34	0	0	5	21	36	206	236	93	18	2	0	0	0	651
12 PM	65	0	0	1	2	36	212	285	113	16	2	1	0	0	733
13:00	57	0	0	0	1	22	207	289	134	20	2	0	0	0	732
14:00	64	0	0	0	2	41	223	292	106	13	2	1	0	0	744
15:00	65	0	0	0	5	65	241	261	137	20	3	0	0	0	797
16:00	70	0	0	0	2	19	213	321	158	18	0	0	0	0	801
17:00	70	0	0	0	0	40	271	337	146	14	1	0	0	3	882
18:00	37	0	0	0	6	16	163	249	124	30	1	0	0	0	626
19:00	18	0	0	0	0	9	100	188	142	28	3	0	0	0	488
20:00	7	0	0	0	2	18	117	136	72	22	2	0	0	0	376
21:00	5	0	0	0	0	10	104	96	41	9	1	0	0	0	266
22:00	4	0	0	0	0	9	45	58	44	5	0	0	0	0	165
23:00	0	0	0	0	1	1	18	35	20	6	1	0	0	1	83
Total	651	1	0	6	52	451	2956	3897	2007	385	51	9	2	4	10472

Daily
 15th Percentile : 41 MPH
 50th Percentile : 47 MPH
 85th Percentile : 53 MPH
 95th Percentile : 55 MPH

 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6853
 Percent in Pace : 65.4%
 Number of Vehicles > 45 MPH : 6355
 Percent of Vehicles > 45 MPH : 60.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	0	0	0	0	1	6	13	15	6	1	1	0	0	43
01:00	0	0	0	0	1	1	7	5	6	5	1	1	0	0	27
02:00	0	0	0	0	1	2	1	6	2	3	0	0	0	0	15
03:00	0	0	0	0	0	0	10	9	8	3	0	0	0	0	30
04:00	0	0	0	0	1	0	4	11	14	9	3	0	0	0	42
05:00	1	0	0	0	0	3	11	32	55	22	4	0	0	0	128
06:00	12	0	0	0	0	7	49	140	104	32	7	0	0	0	351
07:00	19	0	0	0	0	11	109	192	164	41	6	0	0	0	542
08:00	27	0	0	1	1	6	161	290	165	28	2	0	0	0	681
09:00	41	0	0	0	3	24	145	266	168	27	4	2	0	0	680
10:00	37	0	0	1	5	31	171	257	143	14	4	0	0	0	663
11:00	43	0	0	1	21	40	212	238	102	14	3	0	1	0	675
12 PM	57	0	0	0	4	23	245	259	126	11	0	1	0	0	726
13:00	52	0	0	1	2	18	144	272	138	18	3	1	0	0	649
14:00	51	0	0	0	5	19	170	260	136	21	5	0	0	0	667
15:00	64	0	0	0	2	22	208	317	122	21	2	0	0	1	759
16:00	80	0	0	1	1	33	210	288	138	36	1	1	1	0	790
17:00	83	0	0	0	1	46	295	285	156	19	0	0	0	0	885
18:00	41	0	0	1	4	20	149	267	149	25	7	0	0	0	663
19:00	33	0	0	0	0	9	90	224	138	33	2	0	0	0	529
20:00	13	0	0	0	1	22	109	157	88	18	3	0	0	0	411
21:00	7	0	0	0	2	18	93	103	78	10	1	0	0	0	312
22:00	3	0	0	0	0	5	50	50	47	5	3	1	0	0	164
23:00	0	0	0	0	0	5	17	24	19	8	3	1	0	1	78
Total	664	0	0	6	55	366	2666	3965	2281	429	65	9	2	2	10510

Daily
 15th Percentile : 41 MPH
 50th Percentile : 47 MPH
 85th Percentile : 53 MPH
 95th Percentile : 55 MPH

 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6631
 Percent in Pace : 63.1%
 Number of Vehicles > 45 MPH : 6753
 Percent of Vehicles > 45 MPH : 64.3%

Grand Total	1315	1	0	12	107	817	5622	7862	4288	814	116	18	4	6	20982
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Overall
 15th Percentile : 41 MPH
 50th Percentile : 47 MPH
 85th Percentile : 53 MPH
 95th Percentile : 55 MPH

 Mean Speed(Average) : 45 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 13484
 Percent in Pace : 64.3%
 Number of Vehicles > 45 MPH : 13108
 Percent of Vehicles > 45 MPH : 62.5%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/16/09	3	0	0	0	0	5	23	14	9	1	1	0	0	0	56
01:00	0	0	0	0	1	0	13	6	3	0	0	0	0	0	23
02:00	0	0	0	0	0	4	6	9	3	0	0	0	0	0	22
03:00	1	0	0	0	0	4	12	6	3	0	0	0	0	0	26
04:00	0	0	0	0	1	3	8	13	3	1	0	0	0	0	29
05:00	2	0	0	0	0	5	35	36	14	3	0	0	0	0	95
06:00	12	0	0	0	3	12	88	108	44	4	0	0	0	0	271
07:00	45	0	0	0	14	64	227	148	44	6	0	0	0	0	548
08:00	52	0	0	3	23	99	242	161	41	2	0	0	0	0	623
09:00	26	0	0	1	7	60	231	185	48	3	0	0	0	0	561
10:00	38	1	0	0	13	84	272	163	41	4	1	0	0	0	617
11:00	33	0	2	9	51	135	307	130	29	1	2	0	0	0	699
12 PM	61	1	0	0	44	153	303	141	37	3	0	0	0	0	743
13:00	62	0	0	5	16	121	298	159	36	2	1	0	0	0	700
14:00	72	2	2	9	55	192	294	121	24	1	0	0	0	0	772
15:00	78	0	0	2	22	188	368	198	54	4	1	0	0	0	915
16:00	67	0	0	3	16	173	414	224	42	5	0	0	0	0	944
17:00	75	0	0	3	26	160	390	239	56	5	3	0	0	0	957
18:00	34	0	0	0	1	84	259	207	44	6	1	0	0	0	636
19:00	22	0	0	0	5	50	199	149	47	6	1	0	0	0	479
20:00	11	0	0	0	7	47	195	114	25	1	3	0	0	0	403
21:00	9	0	0	0	1	58	123	71	13	1	1	0	0	0	277
22:00	5	0	0	0	7	51	95	42	9	1	0	0	0	0	210
23:00	3	0	0	0	2	3	39	36	15	3	0	0	0	0	101
Total	711	4	4	35	315	1755	4441	2680	684	63	15	0	0	0	10707

Daily
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 52 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7121
 Percent in Pace : 66.5%
 Number of Vehicles > 45 MPH : 3442
 Percent of Vehicles > 45 MPH : 32.1%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	0	0	0	0	11	23	21	5	2	0	0	0	0	62
01:00	0	0	0	0	1	3	15	6	4	2	0	0	0	0	31
02:00	0	0	0	0	1	3	6	8	3	0	0	0	0	0	21
03:00	0	0	0	0	0	6	6	10	0	0	0	0	0	0	22
04:00	0	0	0	0	2	0	15	9	3	2	0	0	0	0	31
05:00	3	0	0	0	0	4	22	31	18	2	1	0	0	0	81
06:00	13	0	0	0	0	8	92	102	41	11	3	0	0	0	270
07:00	23	0	0	0	8	38	222	197	59	6	3	0	0	0	556
08:00	24	0	0	0	11	79	263	153	56	4	0	0	0	0	590
09:00	35	0	0	0	19	91	286	166	31	3	0	0	0	0	631
10:00	38	0	0	0	19	108	262	156	24	2	0	0	0	0	609
11:00	54	0	0	3	22	128	300	118	23	3	0	0	0	0	651
12 PM	63	0	0	2	49	201	297	112	26	1	0	0	0	0	751
13:00	54	0	0	3	43	156	288	123	23	2	0	0	0	0	692
14:00	71	0	0	5	49	191	334	132	35	2	0	0	0	0	819
15:00	76	0	0	16	75	182	360	161	24	2	0	0	0	0	896
16:00	68	0	0	1	37	174	451	192	37	1	0	0	0	0	961
17:00	73	0	0	1	33	202	385	187	44	3	0	0	0	0	928
18:00	53	1	0	1	15	107	346	178	48	3	0	0	0	0	752
19:00	30	0	0	0	2	82	297	143	27	4	1	0	0	0	586
20:00	22	0	0	0	6	68	235	114	25	1	0	0	0	0	471
21:00	8	0	0	0	18	87	163	61	11	2	0	0	0	0	350
22:00	10	0	0	0	1	19	116	57	16	3	0	0	0	0	222
23:00	1	0	0	1	3	11	45	31	11	0	0	0	0	0	103
Total	719	1	0	33	414	1959	4829	2468	594	61	8	0	0	0	11086

Daily
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 48 MPH
 95th Percentile : 51 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7297
 Percent in Pace : 65.8%
 Number of Vehicles > 45 MPH : 3131
 Percent of Vehicles > 45 MPH : 28.2%

Grand Total	1430	5	4	68	729	3714	9270	5148	1278	124	23	0	0	0	21793
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Overall
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 52 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 14418
 Percent in Pace : 66.2%
 Number of Vehicles > 45 MPH : 6573
 Percent of Vehicles > 45 MPH : 30.2%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water St

EB, WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/16/09	3	0	0	0	0	8	31	33	22	2	4	1	1	0	105
01:00	0	0	0	0	1	3	21	10	8	3	0	0	1	0	47
02:00	0	0	0	0	0	4	8	12	5	2	1	0	0	0	32
03:00	1	0	0	0	0	7	19	15	7	2	1	0	0	0	52
04:00	1	0	0	0	1	3	12	26	16	10	1	0	0	0	70
05:00	4	0	0	0	0	5	49	73	59	25	7	1	0	0	223
06:00	22	0	0	0	3	18	146	248	134	40	6	3	0	0	620
07:00	76	0	0	0	17	73	367	358	173	41	4	2	0	0	1111
08:00	91	0	0	3	24	123	448	404	195	31	3	0	0	0	1322
09:00	63	0	0	1	8	89	380	410	183	24	3	0	0	0	1161
10:00	73	2	0	0	18	136	512	374	128	10	3	0	0	0	1256
11:00	67	0	2	14	72	171	513	366	122	19	4	0	0	0	1350
12 PM	126	1	0	1	46	189	515	426	150	19	2	1	0	0	1476
13:00	119	0	0	5	17	143	505	448	170	22	3	0	0	0	1432
14:00	136	2	2	9	57	233	517	413	130	14	2	1	0	0	1516
15:00	143	0	0	2	27	253	609	459	191	24	4	0	0	0	1712
16:00	137	0	0	3	18	192	627	545	200	23	0	0	0	0	1745
17:00	145	0	0	3	26	200	661	576	202	19	4	0	0	3	1839
18:00	71	0	0	0	7	100	422	456	168	36	2	0	0	0	1262
19:00	40	0	0	0	5	59	299	337	189	34	4	0	0	0	967
20:00	18	0	0	0	9	65	312	250	97	23	5	0	0	0	779
21:00	14	0	0	0	1	68	227	167	54	10	2	0	0	0	543
22:00	9	0	0	0	7	60	140	100	53	6	0	0	0	0	375
23:00	3	0	0	0	3	4	57	71	35	9	1	0	0	1	184
Total	1362	5	4	41	367	2206	7397	6577	2691	448	66	9	2	4	21179

Daily
 15th Percentile : 39 MPH
 50th Percentile : 45 MPH
 85th Percentile : 51 MPH
 95th Percentile : 55 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 13974
 Percent in Pace : 66.0%
 Number of Vehicles > 45 MPH : 9797
 Percent of Vehicles > 45 MPH : 46.3%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	0	0	0	0	12	29	34	20	8	1	1	0	0	105
01:00	0	0	0	0	2	4	22	11	10	7	1	1	0	0	58
02:00	0	0	0	0	2	5	7	14	5	3	0	0	0	0	36
03:00	0	0	0	0	0	6	16	19	8	3	0	0	0	0	52
04:00	0	0	0	0	3	0	19	20	17	11	3	0	0	0	73
05:00	4	0	0	0	0	7	33	63	73	24	5	0	0	0	209
06:00	25	0	0	0	0	15	141	242	145	43	10	0	0	0	621
07:00	42	0	0	0	8	49	331	389	223	47	9	0	0	0	1098
08:00	51	0	0	1	12	85	424	443	221	32	2	0	0	0	1271
09:00	76	0	0	0	22	115	431	432	199	30	4	2	0	0	1311
10:00	75	0	0	1	24	139	433	413	167	16	4	0	0	0	1272
11:00	97	0	0	4	43	168	512	356	125	17	3	0	1	0	1326
12 PM	120	0	0	2	53	224	542	371	152	12	0	1	0	0	1477
13:00	106	0	0	4	45	174	432	395	161	20	3	1	0	0	1341
14:00	122	0	0	5	54	210	504	392	171	23	5	0	0	0	1486
15:00	140	0	0	16	77	204	568	478	146	23	2	0	0	1	1655
16:00	148	0	0	2	38	207	661	480	175	37	1	1	1	0	1751
17:00	156	0	0	1	34	248	680	472	200	22	0	0	0	0	1813
18:00	94	1	0	2	19	127	495	445	197	28	7	0	0	0	1415
19:00	63	0	0	0	2	91	387	367	165	37	3	0	0	0	1115
20:00	35	0	0	0	7	90	344	271	113	19	3	0	0	0	882
21:00	15	0	0	0	20	105	256	164	89	12	1	0	0	0	662
22:00	13	0	0	0	1	24	166	107	63	8	3	1	0	0	386
23:00	1	0	0	1	3	16	62	55	30	8	3	1	0	1	181
Total	1383	1	0	39	469	2325	7495	6433	2875	490	73	9	2	2	21596

Daily
 15th Percentile : 38 MPH
 50th Percentile : 45 MPH
 85th Percentile : 51 MPH
 95th Percentile : 55 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 13928
 Percent in Pace : 64.5%
 Number of Vehicles > 45 MPH : 9884
 Percent of Vehicles > 45 MPH : 45.8%

Grand Total	2745	6	4	80	836	4531	14892	13010	5566	938	139	18	4	6	42775
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Overall
 15th Percentile : 39 MPH
 50th Percentile : 45 MPH
 85th Percentile : 51 MPH
 95th Percentile : 55 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 27902
 Percent in Pace : 65.2%
 Number of Vehicles > 45 MPH : 19681
 Percent of Vehicles > 45 MPH : 46.0%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/16/09	0	30	18	0	1	0	0	0	0	0	0	0	0	49	1
01:00	0	15	8	1	0	0	0	0	0	0	0	0	0	24	1
02:00	0	6	4	0	0	0	0	0	0	0	0	0	0	10	0
03:00	0	18	5	0	2	0	0	0	1	0	0	0	0	26	3
04:00	0	19	14	0	7	0	0	1	0	0	0	0	0	41	8
05:00	1	51	44	1	30	0	0	0	1	0	0	0	0	128	32
06:00	3	146	114	2	75	4	0	2	3	0	0	0	0	349	86
07:00	3	276	196	1	69	4	1	7	5	0	0	0	0	562	87
08:00	3	359	233	9	86	4	0	3	1	0	0	0	0	698	103
09:00	2	305	223	3	52	7	2	3	2	0	0	0	0	599	69
10:00	1	316	234	3	70	10	0	3	1	0	0	0	0	638	87
11:00	2	325	246	5	63	3	0	6	0	0	0	0	0	650	77
12 PM	6	371	264	9	71	5	0	6	0	0	0	0	0	732	91
13:00	4	356	278	4	83	3	0	1	1	0	0	0	0	730	92
14:00	4	388	266	3	72	7	0	2	1	0	0	0	0	743	85
15:00	3	434	284	1	62	8	0	4	0	0	0	0	0	796	75
16:00	6	430	284	4	72	1	0	3	0	0	0	0	0	800	80
17:00	5	502	285	4	80	3	0	1	1	0	0	0	0	881	89
18:00	3	333	234	1	50	2	0	2	0	0	0	0	0	625	55
19:00	3	251	194	0	38	1	0	1	0	0	0	0	0	488	40
20:00	0	210	135	0	30	1	0	0	0	0	0	0	0	376	31
21:00	1	154	93	1	16	0	0	0	0	0	0	0	0	265	17
22:00	1	110	44	0	8	1	0	1	0	0	0	0	0	165	10
23:00	1	55	22	0	5	0	0	0	0	0	0	0	0	83	5
Total	52	5460	3722	52	1042	64	3	46	17	0	0	0	0	10458	1224
Percent	0.5%	52.2%	35.6%	0.5%	10.0%	0.6%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		11.7%
AM Peak	06:00	08:00	11:00	08:00	08:00	10:00	09:00	07:00	07:00					08:00	08:00
Vol.	3	359	246	9	86	10	2	7	5					698	103
PM Peak	12:00	17:00	17:00	12:00	13:00	15:00		12:00	13:00					17:00	13:00
Vol.	6	502	285	9	83	8		6	1					881	92

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	27	14	0	2	0	0	0	0	0	0	0	0	43	2
01:00	0	13	12	0	2	0	0	0	0	0	0	0	0	27	2
02:00	0	7	5	1	2	0	0	0	0	0	0	0	0	15	3
03:00	0	21	5	1	2	0	0	0	1	0	0	0	0	30	4
04:00	0	19	12	0	8	1	0	2	0	0	0	0	0	42	11
05:00	1	50	42	1	30	1	0	2	1	0	0	0	0	128	35
06:00	3	145	124	2	72	2	0	0	3	0	0	0	0	351	79
07:00	5	257	186	2	80	4	0	4	3	0	0	0	0	541	93
08:00	3	322	265	12	62	7	0	8	2	0	0	0	0	681	91
09:00	3	334	257	6	70	1	1	6	1	0	0	0	0	679	85
10:00	3	335	238	4	67	7	0	7	1	0	0	0	0	662	86
11:00	7	338	260	6	57	2	0	4	0	0	0	0	0	674	69
12 PM	7	379	257	4	63	6	0	7	1	0	0	0	0	724	81
13:00	5	354	205	3	71	4	1	4	1	0	0	0	0	648	84
14:00	3	333	244	4	74	3	1	3	1	0	0	0	0	666	86
15:00	2	389	279	3	76	9	0	0	0	0	0	0	0	758	88
16:00	5	411	286	0	72	9	0	5	0	0	0	0	0	788	86
17:00	5	501	295	4	76	1	0	1	1	0	0	0	0	884	83
18:00	3	367	239	0	46	1	0	6	0	0	0	0	0	662	53
19:00	3	291	194	0	37	3	0	0	0	0	0	0	0	528	40
20:00	1	217	164	1	26	0	0	2	0	0	0	0	0	411	29
21:00	0	198	88	0	26	0	0	0	0	0	0	0	0	312	26
22:00	0	98	53	0	12	0	0	0	1	0	0	0	0	164	13
23:00	2	44	26	0	4	0	0	0	2	0	0	0	0	78	6
Total	61	5450	3750	54	1037	61	3	61	19	0	0	0	0	10496	1235
Percent	0.6%	51.9%	35.7%	0.5%	9.9%	0.6%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		11.8%
AM Peak	11:00	11:00	08:00	08:00	07:00	08:00	09:00	08:00	06:00					08:00	07:00
Vol.	7	338	265	12	80	7	1	8	3					681	93
PM Peak	12:00	17:00	17:00	12:00	15:00	15:00	13:00	12:00	23:00					17:00	15:00
Vol.	7	501	295	4	76	9	1	7	2					884	88
Grand Total	113	10910	7472	106	2079	125	6	107	36	0	0	0	0	20954	2459
Percent	0.5%	52.1%	35.7%	0.5%	9.9%	0.6%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		11.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/16/09	0	46	8	0	2	0	0	0	0	0	0	0	0	56	2
01:00	0	19	3	0	0	0	0	0	1	0	0	0	0	23	1
02:00	0	18	2	0	2	0	0	0	0	0	0	0	0	22	2
03:00	0	22	2	0	1	1	0	0	0	0	0	0	0	26	2
04:00	0	21	5	0	3	0	0	0	0	0	0	0	0	29	3
05:00	0	68	21	0	5	0	0	1	0	0	0	0	0	95	6
06:00	0	199	56	1	12	2	0	0	1	0	0	0	0	271	16
07:00	0	401	118	1	19	3	1	2	2	0	0	0	0	547	28
08:00	1	449	134	5	26	3	2	2	0	0	0	0	0	622	38
09:00	0	423	107	2	23	4	0	2	0	0	0	0	0	561	31
10:00	2	451	124	6	29	1	0	1	2	0	0	0	0	616	39
11:00	1	534	133	8	17	4	0	0	1	0	0	0	0	698	30
12 PM	2	568	145	1	21	1	0	4	0	0	0	0	0	742	27
13:00	3	528	133	3	26	3	1	2	0	0	0	0	0	699	35
14:00	2	600	135	1	24	3	0	4	2	0	0	0	0	771	34
15:00	3	697	180	1	28	3	0	2	0	0	0	0	0	914	34
16:00	1	721	192	1	21	2	0	5	0	0	0	0	0	943	29
17:00	5	770	155	1	22	1	0	1	0	0	0	0	0	955	25
18:00	3	520	92	0	17	0	0	3	0	0	0	0	0	635	20
19:00	0	391	75	0	11	0	0	1	0	0	0	0	0	478	12
20:00	0	340	56	0	6	0	0	1	0	0	0	0	0	403	7
21:00	0	230	42	0	5	0	0	0	0	0	0	0	0	277	5
22:00	0	178	28	1	2	0	0	0	0	0	0	0	0	209	3
23:00	0	87	10	0	4	0	0	0	0	0	0	0	0	101	4
Total	23	8281	1956	32	326	31	4	31	9	0	0	0	0	10693	433
Percent	0.2%	77.4%	18.3%	0.3%	3.0%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		4.0%
AM Peak	10:00	11:00	08:00	11:00	10:00	09:00	08:00	07:00	07:00					11:00	10:00
Vol.	2	534	134	8	29	4	2	2	2					698	39
PM Peak	17:00	17:00	16:00	13:00	15:00	13:00	13:00	16:00	14:00					17:00	13:00
Vol.	5	770	192	3	28	3	1	5	2					955	35

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	54	7	1	0	0	0	0	0	0	0	0	0	62	1
01:00	0	23	7	0	1	0	0	0	0	0	0	0	0	31	1
02:00	0	16	2	1	2	0	0	0	0	0	0	0	0	21	3
03:00	0	18	2	0	1	0	0	0	1	0	0	0	0	22	2
04:00	0	22	8	0	1	0	0	0	0	0	0	0	0	31	1
05:00	0	51	25	0	3	1	0	0	1	0	0	0	0	81	5
06:00	1	182	71	0	13	1	0	2	0	0	0	0	0	270	16
07:00	2	426	114	0	10	1	0	0	2	0	0	0	0	555	13
08:00	2	439	116	3	21	4	0	2	2	0	0	0	0	589	32
09:00	1	476	115	5	23	3	0	7	0	0	0	0	0	630	38
10:00	1	460	124	3	14	4	0	0	2	0	0	0	0	608	23
11:00	1	502	119	2	15	7	0	3	0	1	0	0	0	650	28
12 PM	0	581	133	4	23	5	0	3	1	0	0	0	0	750	36
13:00	3	536	117	6	24	1	1	2	1	0	0	0	0	691	35
14:00	1	614	154	1	30	6	1	8	2	0	0	0	0	817	48
15:00	2	687	169	2	22	3	0	7	3	0	0	0	0	895	37
16:00	1	740	183	0	27	2	0	7	0	0	0	0	0	960	36
17:00	3	757	140	0	23	0	0	2	1	0	0	0	0	926	26
18:00	2	632	93	0	21	1	0	1	0	0	0	0	0	750	23
19:00	3	486	86	0	8	0	0	2	1	0	0	0	0	586	11
20:00	1	404	61	0	5	0	0	0	0	0	0	0	0	471	5
21:00	0	293	52	0	4	0	0	0	0	0	0	0	0	349	4
22:00	0	190	27	1	3	0	0	0	1	0	0	0	0	222	5
23:00	0	94	8	1	0	0	0	0	0	0	0	0	0	103	1
Total	24	8683	1933	30	294	39	2	46	18	1	0	0	0	11070	430
Percent	0.2%	78.4%	17.5%	0.3%	2.7%	0.4%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		3.9%
AM Peak	07:00	11:00	10:00	09:00	09:00	11:00		09:00	07:00	11:00				11:00	09:00
Vol.	2	502	124	5	23	7		7	2	1				650	38
PM Peak	13:00	17:00	16:00	13:00	14:00	14:00	13:00	14:00	15:00					16:00	14:00
Vol.	3	757	183	6	30	6	1	8	3					960	48
Grand Total	47	16964	3889	62	620	70	6	77	27	1	0	0	0	21763	863
Percent	0.2%	77.9%	17.9%	0.3%	2.8%	0.3%	0.0%	0.4%	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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/16/09	0	76	26	0	3	0	0	0	0	0	0	0	0	105	3
01:00	0	34	11	1	0	0	0	0	1	0	0	0	0	47	2
02:00	0	24	6	0	2	0	0	0	0	0	0	0	0	32	2
03:00	0	40	7	0	3	1	0	0	1	0	0	0	0	52	5
04:00	0	40	19	0	10	0	0	1	0	0	0	0	0	70	11
05:00	1	119	65	1	35	0	0	1	1	0	0	0	0	223	38
06:00	3	345	170	3	87	6	0	2	4	0	0	0	0	620	102
07:00	3	677	314	2	88	7	2	9	7	0	0	0	0	1109	115
08:00	4	808	367	14	112	7	2	5	1	0	0	0	0	1320	141
09:00	2	728	330	5	75	11	2	5	2	0	0	0	0	1160	100
10:00	3	767	358	9	99	11	0	4	3	0	0	0	0	1254	126
11:00	3	859	379	13	80	7	0	6	1	0	0	0	0	1348	107
12 PM	8	939	409	10	92	6	0	10	0	0	0	0	0	1474	118
13:00	7	884	411	7	109	6	1	3	1	0	0	0	0	1429	127
14:00	6	988	401	4	96	10	0	6	3	0	0	0	0	1514	119
15:00	6	1131	464	2	90	11	0	6	0	0	0	0	0	1710	109
16:00	7	1151	476	5	93	3	0	8	0	0	0	0	0	1743	109
17:00	10	1272	440	5	102	4	0	2	1	0	0	0	0	1836	114
18:00	6	853	326	1	67	2	0	5	0	0	0	0	0	1260	75
19:00	3	642	269	0	49	1	0	2	0	0	0	0	0	966	52
20:00	0	550	191	0	36	1	0	1	0	0	0	0	0	779	38
21:00	1	384	135	1	21	0	0	0	0	0	0	0	0	542	22
22:00	1	288	72	1	10	1	0	1	0	0	0	0	0	374	13
23:00	1	142	32	0	9	0	0	0	0	0	0	0	0	184	9
Total	75	13741	5678	84	1368	95	7	77	26	0	0	0	0	21151	1657
Percent	0.4%	65.0%	26.8%	0.4%	6.5%	0.4%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		7.8%
AM Peak	08:00	11:00	11:00	08:00	08:00	09:00	07:00	07:00	07:00					11:00	08:00
Vol.	4	859	379	14	112	11	2	9	7					1348	141
PM Peak	17:00	17:00	16:00	12:00	13:00	15:00	13:00	12:00	14:00					17:00	13:00
Vol.	10	1272	476	10	109	11	1	10	3					1836	127

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), east of Water 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
06/17/09	0	81	21	1	2	0	0	0	0	0	0	0	0	105	3
01:00	0	36	19	0	3	0	0	0	0	0	0	0	0	58	3
02:00	0	23	7	2	4	0	0	0	0	0	0	0	0	36	6
03:00	0	39	7	1	3	0	0	0	2	0	0	0	0	52	6
04:00	0	41	20	0	9	1	0	2	0	0	0	0	0	73	12
05:00	1	101	67	1	33	2	0	2	2	0	0	0	0	209	40
06:00	4	327	195	2	85	3	0	2	3	0	0	0	0	621	95
07:00	7	683	300	2	90	5	0	4	5	0	0	0	0	1096	106
08:00	5	761	381	15	83	11	0	10	4	0	0	0	0	1270	123
09:00	4	810	372	11	93	4	1	13	1	0	0	0	0	1309	123
10:00	4	795	362	7	81	11	0	7	3	0	0	0	0	1270	109
11:00	8	840	379	8	72	9	0	7	0	1	0	0	0	1324	97
12 PM	7	960	390	8	86	11	0	10	2	0	0	0	0	1474	117
13:00	8	890	322	9	95	5	2	6	2	0	0	0	0	1339	119
14:00	4	947	398	5	104	9	2	11	3	0	0	0	0	1483	134
15:00	4	1076	448	5	98	12	0	7	3	0	0	0	0	1653	125
16:00	6	1151	469	0	99	11	0	12	0	0	0	0	0	1748	122
17:00	8	1258	435	4	99	1	0	3	2	0	0	0	0	1810	109
18:00	5	999	332	0	67	2	0	7	0	0	0	0	0	1412	76
19:00	6	777	280	0	45	3	0	2	1	0	0	0	0	1114	51
20:00	2	621	225	1	31	0	0	2	0	0	0	0	0	882	34
21:00	0	491	140	0	30	0	0	0	0	0	0	0	0	661	30
22:00	0	288	80	1	15	0	0	0	2	0	0	0	0	386	18
23:00	2	138	34	1	4	0	0	0	2	0	0	0	0	181	7
Total	85	14133	5683	84	1331	100	5	107	37	1	0	0	0	21566	1665
Percent	0.4%	65.5%	26.4%	0.4%	6.2%	0.5%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		7.7%
AM Peak	11:00	11:00	08:00	08:00	09:00	08:00	09:00	09:00	07:00	11:00				11:00	08:00
Vol.	8	840	381	15	93	11	1	13	5	1				1324	123
PM Peak	13:00	17:00	16:00	13:00	14:00	15:00	13:00	16:00	14:00					17:00	14:00
Vol.	8	1258	469	9	104	12	2	12	3					1810	134
Grand Total	160	27874	11361	168	2699	195	12	184	63	1	0	0	0	42717	3322
Percent	0.4%	65.3%	26.6%	0.4%	6.3%	0.5%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		7.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #7
 Tube Layout: L3 - Volume Only

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), at Marshfield T/L

Start Time	15-Jun-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	*	*	68	120	87	168	*	*	*	*	*	*	*	*	78	144
01:00	*	*	28	54	34	84	*	*	*	*	*	*	*	*	31	69
02:00	*	*	28	30	38	30	*	*	*	*	*	*	*	*	33	30
03:00	*	*	48	29	55	41	*	*	*	*	*	*	*	*	52	35
04:00	*	*	144	45	142	60	*	*	*	*	*	*	*	*	143	52
05:00	*	*	650	144	576	126	*	*	*	*	*	*	*	*	613	135
06:00	*	*	1142	400	1076	409	*	*	*	*	*	*	*	*	1109	404
07:00	*	*	1313	613	1370	642	*	*	*	*	*	*	*	*	1342	628
08:00	*	*	1232	728	1302	756	*	*	*	*	*	*	*	*	1267	742
09:00	*	*	1132	753	1198	804	*	*	*	*	*	*	*	*	1165	778
10:00	*	*	1080	841	1076	899	*	*	*	*	*	*	*	*	1078	870
11:00	*	*	1152	879	1126	959	*	*	*	*	*	*	*	*	1139	919
12:00 PM	*	*	1141	915	1110	1056	*	*	*	*	*	*	*	*	1126	986
01:00	*	*	1168	960	1158	971	*	*	*	*	*	*	*	*	1163	966
02:00	*	*	1179	1036	1219	1006	*	*	*	*	*	*	*	*	1199	1021
03:00	*	*	1198	1242	1256	1176	*	*	*	*	*	*	*	*	1227	1209
04:00	*	*	1138	1308	1250	1290	*	*	*	*	*	*	*	*	1194	1299
05:00	*	*	1154	1356	1093	1374	*	*	*	*	*	*	*	*	1124	1365
06:00	*	*	842	1181	914	1184	*	*	*	*	*	*	*	*	878	1182
07:00	*	*	608	1002	749	970	*	*	*	*	*	*	*	*	678	986
08:00	*	*	497	780	602	768	*	*	*	*	*	*	*	*	550	774
09:00	*	*	382	634	441	654	*	*	*	*	*	*	*	*	412	644
10:00	*	*	287	392	302	404	*	*	*	*	*	*	*	*	294	398
11:00	*	*	141	300	136	281	*	*	*	*	*	*	*	*	138	290
Total	0	0	17752	15742	18310	16112	0	0	0	0	0	0	0	0	18033	15926
Day	0	0	33494		34422		0	0	0	0	0	0	0	0	33959	
AM Peak			07:00	11:00	07:00	11:00									07:00	11:00
Vol.			1313	879	1370	959									1342	919
PM Peak			15:00	17:00	15:00	17:00									15:00	17:00
Vol.			1198	1356	1256	1374									1227	1365

Comb. Total 0 33494 34422 0 0 0 0 33959

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

Community: Pembroke
 Com #_U/RFC: 231_U3
 Recorder #: Jamar #7
 Tube Layout: L3 - Volume Only

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Church St (139), at Marshfield T/L

Start Time	15-Jun-09 Mon	16-Jun-09 Tue	17-Jun-09 Wed	18-Jun-09 Thu	19-Jun-09 Fri	20-Jun-09 Sat	21-Jun-09 Sun	Week Average
12:00 AM	*	188	255	*	*	*	*	222
01:00	*	82	118	*	*	*	*	100
02:00	*	58	68	*	*	*	*	63
03:00	*	77	96	*	*	*	*	86
04:00	*	189	202	*	*	*	*	196
05:00	*	794	702	*	*	*	*	748
06:00	*	1542	1485	*	*	*	*	1514
07:00	*	1926	2012	*	*	*	*	1969
08:00	*	1960	2058	*	*	*	*	2009
09:00	*	1885	2002	*	*	*	*	1944
10:00	*	1921	1975	*	*	*	*	1948
11:00	*	2031	2085	*	*	*	*	2058
12:00 PM	*	2056	2166	*	*	*	*	2111
01:00	*	2128	2129	*	*	*	*	2128
02:00	*	2215	2225	*	*	*	*	2220
03:00	*	2440	2432	*	*	*	*	2436
04:00	*	2446	2540	*	*	*	*	2493
05:00	*	2510	2467	*	*	*	*	2488
06:00	*	2023	2098	*	*	*	*	2060
07:00	*	1610	1719	*	*	*	*	1664
08:00	*	1277	1370	*	*	*	*	1324
09:00	*	1016	1095	*	*	*	*	1056
10:00	*	679	706	*	*	*	*	692
11:00	*	441	417	*	*	*	*	429
Total	0	33494	34422	0	0	0	0	33958
Percentage	0.0%	98.6%	101.4%	0.0%	0.0%	0.0%	0.0%	
AM Peak		11:00	11:00					11:00
Vol.		2031	2085					2058
PM Peak		17:00	16:00					16:00
Vol.		2510	2540					2493

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

Start Time	13-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	*	*	7	36	24	24	*	*	*	*	*	*	*	*	16	30
01:00	*	*	9	9	8	14	*	*	*	*	*	*	*	*	8	12
02:00	*	*	10	5	10	6	*	*	*	*	*	*	*	*	10	6
03:00	*	*	6	6	3	18	*	*	*	*	*	*	*	*	4	12
04:00	*	*	9	3	7	6	*	*	*	*	*	*	*	*	8	4
05:00	*	*	37	13	42	18	*	*	*	*	*	*	*	*	40	16
06:00	*	*	146	34	140	23	*	*	*	*	*	*	*	*	143	28
07:00	*	*	277	69	262	78	*	*	*	*	*	*	*	*	270	74
08:00	*	*	242	128	248	117	*	*	*	*	*	*	*	*	245	122
09:00	*	*	151	111	141	106	*	*	*	*	*	*	*	*	146	108
10:00	*	*	121	140	127	117	*	*	*	*	*	*	*	*	124	128
11:00	*	*	129	141	107	132	*	*	*	*	*	*	*	*	118	136
12:00 PM	*	*	139	196	121	161	*	*	*	*	*	*	*	*	130	178
01:00	*	*	154	181	129	146	*	*	*	*	*	*	*	*	142	164
02:00	*	*	142	190	125	183	*	*	*	*	*	*	*	*	134	186
03:00	*	*	159	285	151	260	*	*	*	*	*	*	*	*	155	272
04:00	*	*	170	314	155	296	*	*	*	*	*	*	*	*	162	305
05:00	*	*	188	331	165	293	*	*	*	*	*	*	*	*	176	312
06:00	*	*	133	211	149	236	*	*	*	*	*	*	*	*	141	224
07:00	*	*	129	132	126	174	*	*	*	*	*	*	*	*	128	153
08:00	*	*	91	122	105	155	*	*	*	*	*	*	*	*	98	138
09:00	*	*	54	96	80	91	*	*	*	*	*	*	*	*	67	94
10:00	*	*	54	80	50	85	*	*	*	*	*	*	*	*	52	82
11:00	*	*	32	41	34	53	*	*	*	*	*	*	*	*	33	47
Total	0	0	2589	2874	2509	2792	0	0	0	0	0	0	0	0	2550	2831
Day	0	0	5463		5301		0	0	0	0	0	0	0	0	5381	
AM Peak			07:00	11:00	07:00	11:00									07:00	11:00
Vol.			277	141	262	132									270	136
PM Peak			17:00	17:00	17:00	16:00									17:00	17:00
Vol.			188	331	165	296									176	312

Comb. Total 0 5463 5301 0 0 0 0 5381

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	43	48	*	*	*	*	46
01:00	*	18	22	*	*	*	*	20
02:00	*	15	16	*	*	*	*	16
03:00	*	12	21	*	*	*	*	16
04:00	*	12	13	*	*	*	*	12
05:00	*	50	60	*	*	*	*	55
06:00	*	180	163	*	*	*	*	172
07:00	*	346	340	*	*	*	*	343
08:00	*	370	365	*	*	*	*	368
09:00	*	262	247	*	*	*	*	254
10:00	*	261	244	*	*	*	*	252
11:00	*	270	239	*	*	*	*	254
12:00 PM	*	335	282	*	*	*	*	308
01:00	*	335	275	*	*	*	*	305
02:00	*	332	308	*	*	*	*	320
03:00	*	444	411	*	*	*	*	428
04:00	*	484	451	*	*	*	*	468
05:00	*	519	458	*	*	*	*	488
06:00	*	344	385	*	*	*	*	364
07:00	*	261	300	*	*	*	*	280
08:00	*	213	260	*	*	*	*	236
09:00	*	150	171	*	*	*	*	160
10:00	*	134	135	*	*	*	*	134
11:00	*	73	87	*	*	*	*	80
Total	0	5463	5301	0	0	0	0	5379
Percentage	0.0%	101.6%	98.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		370	365					368
PM Peak		17:00	17:00					17:00
Vol.		519	458					488

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	0	0	1	4	2	0	0	0	0	0	0	0	0	0	7
01:00	0	0	0	6	3	0	0	0	0	0	0	0	0	0	9
02:00	0	0	4	5	1	0	0	0	0	0	0	0	0	0	10
03:00	1	0	1	2	2	0	0	0	0	0	0	0	0	0	6
04:00	0	0	2	5	2	0	0	0	0	0	0	0	0	0	9
05:00	0	0	10	14	11	1	1	0	0	0	0	0	0	0	37
06:00	1	4	24	72	41	4	0	0	0	0	0	0	0	0	146
07:00	2	3	31	162	72	6	1	0	0	0	0	0	0	0	277
08:00	1	3	41	122	73	2	0	0	0	0	0	0	0	0	242
09:00	3	4	36	69	38	1	0	0	0	0	0	0	0	0	151
10:00	0	3	25	52	39	2	0	0	0	0	0	0	0	0	121
11:00	3	0	23	73	27	2	1	0	0	0	0	0	0	0	129
12 PM	1	10	27	74	22	5	0	0	0	0	0	0	0	0	139
13:00	7	0	27	82	36	2	0	0	0	0	0	0	0	0	154
14:00	3	1	27	78	33	0	0	0	0	0	0	0	0	0	142
15:00	6	6	42	68	32	4	1	0	0	0	0	0	0	0	159
16:00	11	3	29	89	32	5	0	1	0	0	0	0	0	0	170
17:00	8	4	45	99	30	2	0	0	0	0	0	0	0	0	188
18:00	3	2	42	69	14	3	0	0	0	0	0	0	0	0	133
19:00	2	4	35	62	21	5	0	0	0	0	0	0	0	0	129
20:00	2	4	29	42	14	0	0	0	0	0	0	0	0	0	91
21:00	1	2	14	27	10	0	0	0	0	0	0	0	0	0	54
22:00	1	1	7	35	10	0	0	0	0	0	0	0	0	0	54
23:00	0	0	8	17	6	1	0	0	0	0	0	0	0	0	32
Total	56	54	530	1328	571	45	4	1	0	0	0	0	0	0	2589

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1899
 Percent in Pace : 73.3%
 Number of Vehicles > 30 MPH : 621
 Percent of Vehicles > 30 MPH : 24.0%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

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
07:15/09	0	2	4	6	12	0	0	0	0	0	0	0	0	0	24
01:00	0	0	2	4	2	0	0	0	0	0	0	0	0	0	8
02:00	0	0	2	6	1	1	0	0	0	0	0	0	0	0	10
03:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
04:00	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7
05:00	0	1	8	24	9	0	0	0	0	0	0	0	0	0	42
06:00	2	2	21	76	37	1	1	0	0	0	0	0	0	0	140
07:00	6	2	50	146	54	4	0	0	0	0	0	0	0	0	262
08:00	2	3	38	130	69	6	0	0	0	0	0	0	0	0	248
09:00	0	1	28	75	35	2	0	0	0	0	0	0	0	0	141
10:00	5	3	19	66	34	0	0	0	0	0	0	0	0	0	127
11:00	1	1	26	51	27	1	0	0	0	0	0	0	0	0	107
12 PM	1	1	16	71	30	2	0	0	0	0	0	0	0	0	121
13:00	6	4	22	58	37	2	0	0	0	0	0	0	0	0	129
14:00	5	1	18	66	34	1	0	0	0	0	0	0	0	0	125
15:00	1	2	26	68	48	5	1	0	0	0	0	0	0	0	151
16:00	8	3	19	82	40	3	0	0	0	0	0	0	0	0	155
17:00	9	3	17	92	43	1	0	0	0	0	0	0	0	0	165
18:00	6	1	26	80	32	4	0	0	0	0	0	0	0	0	149
19:00	4	1	35	64	22	0	0	0	0	0	0	0	0	0	126
20:00	3	3	30	49	20	0	0	0	0	0	0	0	0	0	105
21:00	1	2	21	46	9	1	0	0	0	0	0	0	0	0	80
22:00	2	3	7	26	11	1	0	0	0	0	0	0	0	0	50
23:00	0	1	8	16	9	0	0	0	0	0	0	0	0	0	34
Total	62	40	445	1308	617	35	2	0	0	0	0	0	0	0	2509

Daily
 15th Percentile : 24 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1925
 Percent in Pace : 76.7%
 Number of Vehicles > 30 MPH : 654
 Percent of Vehicles > 30 MPH : 26.1%

Grand Total	118	94	975	2636	1188	80	6	1	0	0	0	0	0	0	5098
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Overall
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH
 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3824
 Percent in Pace : 75.0%
 Number of Vehicles > 30 MPH : 1275
 Percent of Vehicles > 30 MPH : 25.0%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

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
07/14/09	0	2	10	13	11	0	0	0	0	0	0	0	0	0	36
01:00	0	0	2	2	4	0	1	0	0	0	0	0	0	0	9
02:00	0	0	2	2	1	0	0	0	0	0	0	0	0	0	5
03:00	1	0	1	2	2	0	0	0	0	0	0	0	0	0	6
04:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
05:00	0	0	3	5	5	0	0	0	0	0	0	0	0	0	13
06:00	1	1	11	11	9	1	0	0	0	0	0	0	0	0	34
07:00	1	1	13	33	18	3	0	0	0	0	0	0	0	0	69
08:00	3	3	23	57	37	5	0	0	0	0	0	0	0	0	128
09:00	4	5	26	46	27	2	1	0	0	0	0	0	0	0	111
10:00	1	8	48	54	27	1	1	0	0	0	0	0	0	0	140
11:00	2	3	46	65	23	2	0	0	0	0	0	0	0	0	141
12 PM	2	5	48	101	35	5	0	0	0	0	0	0	0	0	196
13:00	2	7	28	94	44	4	1	1	0	0	0	0	0	0	181
14:00	6	3	65	78	36	1	1	0	0	0	0	0	0	0	190
15:00	5	6	86	128	53	7	0	0	0	0	0	0	0	0	285
16:00	19	13	92	132	49	9	0	0	0	0	0	0	0	0	314
17:00	8	20	94	161	46	2	0	0	0	0	0	0	0	0	331
18:00	2	7	62	104	33	3	0	0	0	0	0	0	0	0	211
19:00	5	1	28	56	37	5	0	0	0	0	0	0	0	0	132
20:00	3	6	31	57	22	2	1	0	0	0	0	0	0	0	122
21:00	0	3	26	47	17	3	0	0	0	0	0	0	0	0	96
22:00	1	3	25	38	11	2	0	0	0	0	0	0	0	0	80
23:00	0	3	9	13	14	2	0	0	0	0	0	0	0	0	41
Total	66	100	780	1300	562	59	6	1	0	0	0	0	0	0	2874

Daily
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 2080
 Percent in Pace : 72.4%
 Number of Vehicles > 30 MPH : 628
 Percent of Vehicles > 30 MPH : 21.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

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
07:15/09	0	0	5	13	4	2	0	0	0	0	0	0	0	0	24
01:00	0	1	2	9	1	0	0	1	0	0	0	0	0	0	14
02:00	0	0	2	3	1	0	0	0	0	0	0	0	0	0	6
03:00	0	0	3	13	2	0	0	0	0	0	0	0	0	0	18
04:00	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
05:00	0	2	5	7	4	0	0	0	0	0	0	0	0	0	18
06:00	2	0	7	8	6	0	0	0	0	0	0	0	0	0	23
07:00	5	2	20	31	18	2	0	0	0	0	0	0	0	0	78
08:00	4	5	23	46	35	4	0	0	0	0	0	0	0	0	117
09:00	1	4	25	47	26	2	1	0	0	0	0	0	0	0	106
10:00	6	3	31	55	20	2	0	0	0	0	0	0	0	0	117
11:00	1	4	42	56	27	1	1	0	0	0	0	0	0	0	132
12 PM	5	5	35	79	35	2	0	0	0	0	0	0	0	0	161
13:00	6	3	36	63	32	5	1	0	0	0	0	0	0	0	146
14:00	8	13	32	79	41	8	2	0	0	0	0	0	0	0	183
15:00	8	10	52	138	49	3	0	0	0	0	0	0	0	0	260
16:00	16	4	64	140	66	5	1	0	0	0	0	0	0	0	296
17:00	7	9	86	125	60	6	0	0	0	0	0	0	0	0	293
18:00	14	13	56	101	51	1	0	0	0	0	0	0	0	0	236
19:00	8	3	40	83	39	1	0	0	0	0	0	0	0	0	174
20:00	3	3	32	88	24	4	1	0	0	0	0	0	0	0	155
21:00	2	4	23	45	14	1	0	0	2	0	0	0	0	0	91
22:00	3	5	19	40	18	0	0	0	0	0	0	0	0	0	85
23:00	0	2	13	24	12	2	0	0	0	0	0	0	0	0	53
Total	99	95	653	1299	585	51	7	1	2	0	0	0	0	0	2792

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1952
 Percent in Pace : 69.9%
 Number of Vehicles > 30 MPH : 646
 Percent of Vehicles > 30 MPH : 23.1%

Grand Total	165	195	1433	2599	1147	110	13	2	2	0	0	0	0	0	5666
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Overall
 15th Percentile : 22 MPH
 50th Percentile : 27 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 4032
 Percent in Pace : 71.2%
 Number of Vehicles > 30 MPH : 1274
 Percent of Vehicles > 30 MPH : 22.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

WB, EB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07/14/09	0	2	11	17	13	0	0	0	0	0	0	0	0	0	43
01:00	0	0	2	8	7	0	1	0	0	0	0	0	0	0	18
02:00	0	0	6	7	2	0	0	0	0	0	0	0	0	0	15
03:00	2	0	2	4	4	0	0	0	0	0	0	0	0	0	12
04:00	0	0	3	6	3	0	0	0	0	0	0	0	0	0	12
05:00	0	0	13	19	16	1	1	0	0	0	0	0	0	0	50
06:00	2	5	35	83	50	5	0	0	0	0	0	0	0	0	180
07:00	3	4	44	195	90	9	1	0	0	0	0	0	0	0	346
08:00	4	6	64	179	110	7	0	0	0	0	0	0	0	0	370
09:00	7	9	62	115	65	3	1	0	0	0	0	0	0	0	262
10:00	1	11	73	106	66	3	1	0	0	0	0	0	0	0	261
11:00	5	3	69	138	50	4	1	0	0	0	0	0	0	0	270
12 PM	3	15	75	175	57	10	0	0	0	0	0	0	0	0	335
13:00	9	7	55	176	80	6	1	1	0	0	0	0	0	0	335
14:00	9	4	92	156	69	1	1	0	0	0	0	0	0	0	332
15:00	11	12	128	196	85	11	1	0	0	0	0	0	0	0	444
16:00	30	16	121	221	81	14	0	1	0	0	0	0	0	0	484
17:00	16	24	139	260	76	4	0	0	0	0	0	0	0	0	519
18:00	5	9	104	173	47	6	0	0	0	0	0	0	0	0	344
19:00	7	5	63	118	58	10	0	0	0	0	0	0	0	0	261
20:00	5	10	60	99	36	2	1	0	0	0	0	0	0	0	213
21:00	1	5	40	74	27	3	0	0	0	0	0	0	0	0	150
22:00	2	4	32	73	21	2	0	0	0	0	0	0	0	0	134
23:00	0	3	17	30	20	3	0	0	0	0	0	0	0	0	73
Total	122	154	1310	2628	1133	104	10	2	0	0	0	0	0	0	5463

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 3938
 Percent in Pace : 72.1%
 Number of Vehicles > 30 MPH : 1249
 Percent of Vehicles > 30 MPH : 22.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

WB, 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
07/15/09	0	2	9	19	16	2	0	0	0	0	0	0	0	0	48
01:00	0	1	4	13	3	0	0	1	0	0	0	0	0	0	22
02:00	0	0	4	9	2	1	0	0	0	0	0	0	0	0	16
03:00	0	0	3	15	3	0	0	0	0	0	0	0	0	0	21
04:00	0	0	2	10	1	0	0	0	0	0	0	0	0	0	13
05:00	0	3	13	31	13	0	0	0	0	0	0	0	0	0	60
06:00	4	2	28	84	43	1	1	0	0	0	0	0	0	0	163
07:00	11	4	70	177	72	6	0	0	0	0	0	0	0	0	340
08:00	6	8	61	176	104	10	0	0	0	0	0	0	0	0	365
09:00	1	5	53	122	61	4	1	0	0	0	0	0	0	0	247
10:00	11	6	50	121	54	2	0	0	0	0	0	0	0	0	244
11:00	2	5	68	107	54	2	1	0	0	0	0	0	0	0	239
12 PM	6	6	51	150	65	4	0	0	0	0	0	0	0	0	282
13:00	12	7	58	121	69	7	1	0	0	0	0	0	0	0	275
14:00	13	14	50	145	75	9	2	0	0	0	0	0	0	0	308
15:00	9	12	78	206	97	8	1	0	0	0	0	0	0	0	411
16:00	24	7	83	222	106	8	1	0	0	0	0	0	0	0	451
17:00	16	12	103	217	103	7	0	0	0	0	0	0	0	0	458
18:00	20	14	82	181	83	5	0	0	0	0	0	0	0	0	385
19:00	12	4	75	147	61	1	0	0	0	0	0	0	0	0	300
20:00	6	6	62	137	44	4	1	0	0	0	0	0	0	0	260
21:00	3	6	44	91	23	2	0	0	2	0	0	0	0	0	171
22:00	5	8	26	66	29	1	0	0	0	0	0	0	0	0	135
23:00	0	3	21	40	21	2	0	0	0	0	0	0	0	0	87
Total	161	135	1098	2607	1202	86	9	1	2	0	0	0	0	0	5301

Daily
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3809
 Percent in Pace : 71.9%
 Number of Vehicles > 30 MPH : 1300
 Percent of Vehicles > 30 MPH : 24.5%

Grand Total	283	289	2408	5235	2335	190	19	3	2	0	0	0	0	0	10764
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Overall
 15th Percentile : 23 MPH
 50th Percentile : 28 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH

Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 7643
 Percent in Pace : 71.0%
 Number of Vehicles > 30 MPH : 2549
 Percent of Vehicles > 30 MPH : 23.7%

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #8
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Prospect St, east of Pleasant St (139)

WB	Start Time	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
	07/14/09	0	6	1	0	0	0	0	0	0	0	0	0	7	0
	01:00	0	8	1	0	0	0	0	0	0	0	0	0	9	0
	02:00	0	10	0	0	0	0	0	0	0	0	0	0	10	0
	03:00	0	4	2	0	0	0	0	0	0	0	0	0	6	0
	04:00	0	8	1	0	0	0	0	0	0	0	0	0	9	0
	05:00	3	24	10	0	0	0	0	0	0	0	0	0	37	0
	06:00	1	112	31	0	2	0	0	0	0	0	0	0	146	2
	07:00	0	233	41	2	1	0	0	0	0	0	0	0	277	3
	08:00	2	204	33	0	3	0	0	0	0	0	0	0	242	3
	09:00	2	112	25	0	11	0	0	0	0	0	0	0	150	11
	10:00	0	100	19	1	1	0	0	0	0	0	0	0	121	2
	11:00	0	107	17	0	4	0	0	0	0	0	0	0	128	4
	12 PM	2	109	24	1	3	0	0	0	0	0	0	0	139	4
	13:00	1	129	21	0	3	0	0	0	0	0	0	0	154	3
	14:00	1	110	27	1	2	0	0	0	0	0	0	0	141	3
	15:00	2	138	17	0	0	1	0	1	0	0	0	0	159	2
	16:00	2	136	28	0	3	0	0	1	0	0	0	0	170	4
	17:00	1	156	25	0	5	1	0	0	0	0	0	0	188	6
	18:00	1	116	15	0	1	0	0	0	0	0	0	0	133	1
	19:00	2	107	18	0	2	0	0	0	0	0	0	0	129	2
	20:00	0	77	13	0	1	0	0	0	0	0	0	0	91	1
	21:00	2	45	6	0	1	0	0	0	0	0	0	0	54	1
	22:00	0	47	7	0	0	0	0	0	0	0	0	0	54	0
	23:00	0	29	3	0	0	0	0	0	0	0	0	0	32	0
	Total	22	2127	385	5	43	2	0	2	0	0	0	0	2586	52
	Percent	0.9%	82.3%	14.9%	0.2%	1.7%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		2.0%
	AM Peak	05:00	07:00	07:00	07:00	09:00								07:00	09:00
	Vol.	3	233	41	2	11								277	11
	PM Peak	12:00	17:00	16:00	12:00	17:00	15:00	15:00						17:00	17:00
	Vol.	2	156	28	1	5	1	1						188	6

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

WB	Start Time	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
	07/15/09	0	22	2	0	0	0	0	0	0	0	0	0	24	0
	01:00	0	8	0	0	0	0	0	0	0	0	0	0	8	0
	02:00	0	10	0	0	0	0	0	0	0	0	0	0	10	0
	03:00	0	3	0	0	0	0	0	0	0	0	0	0	3	0
	04:00	0	5	2	0	0	0	0	0	0	0	0	0	7	0
	05:00	1	29	11	0	0	1	0	0	0	0	0	0	42	1
	06:00	2	108	28	0	2	0	0	0	0	0	0	0	140	2
	07:00	1	222	31	1	4	1	0	2	0	0	0	0	262	8
	08:00	2	212	28	0	6	0	0	0	0	0	0	0	248	6
	09:00	1	115	18	0	7	0	0	0	0	0	0	0	141	7
	10:00	2	108	12	1	3	1	0	0	0	0	0	0	127	5
	11:00	0	76	25	0	5	0	0	1	0	0	0	0	107	6
	12 PM	0	106	14	0	0	1	0	0	0	0	0	0	121	1
	13:00	1	109	16	1	2	0	0	0	0	0	0	0	129	3
	14:00	1	105	17	1	0	0	0	0	1	0	0	0	125	2
	15:00	1	133	13	0	4	0	0	0	0	0	0	0	151	4
	16:00	0	130	20	0	3	1	0	0	0	0	0	0	154	4
	17:00	1	141	20	0	0	2	0	0	0	0	0	0	164	2
	18:00	1	132	16	0	0	0	0	0	0	0	0	0	149	0
	19:00	0	110	13	0	2	0	0	0	0	0	0	0	125	2
	20:00	1	88	16	0	0	0	0	0	0	0	0	0	105	0
	21:00	0	68	8	0	3	1	0	0	0	0	0	0	80	4
	22:00	2	43	4	0	1	0	0	0	0	0	0	0	50	1
	23:00	0	29	3	0	2	0	0	0	0	0	0	0	34	2
	Total	17	2112	317	4	44	8	0	3	1	0	0	0	2506	60
	Percent	0.7%	84.3%	12.6%	0.2%	1.8%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		2.4%
	AM Peak	06:00	07:00	07:00	07:00	09:00	05:00		07:00					07:00	07:00
	Vol.	2	222	31	1	7	1		2					262	8
	PM Peak	22:00	17:00	16:00	13:00	15:00	17:00		14:00					17:00	15:00
	Vol.	2	141	20	1	4	2		1					164	4
	Grand Total	39	4239	702	9	87	10	0	5	1	0	0	0	5092	112
	Percent	0.8%	83.2%	13.8%	0.2%	1.7%	0.2%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		2.2%

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #8
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Prospect St, east of Pleasant St (139)

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
07/14/09	0	26	9	0	0	1	0	0	0	0	0	0	0	36	1
01:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
05:00	0	10	2	1	0	0	0	0	0	0	0	0	0	13	1
06:00	0	23	9	0	1	0	0	0	1	0	0	0	0	34	2
07:00	0	54	10	0	4	1	0	0	0	0	0	0	0	69	5
08:00	0	96	27	1	4	0	0	0	0	0	0	0	0	128	5
09:00	2	79	28	0	1	1	0	0	0	0	0	0	0	111	2
10:00	1	98	35	2	4	0	0	0	0	0	0	0	0	140	6
11:00	1	112	24	0	4	0	0	0	0	0	0	0	0	141	4
12 PM	0	154	39	0	3	0	0	0	0	0	0	0	0	196	3
13:00	0	137	40	0	3	1	0	0	0	0	0	0	0	181	4
14:00	0	149	36	1	4	0	0	0	0	0	0	0	0	190	5
15:00	0	201	75	0	9	0	0	0	0	0	0	0	0	285	9
16:00	1	247	61	0	4	0	0	1	0	0	0	0	0	314	5
17:00	0	265	60	1	5	0	0	0	0	0	0	0	0	331	6
18:00	0	179	28	0	4	0	0	0	0	0	0	0	0	211	4
19:00	0	107	23	0	2	0	0	0	0	0	0	0	0	132	2
20:00	0	96	24	0	1	1	0	0	0	0	0	0	0	122	2
21:00	0	77	17	0	2	0	0	0	0	0	0	0	0	96	2
22:00	0	69	11	0	0	0	0	0	0	0	0	0	0	80	0
23:00	0	38	3	0	0	0	0	0	0	0	0	0	0	41	0
Total	5	2237	563	6	56	5	0	1	1	0	0	0	0	2874	69
Percent	0.2%	77.8%	19.6%	0.2%	1.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.4%
AM Peak	09:00	11:00	10:00	10:00	07:00	00:00			06:00					11:00	10:00
Vol.	2	112	35	2	4	1			1					141	6
PM Peak	16:00	17:00	15:00	14:00	15:00	13:00		16:00						17:00	15:00
Vol.	1	265	75	1	9	1		1						331	9

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

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
07/15/09	0	20	4	0	0	0	0	0	0	0	0	0	0	24	0
01:00	0	11	3	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	15	3	0	0	0	0	0	0	0	0	0	0	18	0
04:00	0	4	1	0	0	1	0	0	0	0	0	0	0	6	1
05:00	0	15	2	0	1	0	0	0	0	0	0	0	0	18	1
06:00	0	20	2	0	0	1	0	0	0	0	0	0	0	23	1
07:00	0	52	19	0	3	2	0	1	1	0	0	0	0	78	7
08:00	0	84	28	1	3	0	0	0	0	0	0	0	0	116	4
09:00	0	71	31	0	3	0	0	1	0	0	0	0	0	106	4
10:00	0	93	20	0	2	2	0	0	0	0	0	0	0	117	4
11:00	0	99	27	1	5	0	0	0	0	0	0	0	0	132	6
12 PM	0	130	29	1	1	0	0	0	0	0	0	0	0	161	2
13:00	0	106	37	0	3	0	0	0	0	0	0	0	0	146	3
14:00	0	142	34	1	3	2	0	0	1	0	0	0	0	183	7
15:00	0	208	42	0	6	0	0	3	0	0	0	0	0	259	9
16:00	1	242	47	0	5	0	0	0	0	0	0	0	0	295	5
17:00	1	232	55	0	2	2	0	1	0	0	0	0	0	293	5
18:00	0	198	32	0	6	0	0	0	0	0	0	0	0	236	6
19:00	0	150	20	0	3	0	0	0	0	0	0	0	0	173	3
20:00	0	129	25	0	0	0	0	0	0	0	0	0	0	154	0
21:00	0	73	17	0	1	0	0	0	0	0	0	0	0	91	1
22:00	0	68	15	0	1	0	0	0	0	0	0	0	0	84	1
23:00	0	44	8	0	1	0	0	0	0	0	0	0	0	53	1
Total	2	2212	501	4	49	10	0	6	2	0	0	0	0	2786	71
Percent	0.1%	79.4%	18.0%	0.1%	1.8%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		2.5%
AM Peak		11:00	09:00	08:00	11:00	07:00		07:00	07:00					11:00	07:00
Vol.		99	31	1	5	2		1	1					132	7
PM Peak	16:00	16:00	17:00	12:00	15:00	14:00		15:00	14:00					16:00	15:00
Vol.	1	242	55	1	6	2		3	1					295	9
Grand Total	7	4449	1064	10	105	15	0	7	3	0	0	0	0	5660	140
Percent	0.1%	78.6%	18.8%	0.2%	1.9%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		2.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Prospect St, east of Pleasant St (139)

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
07/14/09	0	32	10	0	0	1	0	0	0	0	0	0	0	43	1
01:00	0	16	2	0	0	0	0	0	0	0	0	0	0	18	0
02:00	0	15	0	0	0	0	0	0	0	0	0	0	0	15	0
03:00	0	8	3	0	1	0	0	0	0	0	0	0	0	12	1
04:00	0	11	1	0	0	0	0	0	0	0	0	0	0	12	0
05:00	3	34	12	1	0	0	0	0	0	0	0	0	0	50	1
06:00	1	135	40	0	3	0	0	0	1	0	0	0	0	180	4
07:00	0	287	51	2	5	1	0	0	0	0	0	0	0	346	8
08:00	2	300	60	1	7	0	0	0	0	0	0	0	0	370	8
09:00	4	191	53	0	12	1	0	0	0	0	0	0	0	261	13
10:00	1	198	54	3	5	0	0	0	0	0	0	0	0	261	8
11:00	1	219	41	0	8	0	0	0	0	0	0	0	0	269	8
12 PM	2	263	63	1	6	0	0	0	0	0	0	0	0	335	7
13:00	1	266	61	0	6	1	0	0	0	0	0	0	0	335	7
14:00	1	259	63	2	6	0	0	0	0	0	0	0	0	331	8
15:00	2	339	92	0	9	1	0	1	0	0	0	0	0	444	11
16:00	3	383	89	0	7	0	0	2	0	0	0	0	0	484	9
17:00	1	421	85	1	10	1	0	0	0	0	0	0	0	519	12
18:00	1	295	43	0	5	0	0	0	0	0	0	0	0	344	5
19:00	2	214	41	0	4	0	0	0	0	0	0	0	0	261	4
20:00	0	173	37	0	2	1	0	0	0	0	0	0	0	213	3
21:00	2	122	23	0	3	0	0	0	0	0	0	0	0	150	3
22:00	0	116	18	0	0	0	0	0	0	0	0	0	0	134	0
23:00	0	67	6	0	0	0	0	0	0	0	0	0	0	73	0
Total	27	4364	948	11	99	7	0	3	1	0	0	0	0	5460	121
Percent	0.5%	79.9%	17.4%	0.2%	1.8%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		2.2%
AM Peak	09:00	08:00	08:00	10:00	09:00	00:00			06:00					08:00	09:00
Vol.	4	300	60	3	12	1			1					370	13
PM Peak	16:00	17:00	15:00	14:00	17:00	13:00		16:00						17:00	17:00
Vol.	3	421	92	2	10	1		2						519	12

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

Start Time	13-Jul-09		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	8	10	22	14	*	*	*	*	*	*	*	*	15	12
01:00	*	*	5	9	6	12	*	*	*	*	*	*	*	*	6	10
02:00	*	*	5	4	10	4	*	*	*	*	*	*	*	*	8	4
03:00	*	*	3	5	18	13	*	*	*	*	*	*	*	*	10	9
04:00	*	*	5	14	6	19	*	*	*	*	*	*	*	*	6	16
05:00	*	*	23	41	30	46	*	*	*	*	*	*	*	*	26	44
06:00	*	*	79	110	68	129	*	*	*	*	*	*	*	*	74	120
07:00	*	*	134	201	144	176	*	*	*	*	*	*	*	*	139	188
08:00	*	*	204	213	177	209	*	*	*	*	*	*	*	*	190	211
09:00	*	*	158	228	173	213	*	*	*	*	*	*	*	*	166	220
10:00	*	*	164	175	156	178	*	*	*	*	*	*	*	*	160	176
11:00	*	*	181	185	168	178	*	*	*	*	*	*	*	*	174	182
12:00 PM	*	*	217	189	181	217	*	*	*	*	*	*	*	*	199	203
01:00	*	*	179	183	180	177	*	*	*	*	*	*	*	*	180	180
02:00	*	*	209	201	188	197	*	*	*	*	*	*	*	*	198	199
03:00	*	*	210	232	210	208	*	*	*	*	*	*	*	*	210	220
04:00	*	*	309	247	270	277	*	*	*	*	*	*	*	*	290	262
05:00	*	*	284	255	290	234	*	*	*	*	*	*	*	*	287	244
06:00	*	*	174	204	170	231	*	*	*	*	*	*	*	*	172	218
07:00	*	*	184	187	170	168	*	*	*	*	*	*	*	*	177	178
08:00	*	*	132	105	153	140	*	*	*	*	*	*	*	*	142	122
09:00	*	*	90	68	115	90	*	*	*	*	*	*	*	*	102	79
10:00	*	*	55	40	55	50	*	*	*	*	*	*	*	*	55	45
11:00	*	*	36	34	45	34	*	*	*	*	*	*	*	*	40	34
Total	0	0	3048	3140	3005	3214	0	0	0	0	0	0	0	0	3026	3176
Day	0	0	6188		6219		0	0	0	0	0	0	0	0	6202	
AM Peak			08:00	09:00	08:00	09:00									08:00	09:00
Vol.			204	228	177	213									190	220
PM Peak			16:00	17:00	17:00	16:00									16:00	16:00
Vol.			309	255	290	277									290	262
Comb. Total	0		6188		6219		0	0	0	0	0	0	0		6202	

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	18	36	*	*	*	*	27
01:00	*	14	18	*	*	*	*	16
02:00	*	9	14	*	*	*	*	12
03:00	*	8	31	*	*	*	*	20
04:00	*	19	25	*	*	*	*	22
05:00	*	64	76	*	*	*	*	70
06:00	*	189	197	*	*	*	*	193
07:00	*	335	320	*	*	*	*	328
08:00	*	417	386	*	*	*	*	402
09:00	*	386	386	*	*	*	*	386
10:00	*	339	334	*	*	*	*	336
11:00	*	366	346	*	*	*	*	356
12:00 PM	*	406	398	*	*	*	*	402
01:00	*	362	357	*	*	*	*	360
02:00	*	410	385	*	*	*	*	398
03:00	*	442	418	*	*	*	*	430
04:00	*	556	547	*	*	*	*	552
05:00	*	539	524	*	*	*	*	532
06:00	*	378	401	*	*	*	*	390
07:00	*	371	338	*	*	*	*	354
08:00	*	237	293	*	*	*	*	265
09:00	*	158	205	*	*	*	*	182
10:00	*	95	105	*	*	*	*	100
11:00	*	70	79	*	*	*	*	74
Total	0	6188	6219	0	0	0	0	6207
Percentage	0.0%	99.7%	100.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		417	386					402
PM Peak		16:00	16:00					16:00
Vol.		556	547					552

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

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
07/14/09	0	0	0	1	3	3	1	0	0	0	0	0	0	0	8
01:00	0	0	0	2	1	1	0	0	1	0	0	0	0	0	5
02:00	0	0	1	0	1	1	2	0	0	0	0	0	0	0	5
03:00	0	0	0	1	0	1	1	0	0	0	0	0	0	0	3
04:00	0	0	0	0	2	1	2	0	0	0	0	0	0	0	5
05:00	2	0	2	4	9	4	2	0	0	0	0	0	0	0	23
06:00	1	0	1	9	31	26	11	0	0	0	0	0	0	0	79
07:00	5	0	5	23	58	33	10	0	0	0	0	0	0	0	134
08:00	10	2	8	53	72	49	9	1	0	0	0	0	0	0	204
09:00	5	0	5	28	77	37	6	0	0	0	0	0	0	0	158
10:00	3	0	1	26	95	34	5	0	0	0	0	0	0	0	164
11:00	5	2	2	27	93	48	4	0	0	0	0	0	0	0	181
12 PM	10	1	4	44	103	50	3	2	0	0	0	0	0	0	217
13:00	4	0	7	38	76	43	8	2	1	0	0	0	0	0	179
14:00	8	1	4	45	100	47	4	0	0	0	0	0	0	0	209
15:00	7	0	3	34	106	49	11	0	0	0	0	0	0	0	210
16:00	4	0	6	91	143	53	11	1	0	0	0	0	0	0	309
17:00	7	1	6	66	129	65	10	0	0	0	0	0	0	0	284
18:00	5	3	8	34	85	30	7	2	0	0	0	0	0	0	174
19:00	4	0	3	55	84	33	5	0	0	0	0	0	0	0	184
20:00	2	0	6	48	43	28	4	1	0	0	0	0	0	0	132
21:00	2	0	7	32	38	10	1	0	0	0	0	0	0	0	90
22:00	2	0	1	6	28	14	3	1	0	0	0	0	0	0	55
23:00	0	0	2	11	18	3	1	1	0	0	0	0	0	0	36
Total	86	10	82	678	1395	663	121	11	2	0	0	0	0	0	3048

Daily
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2073
 Percent in Pace : 68.0%
 Number of Vehicles > 30 MPH : 2192
 Percent of Vehicles > 30 MPH : 71.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

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
07:15/09	0	0	0	4	10	7	0	1	0	0	0	0	0	0	22
01:00	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6
02:00	0	0	0	2	3	4	1	0	0	0	0	0	0	0	10
03:00	2	0	0	2	6	7	0	1	0	0	0	0	0	0	18
04:00	0	0	0	1	2	3	0	0	0	0	0	0	0	0	6
05:00	1	0	2	4	10	8	5	0	0	0	0	0	0	0	30
06:00	1	0	0	8	27	24	5	3	0	0	0	0	0	0	68
07:00	1	0	3	25	56	48	11	0	0	0	0	0	0	0	144
08:00	1	0	5	35	66	49	20	1	0	0	0	0	0	0	177
09:00	4	0	8	35	63	51	12	0	0	0	0	0	0	0	173
10:00	0	1	5	29	75	38	6	1	1	0	0	0	0	0	156
11:00	7	4	15	26	74	36	5	1	0	0	0	0	0	0	168
12 PM	5	0	2	48	69	48	8	1	0	0	0	0	0	0	181
13:00	6	0	9	39	65	47	12	2	0	0	0	0	0	0	180
14:00	10	3	8	45	82	28	9	3	0	0	0	0	0	0	188
15:00	7	1	5	30	92	63	11	1	0	0	0	0	0	0	210
16:00	6	0	5	53	115	79	10	2	0	0	0	0	0	0	270
17:00	6	1	10	76	133	52	12	0	0	0	0	0	0	0	290
18:00	3	0	5	46	79	30	6	1	0	0	0	0	0	0	170
19:00	2	0	2	51	80	30	5	0	0	0	0	0	0	0	170
20:00	5	1	7	54	64	16	6	0	0	0	0	0	0	0	153
21:00	3	2	12	31	46	18	3	0	0	0	0	0	0	0	115
22:00	0	0	7	19	23	6	0	0	0	0	0	0	0	0	55
23:00	1	0	2	12	19	10	1	0	0	0	0	0	0	0	45
Total	71	13	112	677	1263	702	148	18	1	0	0	0	0	0	3005

Daily
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1965
 Percent in Pace : 65.4%
 Number of Vehicles > 30 MPH : 2132
 Percent of Vehicles > 30 MPH : 70.9%

Grand Total	157	23	194	1355	2658	1365	269	29	3	0	0	0	0	0	6053
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Overall
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 4023
 Percent in Pace : 66.5%
 Number of Vehicles > 30 MPH : 4324
 Percent of Vehicles > 30 MPH : 71.4%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

NB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07/14/09	1	0	0	4	2	1	1	1	0	0	0	0	0	0	10
01:00	0	0	0	0	5	2	2	0	0	0	0	0	0	0	9
02:00	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
03:00	0	0	0	1	1	1	1	0	0	1	0	0	0	0	5
04:00	0	0	0	3	6	2	1	1	1	0	0	0	0	0	14
05:00	1	0	1	5	8	12	11	2	1	0	0	0	0	0	41
06:00	5	0	5	17	26	35	13	4	2	3	0	0	0	0	110
07:00	13	0	12	36	46	44	36	7	4	2	1	0	0	0	201
08:00	14	0	14	43	67	39	27	6	2	0	1	0	0	0	213
09:00	12	0	6	41	80	52	29	5	2	1	0	0	0	0	228
10:00	4	1	6	26	55	50	22	8	2	1	0	0	0	0	175
11:00	11	2	2	37	49	53	21	8	0	2	0	0	0	0	185
12 PM	25	2	11	36	47	44	15	8	1	0	0	0	0	0	189
13:00	21	0	8	43	57	30	18	6	0	0	0	0	0	0	183
14:00	21	2	17	40	55	45	18	2	1	0	0	0	0	0	201
15:00	24	0	3	37	76	54	25	11	2	0	0	0	0	0	232
16:00	27	0	10	47	66	59	28	6	3	0	1	0	0	0	247
17:00	24	0	10	45	81	51	34	3	4	1	1	1	0	0	255
18:00	13	1	12	49	47	41	28	7	3	2	1	0	0	0	204
19:00	11	0	8	49	55	32	20	5	5	2	0	0	0	0	187
20:00	4	0	4	27	40	17	6	6	0	1	0	0	0	0	105
21:00	3	1	3	21	17	14	4	4	1	0	0	0	0	0	68
22:00	1	1	3	13	7	7	5	3	0	0	0	0	0	0	40
23:00	0	0	1	12	3	10	3	2	1	1	1	0	0	0	34
Total	235	10	137	632	898	696	368	105	35	17	6	1	0	0	3140

Daily
 15th Percentile : 26 MPH
 50th Percentile : 34 MPH
 85th Percentile : 41 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1594
 Percent in Pace : 50.8%
 Number of Vehicles > 30 MPH : 2126
 Percent of Vehicles > 30 MPH : 67.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

NB

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			
07/15/09	0	0	0	3	7	1	2	1	0	0	0	0	0	0	0	14
01:00	0	0	0	4	5	1	1	0	1	0	0	0	0	0	0	12
02:00	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	4
03:00	0	0	1	2	3	3	2	0	1	0	1	0	0	0	0	13
04:00	0	0	1	5	2	6	2	2	1	0	0	0	0	0	0	19
05:00	1	0	3	11	12	5	10	2	1	1	0	0	0	0	0	46
06:00	5	0	2	25	38	33	12	13	0	1	0	0	0	0	0	129
07:00	9	1	6	36	53	39	17	8	4	1	2	0	0	0	0	176
08:00	8	0	5	41	66	44	29	13	3	0	0	0	0	0	0	209
09:00	4	1	6	44	66	50	30	8	4	0	0	0	0	0	0	213
10:00	12	0	11	40	41	34	26	10	3	1	0	0	0	0	0	178
11:00	13	0	7	40	50	42	19	5	2	0	0	0	0	0	0	178
12 PM	17	1	13	34	65	45	31	8	1	2	0	0	0	0	0	217
13:00	28	0	4	31	47	30	25	6	3	2	0	1	0	0	0	177
14:00	28	2	7	26	42	55	27	7	3	0	0	0	0	0	0	197
15:00	29	0	3	39	54	51	22	10	0	0	0	0	0	0	0	208
16:00	37	1	5	48	74	66	35	10	0	0	0	1	0	0	0	277
17:00	31	1	6	32	56	54	33	15	3	1	2	0	0	0	0	234
18:00	22	1	5	65	62	46	19	5	6	0	0	0	0	0	0	231
19:00	8	0	7	37	54	34	16	7	2	1	1	1	0	0	0	168
20:00	8	0	8	41	45	19	10	6	3	0	0	0	0	0	0	140
21:00	5	2	9	25	25	14	9	0	1	0	0	0	0	0	0	90
22:00	1	1	1	14	16	8	1	6	2	0	0	0	0	0	0	50
23:00	1	1	1	12	8	5	2	1	2	1	0	0	0	0	0	34
Total	267	12	112	656	892	685	380	143	47	11	6	3	0	0	0	3214

Daily
 15th Percentile : 26 MPH
 50th Percentile : 34 MPH
 85th Percentile : 42 MPH
 95th Percentile : 47 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1577
 Percent in Pace : 49.1%
 Number of Vehicles > 30 MPH : 2167
 Percent of Vehicles > 30 MPH : 67.4%

Grand Total	502	22	249	1288	1790	1381	748	248	82	28	12	4	0	0	0	6354
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 34 MPH
 85th Percentile : 42 MPH
 95th Percentile : 47 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3171
 Percent in Pace : 49.9%
 Number of Vehicles > 30 MPH : 4293
 Percent of Vehicles > 30 MPH : 67.6%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

SB, NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	1	0	0	5	5	4	2	1	0	0	0	0	0	0	18
01:00	0	0	0	2	6	3	2	0	1	0	0	0	0	0	14
02:00	0	0	2	0	3	2	2	0	0	0	0	0	0	0	9
03:00	0	0	0	2	1	2	2	0	0	1	0	0	0	0	8
04:00	0	0	0	3	8	3	3	1	1	0	0	0	0	0	19
05:00	3	0	3	9	17	16	13	2	1	0	0	0	0	0	64
06:00	6	0	6	26	57	61	24	4	2	3	0	0	0	0	189
07:00	18	0	17	59	104	77	46	7	4	2	1	0	0	0	335
08:00	24	2	22	96	139	88	36	7	2	0	1	0	0	0	417
09:00	17	0	11	69	157	89	35	5	2	1	0	0	0	0	386
10:00	7	1	7	52	150	84	27	8	2	1	0	0	0	0	339
11:00	16	4	4	64	142	101	25	8	0	2	0	0	0	0	366
12 PM	35	3	15	80	150	94	18	10	1	0	0	0	0	0	406
13:00	25	0	15	81	133	73	26	8	1	0	0	0	0	0	362
14:00	29	3	21	85	155	92	22	2	1	0	0	0	0	0	410
15:00	31	0	6	71	182	103	36	11	2	0	0	0	0	0	442
16:00	31	0	16	138	209	112	39	7	3	0	1	0	0	0	556
17:00	31	1	16	111	210	116	44	3	4	1	1	1	0	0	539
18:00	18	4	20	83	132	71	35	9	3	2	1	0	0	0	378
19:00	15	0	11	104	139	65	25	5	5	2	0	0	0	0	371
20:00	6	0	10	75	83	45	10	7	0	1	0	0	0	0	237
21:00	5	1	10	53	55	24	5	4	1	0	0	0	0	0	158
22:00	3	1	4	19	35	21	8	4	0	0	0	0	0	0	95
23:00	0	0	3	23	21	13	4	3	1	1	1	0	0	0	70
Total	321	20	219	1310	2293	1359	489	116	37	17	6	1	0	0	6188

Daily
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3652
 Percent in Pace : 59.0%
 Number of Vehicles > 30 MPH : 4318
 Percent of Vehicles > 30 MPH : 69.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

SB, 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
07/15/09	0	0	0	7	17	8	2	2	0	0	0	0	0	0	36
01:00	0	0	0	6	9	1	1	0	1	0	0	0	0	0	18
02:00	0	0	1	3	4	4	1	0	1	0	0	0	0	0	14
03:00	2	0	1	4	9	10	2	1	1	0	1	0	0	0	31
04:00	0	0	1	6	4	9	2	2	1	0	0	0	0	0	25
05:00	2	0	5	15	22	13	15	2	1	1	0	0	0	0	76
06:00	6	0	2	33	65	57	17	16	0	1	0	0	0	0	197
07:00	10	1	9	61	109	87	28	8	4	1	2	0	0	0	320
08:00	9	0	10	76	132	93	49	14	3	0	0	0	0	0	386
09:00	8	1	14	79	129	101	42	8	4	0	0	0	0	0	386
10:00	12	1	16	69	116	72	32	11	4	1	0	0	0	0	334
11:00	20	4	22	66	124	78	24	6	2	0	0	0	0	0	346
12 PM	22	1	15	82	134	93	39	9	1	2	0	0	0	0	398
13:00	34	0	13	70	112	77	37	8	3	2	0	1	0	0	357
14:00	38	5	15	71	124	83	36	10	3	0	0	0	0	0	385
15:00	36	1	8	69	146	114	33	11	0	0	0	0	0	0	418
16:00	43	1	10	101	189	145	45	12	0	0	0	1	0	0	547
17:00	37	2	16	108	189	106	45	15	3	1	2	0	0	0	524
18:00	25	1	10	111	141	76	25	6	6	0	0	0	0	0	401
19:00	10	0	9	88	134	64	21	7	2	1	1	1	0	0	338
20:00	13	1	15	95	109	35	16	6	3	0	0	0	0	0	293
21:00	8	4	21	56	71	32	12	0	1	0	0	0	0	0	205
22:00	1	1	8	33	39	14	1	6	2	0	0	0	0	0	105
23:00	2	1	3	24	27	15	3	1	2	1	0	0	0	0	79
Total	338	25	224	1333	2155	1387	528	161	48	11	6	3	0	0	6219

Daily
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 40 MPH
 95th Percentile : 45 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3542
 Percent in Pace : 57.0%
 Number of Vehicles > 30 MPH : 4299
 Percent of Vehicles > 30 MPH : 69.1%

Grand Total	659	45	443	2643	4448	2746	1017	277	85	28	12	4	0	0	12407
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Overall
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 7194
 Percent in Pace : 58.0%
 Number of Vehicles > 30 MPH : 8617
 Percent of Vehicles > 30 MPH : 69.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

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
07/14/09	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
01:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3	1
04:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
05:00	0	14	9	0	0	0	0	0	0	0	0	0	0	23	0
06:00	0	53	21	0	3	0	0	0	2	0	0	0	0	79	5
07:00	3	99	25	0	4	0	0	0	2	0	0	0	0	133	6
08:00	1	146	49	1	6	1	0	0	0	0	0	0	0	204	8
09:00	1	102	46	1	7	0	0	0	0	0	0	0	0	157	8
10:00	0	119	36	0	6	1	0	1	1	0	0	0	0	164	9
11:00	0	127	49	0	1	3	0	1	0	0	0	0	0	181	5
12 PM	0	157	50	1	7	1	0	0	0	0	0	0	0	216	9
13:00	0	117	51	0	7	2	0	2	0	0	0	0	0	179	11
14:00	1	147	47	1	11	1	0	0	1	0	0	0	0	209	14
15:00	1	152	48	0	5	2	0	1	1	0	0	0	0	210	9
16:00	6	228	66	0	9	0	0	0	0	0	0	0	0	309	9
17:00	1	229	51	0	2	1	0	0	0	0	0	0	0	284	3
18:00	0	126	40	0	6	0	0	0	1	0	0	0	0	173	7
19:00	1	145	33	0	4	0	0	1	0	0	0	0	0	184	5
20:00	1	105	23	0	3	0	0	0	0	0	0	0	0	132	3
21:00	0	77	13	0	0	0	0	0	0	0	0	0	0	90	0
22:00	1	42	12	0	0	0	0	0	0	0	0	0	0	55	0
23:00	0	30	6	0	0	0	0	0	0	0	0	0	0	36	0
Total	17	2239	676	4	82	12	0	6	8	0	0	0	0	3044	112
Percent	0.6%	73.6%	22.2%	0.1%	2.7%	0.4%	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%		3.7%
AM Peak	07:00	08:00	08:00	08:00	09:00	11:00		10:00	06:00					08:00	10:00
Vol.	3	146	49	1	7	3		1	2					204	9
PM Peak	16:00	17:00	16:00	12:00	14:00	13:00		13:00	14:00					16:00	14:00
Vol.	6	229	66	1	11	2		2	1					309	14

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID: 6236
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Lincoln St, south of Central St

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
07/15/09	1	18	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	9	1	0	0	0	0	0	0	0	0	0	0	10	0
03:00	0	13	4	0	1	0	0	0	0	0	0	0	0	18	1
04:00	0	3	2	0	1	0	0	0	0	0	0	0	0	6	1
05:00	0	19	10	0	0	1	0	0	0	0	0	0	0	30	1
06:00	0	48	17	0	2	1	0	0	0	0	0	0	0	68	3
07:00	1	98	42	0	2	1	0	0	0	0	0	0	0	144	3
08:00	0	128	39	1	7	1	0	1	0	0	0	0	0	177	10
09:00	1	124	41	0	5	2	0	0	0	0	0	0	0	173	7
10:00	0	116	31	0	6	3	0	0	0	0	0	0	0	156	9
11:00	0	116	47	0	4	1	0	0	0	0	0	0	0	168	5
12 PM	0	128	43	1	8	0	0	0	0	0	0	0	0	180	9
13:00	1	128	40	1	8	0	0	0	2	0	0	0	0	180	11
14:00	1	133	41	1	10	0	0	2	1	0	0	0	0	189	14
15:00	0	135	65	0	8	1	0	1	0	0	0	0	0	210	10
16:00	3	203	54	0	8	0	0	1	1	0	0	0	0	270	10
17:00	3	228	53	0	6	0	0	0	0	0	0	0	0	290	6
18:00	0	113	54	0	2	1	0	0	0	0	0	0	0	170	3
19:00	3	131	32	0	4	0	0	0	0	0	0	0	0	170	4
20:00	1	120	30	0	2	0	0	0	0	0	0	0	0	153	2
21:00	1	83	28	0	2	1	0	0	0	0	0	0	0	115	3
22:00	0	42	13	0	0	0	0	0	0	0	0	0	0	55	0
23:00	0	38	7	0	0	0	0	0	0	0	0	0	0	45	0
Total	16	2180	697	4	86	13	0	5	4	0	0	0	0	3005	112
Percent	0.5%	72.5%	23.2%	0.1%	2.9%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.7%
AM Peak	00:00	08:00	11:00	08:00	08:00	10:00		08:00						08:00	08:00
Vol.	1	128	47	1	7	3		1						177	10
PM Peak	16:00	17:00	15:00	12:00	14:00	15:00		14:00	13:00					17:00	14:00
Vol.	3	228	65	1	10	1		2	2					290	14
Grand Total	33	4419	1373	8	168	25	0	11	12	0	0	0	0	6049	224
Percent	0.5%	73.1%	22.7%	0.1%	2.8%	0.4%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		3.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

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
07/14/09	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
01:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	1	4	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	10	3	0	1	0	0	0	0	0	0	0	0	14	1
05:00	0	15	17	1	8	0	0	0	0	0	0	0	0	41	9
06:00	0	53	37	1	18	0	0	0	0	0	0	0	0	109	19
07:00	0	109	61	0	27	1	0	0	3	0	0	0	0	201	31
08:00	0	124	62	2	24	0	0	0	1	0	0	0	0	213	27
09:00	0	124	80	2	21	0	0	1	0	0	0	0	0	228	24
10:00	0	102	61	0	12	0	0	0	0	0	0	0	0	175	12
11:00	0	113	50	1	20	0	0	1	0	0	0	0	0	185	22
12 PM	0	110	61	1	16	0	0	0	0	0	0	0	0	188	17
13:00	0	119	52	0	12	0	0	0	0	0	0	0	0	183	12
14:00	0	135	47	0	18	0	0	1	0	0	0	0	0	201	19
15:00	0	140	67	0	22	0	0	1	1	0	0	0	0	231	24
16:00	0	154	68	0	24	0	0	0	1	0	0	0	0	247	25
17:00	0	171	67	0	16	0	0	0	0	0	0	0	0	254	16
18:00	0	127	53	0	25	0	0	0	0	0	0	0	0	205	25
19:00	0	122	52	0	13	0	0	0	0	0	0	0	0	187	13
20:00	0	68	29	0	8	0	0	0	0	0	0	0	0	105	8
21:00	0	49	16	0	3	0	0	0	0	0	0	0	0	68	3
22:00	0	32	6	0	2	0	0	0	0	0	0	0	0	40	2
23:00	0	23	7	0	4	0	0	0	0	0	0	0	0	34	4
Total	0	1919	905	8	294	1	0	4	6	0	0	0	0	3137	313
Percent	0.0%	61.2%	28.8%	0.3%	9.4%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%		10.0%
AM Peak		08:00	09:00	08:00	07:00	07:00		09:00	07:00					09:00	07:00
Vol.		124	80	2	27	1		1	3					228	31
PM Peak		17:00	16:00	12:00	18:00			14:00	15:00					17:00	16:00
Vol.		171	68	1	25			1	1					254	25

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID: 6236
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Lincoln St, south of Central St

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	
07/15/09	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0	
01:00	0	8	2	0	2	0	0	0	0	0	0	0	0	12	2	
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0	
03:00	0	6	6	0	1	0	0	0	0	0	0	0	0	13	1	
04:00	0	12	6	0	1	0	0	0	0	0	0	0	0	19	1	
05:00	2	25	7	0	12	0	0	0	0	0	0	0	0	46	12	
06:00	1	61	47	0	19	0	0	0	0	0	0	0	0	128	19	
07:00	0	97	56	1	20	0	0	1	0	0	0	0	0	175	22	
08:00	0	126	64	0	19	0	0	0	0	0	0	0	0	209	19	
09:00	0	120	70	1	21	0	0	1	0	0	0	0	0	213	23	
10:00	0	110	53	1	13	1	0	0	0	0	0	0	0	178	15	
11:00	1	97	68	0	12	1	0	0	0	0	0	0	0	179	13	
12 PM	0	118	72	0	27	0	0	0	0	0	0	0	0	217	27	
13:00	0	100	58	1	18	0	0	0	0	0	0	0	0	177	19	
14:00	0	110	76	0	11	0	0	0	0	0	0	0	0	197	11	
15:00	0	115	74	1	17	0	0	1	0	0	0	0	0	208	19	
16:00	1	163	91	1	20	0	0	0	0	0	0	0	0	276	21	
17:00	0	127	82	1	22	0	0	1	0	0	0	0	0	233	24	
18:00	0	145	65	0	21	0	0	0	0	0	0	0	0	231	21	
19:00	0	106	42	0	19	0	0	0	0	0	0	0	0	167	19	
20:00	0	98	34	0	8	0	0	0	0	0	0	0	0	140	8	
21:00	0	59	25	0	6	0	0	0	0	0	0	0	0	90	6	
22:00	0	32	12	0	6	0	0	0	0	0	0	0	0	50	6	
23:00	0	21	9	0	4	0	0	0	0	0	0	0	0	34	4	
Total	5	1871	1022	7	299	2	0	4	0	0	0	0	0	3210	312	
Percent	0.2%	58.3%	31.8%	0.2%	9.3%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		9.7%	
AM Peak	05:00	08:00	09:00	07:00	09:00	10:00		07:00						09:00	09:00	
Vol.	2	126	70	1	21	1		1						213	23	
PM Peak	16:00	16:00	16:00	13:00	12:00			15:00						16:00	12:00	
Vol.	1	163	91	1	27			1						276	27	
Grand Total	5	3790	1927	15	593	3	0	8	6	0	0	0	0	6347	625	
Percent	0.1%	59.7%	30.4%	0.2%	9.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		9.8%	

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

SB, 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
07/14/09	0	16	2	0	0	0	0	0	0	0	0	0	0	18	0
01:00	0	11	3	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9	0
03:00	0	2	5	0	1	0	0	0	0	0	0	0	0	8	1
04:00	0	15	3	0	1	0	0	0	0	0	0	0	0	19	1
05:00	0	29	26	1	8	0	0	0	0	0	0	0	0	64	9
06:00	0	106	58	1	21	0	0	0	2	0	0	0	0	188	24
07:00	3	208	86	0	31	1	0	0	5	0	0	0	0	334	37
08:00	1	270	111	3	30	1	0	0	1	0	0	0	0	417	35
09:00	1	226	126	3	28	0	0	1	0	0	0	0	0	385	32
10:00	0	221	97	0	18	1	0	1	1	0	0	0	0	339	21
11:00	0	240	99	1	21	3	0	2	0	0	0	0	0	366	27
12 PM	0	267	111	2	23	1	0	0	0	0	0	0	0	404	26
13:00	0	236	103	0	19	2	0	2	0	0	0	0	0	362	23
14:00	1	282	94	1	29	1	0	1	1	0	0	0	0	410	33
15:00	1	292	115	0	27	2	0	2	2	0	0	0	0	441	33
16:00	6	382	134	0	33	0	0	0	1	0	0	0	0	556	34
17:00	1	400	118	0	18	1	0	0	0	0	0	0	0	538	19
18:00	0	253	93	0	31	0	0	0	1	0	0	0	0	378	32
19:00	1	267	85	0	17	0	0	1	0	0	0	0	0	371	18
20:00	1	173	52	0	11	0	0	0	0	0	0	0	0	237	11
21:00	0	126	29	0	3	0	0	0	0	0	0	0	0	158	3
22:00	1	74	18	0	2	0	0	0	0	0	0	0	0	95	2
23:00	0	53	13	0	4	0	0	0	0	0	0	0	0	70	4
Total	17	4158	1581	12	376	13	0	10	14	0	0	0	0	6181	425
Percent	0.3%	67.3%	25.6%	0.2%	6.1%	0.2%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		6.9%
AM Peak	07:00	08:00	09:00	08:00	07:00	11:00		11:00	07:00					08:00	07:00
Vol.	3	270	126	3	31	3		2	5					417	37
PM Peak	16:00	17:00	16:00	12:00	16:00	13:00		13:00	15:00					16:00	16:00
Vol.	6	400	134	2	33	2		2	2					556	34

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID: 6236
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, south of Central St

SB, 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
	07/15/09	1	30	5	0	0	0	0	0	0	0	0	0	0	36	0
	01:00	0	14	2	0	2	0	0	0	0	0	0	0	0	18	2
	02:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
	03:00	0	19	10	0	2	0	0	0	0	0	0	0	0	31	2
	04:00	0	15	8	0	2	0	0	0	0	0	0	0	0	25	2
	05:00	2	44	17	0	12	1	0	0	0	0	0	0	0	76	13
	06:00	1	109	64	0	21	1	0	0	0	0	0	0	0	196	22
	07:00	1	195	98	1	22	1	0	1	0	0	0	0	0	319	25
	08:00	0	254	103	1	26	1	0	1	0	0	0	0	0	386	29
	09:00	1	244	111	1	26	2	0	1	0	0	0	0	0	386	30
	10:00	0	226	84	1	19	4	0	0	0	0	0	0	0	334	24
	11:00	1	213	115	0	16	2	0	0	0	0	0	0	0	347	18
	12 PM	0	246	115	1	35	0	0	0	0	0	0	0	0	397	36
	13:00	1	228	98	2	26	0	0	0	2	0	0	0	0	357	30
	14:00	1	243	117	1	21	0	0	2	1	0	0	0	0	386	25
	15:00	0	250	139	1	25	1	0	2	0	0	0	0	0	418	29
	16:00	4	366	145	1	28	0	0	1	1	0	0	0	0	546	31
	17:00	3	355	135	1	28	0	0	1	0	0	0	0	0	523	30
	18:00	0	258	119	0	23	1	0	0	0	0	0	0	0	401	24
	19:00	3	237	74	0	23	0	0	0	0	0	0	0	0	337	23
	20:00	1	218	64	0	10	0	0	0	0	0	0	0	0	293	10
	21:00	1	142	53	0	8	1	0	0	0	0	0	0	0	205	9
	22:00	0	74	25	0	6	0	0	0	0	0	0	0	0	105	6
	23:00	0	59	16	0	4	0	0	0	0	0	0	0	0	79	4
	Total	21	4051	1719	11	385	15	0	9	4	0	0	0	0	6215	424
	Percent	0.3%	65.2%	27.7%	0.2%	6.2%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		6.8%
	AM Peak	05:00	08:00	11:00	07:00	08:00	10:00		07:00						08:00	09:00
	Vol.	2	254	115	1	26	4		1						386	30
	PM Peak	16:00	16:00	16:00	13:00	12:00	15:00		14:00	13:00					16:00	12:00
	Vol.	4	366	145	2	35	1		2	2					546	36
	Grand Total	38	8209	3300	23	761	28	0	19	18	0	0	0	0	12396	849
	Percent	0.3%	66.2%	26.6%	0.2%	6.1%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		6.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

Start Time	13-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	*	*	8	14	13	11	*	*	*	*	*	*	*	*	10	12
01:00	*	*	7	11	11	7	*	*	*	*	*	*	*	*	9	9
02:00	*	*	4	3	7	4	*	*	*	*	*	*	*	*	6	4
03:00	*	*	8	1	10	7	*	*	*	*	*	*	*	*	9	4
04:00	*	*	10	10	9	9	*	*	*	*	*	*	*	*	10	10
05:00	*	*	21	31	22	31	*	*	*	*	*	*	*	*	22	31
06:00	*	*	79	65	69	59	*	*	*	*	*	*	*	*	74	62
07:00	*	*	156	105	155	85	*	*	*	*	*	*	*	*	156	95
08:00	*	*	207	122	203	122	*	*	*	*	*	*	*	*	205	122
09:00	*	*	147	136	179	147	*	*	*	*	*	*	*	*	163	142
10:00	*	*	163	112	147	169	*	*	*	*	*	*	*	*	155	140
11:00	*	*	152	123	158	150	*	*	*	*	*	*	*	*	155	136
12:00 PM	*	*	179	150	181	175	*	*	*	*	*	*	*	*	180	162
01:00	*	*	159	137	159	188	*	*	*	*	*	*	*	*	159	162
02:00	*	*	167	128	172	195	*	*	*	*	*	*	*	*	170	162
03:00	*	*	220	193	193	168	*	*	*	*	*	*	*	*	206	180
04:00	*	*	223	197	201	186	*	*	*	*	*	*	*	*	212	192
05:00	*	*	228	197	259	175	*	*	*	*	*	*	*	*	244	186
06:00	*	*	192	160	172	172	*	*	*	*	*	*	*	*	182	166
07:00	*	*	144	138	139	134	*	*	*	*	*	*	*	*	142	136
08:00	*	*	101	106	134	111	*	*	*	*	*	*	*	*	118	108
09:00	*	*	72	68	85	78	*	*	*	*	*	*	*	*	78	73
10:00	*	*	46	43	35	46	*	*	*	*	*	*	*	*	40	44
11:00	*	*	22	28	34	29	*	*	*	*	*	*	*	*	28	28
Total	0	0	2715	2278	2747	2458	0	0	0	0	0	0	0	0	2733	2366
Day	0	0	4993		5205		0	0	0	0	0	0	0	0	5099	
AM Peak			08:00	09:00	08:00	10:00									08:00	09:00
Vol.			207	136	203	169									205	142
PM Peak			17:00	16:00	17:00	14:00									17:00	16:00
Vol.			228	197	259	195									244	192

Comb. Total 0 4993 5205 0 0 0 0 5099

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	22	24	*	*	*	*	23
01:00	*	18	18	*	*	*	*	18
02:00	*	7	11	*	*	*	*	9
03:00	*	9	17	*	*	*	*	13
04:00	*	20	18	*	*	*	*	19
05:00	*	52	53	*	*	*	*	52
06:00	*	144	128	*	*	*	*	136
07:00	*	261	240	*	*	*	*	250
08:00	*	329	325	*	*	*	*	327
09:00	*	283	326	*	*	*	*	304
10:00	*	275	316	*	*	*	*	296
11:00	*	275	308	*	*	*	*	292
12:00 PM	*	329	356	*	*	*	*	342
01:00	*	296	347	*	*	*	*	322
02:00	*	295	367	*	*	*	*	331
03:00	*	413	361	*	*	*	*	387
04:00	*	420	387	*	*	*	*	404
05:00	*	425	434	*	*	*	*	430
06:00	*	352	344	*	*	*	*	348
07:00	*	282	273	*	*	*	*	278
08:00	*	207	245	*	*	*	*	226
09:00	*	140	163	*	*	*	*	152
10:00	*	89	81	*	*	*	*	85
11:00	*	50	63	*	*	*	*	56
Total	0	4993	5205	0	0	0	0	5100
Percentage	0.0%	97.9%	102.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	09:00					08:00
Vol.		329	326					327
PM Peak		17:00	17:00					17:00
Vol.		425	434					430

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
07/14/09	0	0	2	2	3	1	0	0	0	0	0	0	0	0	8
01:00	0	0	0	3	2	2	0	0	0	0	0	0	0	0	7
02:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
03:00	0	0	1	1	2	3	0	1	0	0	0	0	0	0	8
04:00	0	0	1	1	4	2	1	1	0	0	0	0	0	0	10
05:00	1	1	3	5	8	3	0	0	0	0	0	0	0	0	21
06:00	3	0	4	17	31	21	2	1	0	0	0	0	0	0	79
07:00	0	0	8	29	71	40	8	0	0	0	0	0	0	0	156
08:00	2	3	6	39	100	49	7	1	0	0	0	0	0	0	207
09:00	1	0	8	38	68	27	5	0	0	0	0	0	0	0	147
10:00	5	4	11	48	66	29	0	0	0	0	0	0	0	0	163
11:00	0	0	5	39	80	26	2	0	0	0	0	0	0	0	152
12 PM	1	0	2	39	91	42	4	0	0	0	0	0	0	0	179
13:00	10	0	15	35	73	22	4	0	0	0	0	0	0	0	159
14:00	6	3	12	42	75	27	2	0	0	0	0	0	0	0	167
15:00	6	6	17	55	97	39	0	0	0	0	0	0	0	0	220
16:00	5	4	9	50	109	42	3	0	1	0	0	0	0	0	223
17:00	4	3	10	63	103	42	3	0	0	0	0	0	0	0	228
18:00	4	0	6	48	97	30	7	0	0	0	0	0	0	0	192
19:00	3	2	6	43	63	23	3	0	0	1	0	0	0	0	144
20:00	2	3	2	26	50	14	4	0	0	0	0	0	0	0	101
21:00	1	0	6	22	31	12	0	0	0	0	0	0	0	0	72
22:00	0	0	2	14	21	7	2	0	0	0	0	0	0	0	46
23:00	1	0	1	7	9	4	0	0	0	0	0	0	0	0	22
Total	55	29	137	668	1256	507	57	4	1	1	0	0	0	0	2715

Daily
 15th Percentile : 27 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1924
 Percent in Pace : 70.9%
 Number of Vehicles > 30 MPH : 1826
 Percent of Vehicles > 30 MPH : 67.3%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

WB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07:15/09	0	0	0	3	7	3	0	0	0	0	0	0	0	0	13
01:00	0	0	0	4	3	2	1	1	0	0	0	0	0	0	11
02:00	0	0	0	1	4	2	0	0	0	0	0	0	0	0	7
03:00	0	0	1	0	5	3	1	0	0	0	0	0	0	0	10
04:00	0	0	0	0	4	4	1	0	0	0	0	0	0	0	9
05:00	0	0	2	6	8	6	0	0	0	0	0	0	0	0	22
06:00	0	1	6	13	26	19	4	0	0	0	0	0	0	0	69
07:00	0	2	6	32	61	49	5	0	0	0	0	0	0	0	155
08:00	2	1	7	34	114	40	5	0	0	0	0	0	0	0	203
09:00	4	1	6	48	89	27	4	0	0	0	0	0	0	0	179
10:00	6	1	9	40	58	31	1	1	0	0	0	0	0	0	147
11:00	10	1	2	36	81	26	2	0	0	0	0	0	0	0	158
12 PM	9	0	6	49	84	30	3	0	0	0	0	0	0	0	181
13:00	7	1	8	39	78	22	4	0	0	0	0	0	0	0	159
14:00	4	0	2	34	90	37	5	0	0	0	0	0	0	0	172
15:00	8	1	6	47	84	43	4	0	0	0	0	0	0	0	193
16:00	6	2	6	24	100	54	8	1	0	0	0	0	0	0	201
17:00	7	2	9	44	132	62	3	0	0	0	0	0	0	0	259
18:00	4	4	5	38	77	38	6	0	0	0	0	0	0	0	172
19:00	4	2	3	26	68	29	6	1	0	0	0	0	0	0	139
20:00	2	1	6	39	65	17	3	1	0	0	0	0	0	0	134
21:00	2	1	4	28	37	12	1	0	0	0	0	0	0	0	85
22:00	0	0	4	9	16	4	1	1	0	0	0	0	0	0	35
23:00	0	0	1	6	15	11	1	0	0	0	0	0	0	0	34
Total	75	21	99	600	1306	571	69	6	0	0	0	0	0	0	2747

Daily
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1906
 Percent in Pace : 69.4%
 Number of Vehicles > 30 MPH : 1952
 Percent of Vehicles > 30 MPH : 71.1%

Grand Total	130	50	236	1268	2562	1078	126	10	1	1	0	0	0	0	5462
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Overall
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3830
 Percent in Pace : 70.1%
 Number of Vehicles > 30 MPH : 3778
 Percent of Vehicles > 30 MPH : 69.2%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07/14/09	1	0	0	3	4	3	2	1	0	0	0	0	0	0	14
01:00	0	0	1	2	5	3	0	0	0	0	0	0	0	0	11
02:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	1	0	4	3	1	0	0	0	0	0	0	0	10
05:00	1	0	2	2	7	15	3	0	0	1	0	0	0	0	31
06:00	3	0	5	8	21	22	4	1	0	0	1	0	0	0	65
07:00	3	0	3	17	39	32	11	0	0	0	0	0	0	0	105
08:00	3	0	5	34	39	33	8	0	0	0	0	0	0	0	122
09:00	4	0	6	42	49	28	6	1	0	0	0	0	0	0	136
10:00	5	0	11	34	36	17	8	1	0	0	0	0	0	0	112
11:00	4	0	12	29	43	29	3	2	1	0	0	0	0	0	123
12 PM	6	3	8	33	59	33	8	0	0	0	0	0	0	0	150
13:00	4	1	9	36	56	23	6	1	1	0	0	0	0	0	137
14:00	5	1	7	31	58	20	4	1	1	0	0	0	0	0	128
15:00	10	3	4	44	71	49	8	3	1	0	0	0	0	0	193
16:00	5	1	11	48	75	45	8	3	1	0	0	0	0	0	197
17:00	4	4	11	57	80	34	6	1	0	0	0	0	0	0	197
18:00	5	1	4	41	57	40	10	2	0	0	0	0	0	0	160
19:00	2	1	11	20	69	29	5	1	0	0	0	0	0	0	138
20:00	1	4	9	29	38	18	6	0	1	0	0	0	0	0	106
21:00	1	2	3	25	25	10	2	0	0	0	0	0	0	0	68
22:00	1	1	2	12	17	8	2	0	0	0	0	0	0	0	43
23:00	0	0	0	11	10	6	1	0	0	0	0	0	0	0	28
Total	69	22	126	559	863	501	112	18	6	1	1	0	0	0	2278

Daily
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1422
 Percent in Pace : 62.4%
 Number of Vehicles > 30 MPH : 1502
 Percent of Vehicles > 30 MPH : 65.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
07:15/09	0	0	0	3	2	3	3	0	0	0	0	0	0	0	11
01:00	0	0	0	5	1	1	0	0	0	0	0	0	0	0	7
02:00	0	0	0	1	3	0	0	0	0	0	0	0	0	0	4
03:00	0	0	0	2	4	0	1	0	0	0	0	0	0	0	7
04:00	0	0	0	3	3	3	0	0	0	0	0	0	0	0	9
05:00	0	0	1	1	10	9	9	1	0	0	0	0	0	0	31
06:00	0	1	4	8	23	16	6	1	0	0	0	0	0	0	59
07:00	2	2	4	18	31	22	6	0	0	0	0	0	0	0	85
08:00	0	2	7	24	44	32	12	1	0	0	0	0	0	0	122
09:00	4	1	13	29	63	33	3	1	0	0	0	0	0	0	147
10:00	4	4	15	55	60	24	6	1	0	0	0	0	0	0	169
11:00	2	2	8	50	59	26	2	1	0	0	0	0	0	0	150
12 PM	3	1	8	54	65	37	7	0	0	0	0	0	0	0	175
13:00	13	6	17	46	68	30	7	0	1	0	0	0	0	0	188
14:00	7	0	14	44	86	33	9	2	0	0	0	0	0	0	195
15:00	6	2	7	41	66	37	9	0	0	0	0	0	0	0	168
16:00	12	0	8	39	58	59	9	0	1	0	0	0	0	0	186
17:00	7	2	8	26	75	43	13	0	1	0	0	0	0	0	175
18:00	1	2	13	35	78	36	6	1	0	0	0	0	0	0	172
19:00	5	2	10	35	52	23	7	0	0	0	0	0	0	0	134
20:00	4	1	8	30	39	25	4	0	0	0	0	0	0	0	111
21:00	1	2	11	20	30	13	1	0	0	0	0	0	0	0	78
22:00	0	0	5	14	19	7	1	0	0	0	0	0	0	0	46
23:00	0	0	3	8	10	6	1	0	0	0	0	1	0	0	29
Total	71	30	164	591	949	518	122	9	3	0	0	1	0	0	2458

Daily
 15th Percentile : 26 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1540
 Percent in Pace : 62.7%
 Number of Vehicles > 30 MPH : 1602
 Percent of Vehicles > 30 MPH : 65.2%

Grand Total	140	52	290	1150	1812	1019	234	27	9	1	1	1	0	0	4736
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2962
 Percent in Pace : 62.5%
 Number of Vehicles > 30 MPH : 3104
 Percent of Vehicles > 30 MPH : 65.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

WB, EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
07/14/09	1	0	2	5	7	4	2	1	0	0	0	0	0	0	0	22
01:00	0	0	1	5	7	5	0	0	0	0	0	0	0	0	0	18
02:00	0	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7
03:00	0	0	2	1	2	3	0	1	0	0	0	0	0	0	0	9
04:00	1	0	2	1	8	5	2	1	0	0	0	0	0	0	0	20
05:00	2	1	5	7	15	18	3	0	0	1	0	0	0	0	0	52
06:00	6	0	9	25	52	43	6	2	0	0	1	0	0	0	0	144
07:00	3	0	11	46	110	72	19	0	0	0	0	0	0	0	0	261
08:00	5	3	11	73	139	82	15	1	0	0	0	0	0	0	0	329
09:00	5	0	14	80	117	55	11	1	0	0	0	0	0	0	0	283
10:00	10	4	22	82	102	46	8	1	0	0	0	0	0	0	0	275
11:00	4	0	17	68	123	55	5	2	1	0	0	0	0	0	0	275
12 PM	7	3	10	72	150	75	12	0	0	0	0	0	0	0	0	329
13:00	14	1	24	71	129	45	10	1	1	0	0	0	0	0	0	296
14:00	11	4	19	73	133	47	6	1	1	0	0	0	0	0	0	295
15:00	16	9	21	99	168	88	8	3	1	0	0	0	0	0	0	413
16:00	10	5	20	98	184	87	11	3	2	0	0	0	0	0	0	420
17:00	8	7	21	120	183	76	9	1	0	0	0	0	0	0	0	425
18:00	9	1	10	89	154	70	17	2	0	0	0	0	0	0	0	352
19:00	5	3	17	63	132	52	8	1	0	1	0	0	0	0	0	282
20:00	3	7	11	55	88	32	10	0	1	0	0	0	0	0	0	207
21:00	2	2	9	47	56	22	2	0	0	0	0	0	0	0	0	140
22:00	1	1	4	26	38	15	4	0	0	0	0	0	0	0	0	89
23:00	1	0	1	18	19	10	1	0	0	0	0	0	0	0	0	50
Total	124	51	263	1227	2119	1008	169	22	7	2	1	0	0	0	0	4993

Daily
 15th Percentile : 27 MPH
 50th Percentile : 32 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3346
 Percent in Pace : 67.0%
 Number of Vehicles > 30 MPH : 3328
 Percent of Vehicles > 30 MPH : 66.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

WB, EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07:15/09	0	0	0	6	9	6	3	0	0	0	0	0	0	0	24
01:00	0	0	0	9	4	3	1	1	0	0	0	0	0	0	18
02:00	0	0	0	2	7	2	0	0	0	0	0	0	0	0	11
03:00	0	0	1	2	9	3	2	0	0	0	0	0	0	0	17
04:00	0	0	0	3	7	7	1	0	0	0	0	0	0	0	18
05:00	0	0	3	7	18	15	9	1	0	0	0	0	0	0	53
06:00	0	2	10	21	49	35	10	1	0	0	0	0	0	0	128
07:00	2	4	10	50	92	71	11	0	0	0	0	0	0	0	240
08:00	2	3	14	58	158	72	17	1	0	0	0	0	0	0	325
09:00	8	2	19	77	152	60	7	1	0	0	0	0	0	0	326
10:00	10	5	24	95	118	55	7	2	0	0	0	0	0	0	316
11:00	12	3	10	86	140	52	4	1	0	0	0	0	0	0	308
12 PM	12	1	14	103	149	67	10	0	0	0	0	0	0	0	356
13:00	20	7	25	85	146	52	11	0	1	0	0	0	0	0	347
14:00	11	0	16	78	176	70	14	2	0	0	0	0	0	0	367
15:00	14	3	13	88	150	80	13	0	0	0	0	0	0	0	361
16:00	18	2	14	63	158	113	17	1	1	0	0	0	0	0	387
17:00	14	4	17	70	207	105	16	0	1	0	0	0	0	0	434
18:00	5	6	18	73	155	74	12	1	0	0	0	0	0	0	344
19:00	9	4	13	61	120	52	13	1	0	0	0	0	0	0	273
20:00	6	2	14	69	104	42	7	1	0	0	0	0	0	0	245
21:00	3	3	15	48	67	25	2	0	0	0	0	0	0	0	163
22:00	0	0	9	23	35	11	2	1	0	0	0	0	0	0	81
23:00	0	0	4	14	25	17	2	0	0	0	0	1	0	0	63
Total	146	51	263	1191	2255	1089	191	15	3	0	0	1	0	0	5205

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

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3446
 Percent in Pace : 66.2%
 Number of Vehicles > 30 MPH : 3554
 Percent of Vehicles > 30 MPH : 68.3%

Grand Total	270	102	526	2418	4374	2097	360	37	10	2	1	1	0	0	10198
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Overall
 15th Percentile : 27 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6792
 Percent in Pace : 66.6%
 Number of Vehicles > 30 MPH : 6882
 Percent of Vehicles > 30 MPH : 67.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
	07/14/09	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
	01:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7	0
	02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
	03:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
	04:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
	05:00	0	17	4	0	0	0	0	0	0	0	0	0	0	21	0
	06:00	0	66	10	0	1	0	0	1	0	0	0	0	0	78	2
	07:00	3	129	19	0	5	0	0	0	0	0	0	0	0	156	5
	08:00	0	170	31	0	6	0	0	0	0	0	0	0	0	207	6
	09:00	0	119	22	0	5	1	0	0	0	0	0	0	0	147	6
	10:00	0	130	18	1	9	1	1	3	0	0	0	0	0	163	15
	11:00	0	125	22	0	5	0	0	0	0	0	0	0	0	152	5
	12 PM	0	156	16	1	6	0	0	0	0	0	0	0	0	179	7
	13:00	1	126	24	0	5	1	0	1	0	0	0	0	0	158	7
	14:00	2	141	16	0	6	1	0	0	1	0	0	0	0	167	8
	15:00	8	172	32	0	5	1	0	1	1	0	0	0	0	220	8
	16:00	1	193	26	0	3	0	0	0	0	0	0	0	0	223	3
	17:00	1	203	20	0	3	0	0	0	0	0	0	0	0	227	3
	18:00	3	161	26	0	1	1	0	0	0	0	0	0	0	192	2
	19:00	0	129	10	0	4	0	0	0	0	0	0	0	0	143	4
	20:00	2	91	8	0	0	0	0	0	0	0	0	0	0	101	0
	21:00	1	60	11	0	0	0	0	0	0	0	0	0	0	72	0
	22:00	0	42	4	0	0	0	0	0	0	0	0	0	0	46	0
	23:00	0	21	1	0	0	0	0	0	0	0	0	0	0	22	0
	Total	22	2287	321	2	64	6	1	6	2	0	0	0	0	2711	81
	Percent	0.8%	84.4%	11.8%	0.1%	2.4%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		3.0%
AM Peak	07:00		08:00	08:00	10:00	10:00	09:00	10:00	10:00						08:00	10:00
Vol.	3		170	31	1	9	1	1	3						207	15
PM Peak	15:00		17:00	15:00	12:00	12:00	13:00		13:00	14:00					17:00	14:00
Vol.	8		203	32	1	6	1		1	1					227	8

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #12
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Lincoln St, west of Pleasant St (139)

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
	07/15/09	0	13	0	0	0	0	0	0	0	0	0	0	0	13	0
	01:00	0	11	0	0	0	0	0	0	0	0	0	0	0	11	0
	02:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
	03:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10	0
	04:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9	0
	05:00	0	16	6	0	0	0	0	0	0	0	0	0	0	22	0
	06:00	0	62	7	0	0	0	0	0	0	0	0	0	0	69	0
	07:00	1	127	24	0	3	0	0	0	0	0	0	0	0	155	3
	08:00	0	173	24	0	6	0	0	0	0	0	0	0	0	203	6
	09:00	0	143	32	0	4	0	0	0	0	0	0	0	0	179	4
	10:00	1	124	14	0	7	1	0	0	0	0	0	0	0	147	8
	11:00	0	124	25	0	7	1	0	0	0	0	0	0	0	157	8
	12 PM	0	153	23	0	4	0	0	0	0	0	0	0	0	180	4
	13:00	1	130	20	0	5	1	0	1	1	0	0	0	0	159	8
	14:00	2	142	20	0	7	0	0	0	1	0	0	0	0	172	8
	15:00	4	150	32	0	6	0	0	1	0	0	0	0	0	193	7
	16:00	1	173	21	0	3	3	0	0	0	0	0	0	0	201	6
	17:00	3	226	28	0	2	0	0	0	0	0	0	0	0	259	2
	18:00	3	149	18	0	1	0	0	0	0	0	0	0	0	171	1
	19:00	0	121	14	0	3	1	0	0	0	0	0	0	0	139	4
	20:00	1	123	9	0	1	0	0	0	0	0	0	0	0	134	1
	21:00	1	77	7	0	0	0	0	0	0	0	0	0	0	85	0
	22:00	1	29	5	0	0	0	0	0	0	0	0	0	0	35	0
	23:00	0	31	3	0	0	0	0	0	0	0	0	0	0	34	0
	Total	19	2322	333	0	59	7	0	2	2	0	0	0	0	2744	70
	Percent	0.7%	84.6%	12.1%	0.0%	2.2%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		2.6%
	AM Peak	07:00	08:00	09:00		10:00	10:00								08:00	10:00
	Vol.	1	173	32		7	1								203	8
	PM Peak	15:00	17:00	15:00		14:00	16:00		13:00	13:00					17:00	13:00
	Vol.	4	226	32		7	3		1	1					259	8
	Grand Total	41	4609	654	2	123	13	1	8	4	0	0	0	0	5455	151
	Percent	0.8%	84.5%	12.0%	0.0%	2.3%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		2.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
07/14/09	0	13	1	0	0	0	0	0	0	0	0	0	0	14	0
01:00	0	11	0	0	0	0	0	0	0	0	0	0	0	11	0
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	1	6	3	0	0	0	0	0	0	0	0	0	0	10	0
05:00	2	23	5	0	1	0	0	0	0	0	0	0	0	31	1
06:00	0	54	9	0	2	0	0	0	0	0	0	0	0	65	2
07:00	0	77	20	0	5	1	0	0	0	1	0	0	0	104	7
08:00	1	89	23	1	5	0	0	1	1	0	0	0	0	121	8
09:00	1	107	23	0	5	0	0	0	0	0	0	0	0	136	5
10:00	1	94	13	1	3	0	0	0	0	0	0	0	0	112	4
11:00	0	102	17	1	3	0	0	0	0	0	0	0	0	123	4
12 PM	0	130	16	0	3	1	0	0	0	0	0	0	0	150	4
13:00	0	114	18	1	2	1	0	1	0	0	0	0	0	137	5
14:00	0	103	19	0	6	0	0	0	0	0	0	0	0	128	6
15:00	1	148	37	0	4	1	0	0	1	0	0	0	0	192	6
16:00	0	164	29	0	2	1	0	0	1	0	0	0	0	197	4
17:00	0	164	31	0	2	0	0	0	0	0	0	0	0	197	2
18:00	2	136	20	0	2	0	0	0	0	0	0	0	0	160	2
19:00	0	118	17	0	2	1	0	0	0	0	0	0	0	138	3
20:00	0	95	10	0	1	0	0	0	0	0	0	0	0	106	1
21:00	0	62	6	0	0	0	0	0	0	0	0	0	0	68	0
22:00	2	38	3	0	0	0	0	0	0	0	0	0	0	43	0
23:00	0	25	3	0	0	0	0	0	0	0	0	0	0	28	0
Total	11	1877	323	4	48	6	0	2	3	1	0	0	0	2275	64
Percent	0.5%	82.5%	14.2%	0.2%	2.1%	0.3%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		2.8%
AM Peak	05:00	09:00	08:00	08:00	07:00	07:00		08:00	08:00	07:00				09:00	08:00
Vol.	2	107	23	1	5	1		1	1	1				136	8
PM Peak	18:00	16:00	15:00	13:00	14:00	12:00		13:00	15:00					16:00	14:00
Vol.	2	164	37	1	6	1		1	1					197	6

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
07/15/09	0	10	1	0	0	0	0	0	0	0	0	0	0	11	0
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
02:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7	0
04:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
05:00	2	24	5	0	0	0	0	0	0	0	0	0	0	31	0
06:00	1	49	9	0	0	0	0	0	0	0	0	0	0	59	0
07:00	0	65	13	0	6	1	0	0	0	0	0	0	0	85	7
08:00	0	96	24	0	2	0	0	0	0	0	0	0	0	122	2
09:00	0	112	28	0	5	1	0	0	1	0	0	0	0	147	7
10:00	0	138	27	0	4	0	0	0	0	0	0	0	0	169	4
11:00	0	121	26	1	1	1	0	0	0	0	0	0	0	150	3
12 PM	0	136	26	0	12	0	0	0	0	0	0	0	0	174	12
13:00	0	162	22	1	2	1	0	0	0	0	0	0	0	188	4
14:00	0	153	37	1	4	0	0	0	0	0	0	0	0	195	5
15:00	0	146	18	0	4	0	0	0	0	0	0	0	0	168	4
16:00	1	151	33	0	0	1	0	0	0	0	0	0	0	186	1
17:00	1	145	26	1	2	0	0	0	0	0	0	0	0	175	3
18:00	2	139	30	0	1	0	0	0	0	0	0	0	0	172	1
19:00	0	119	13	0	2	0	0	0	0	0	0	0	0	134	2
20:00	0	95	15	0	1	0	0	0	0	0	0	0	0	111	1
21:00	1	66	11	0	0	0	0	0	0	0	0	0	0	78	0
22:00	0	39	7	0	0	0	0	0	0	0	0	0	0	46	0
23:00	0	25	4	0	0	0	0	0	0	0	0	0	0	29	0
Total	8	2013	380	4	46	5	0	0	1	0	0	0	0	2457	56
Percent	0.3%	81.9%	15.5%	0.2%	1.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%		2.3%
AM Peak	05:00	10:00	09:00	11:00	07:00	07:00			09:00					10:00	07:00
Vol.	2	138	28	1	6	1			1					169	7
PM Peak	18:00	13:00	14:00	13:00	12:00	13:00								14:00	12:00
Vol.	2	162	37	1	12	1								195	12
Grand Total	19	3890	703	8	94	11	0	2	4	1	0	0	0	4732	120
Percent	0.4%	82.2%	14.9%	0.2%	2.0%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		2.5%

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #12
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Lincoln St, west of Pleasant St (139)

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	
07/14/09	0	21	1	0	0	0	0	0	0	0	0	0	0	22	0	
01:00	0	18	0	0	0	0	0	0	0	0	0	0	0	18	0	
02:00	0	7	0	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	1	15	4	0	0	0	0	0	0	0	0	0	0	20	0	
05:00	2	40	9	0	1	0	0	0	0	0	0	0	0	52	1	
06:00	0	120	19	0	3	0	0	1	0	0	0	0	0	143	4	
07:00	3	206	39	0	10	1	0	0	0	1	0	0	0	260	12	
08:00	1	259	54	1	11	0	0	1	1	0	0	0	0	328	14	
09:00	1	226	45	0	10	1	0	0	0	0	0	0	0	283	11	
10:00	1	224	31	2	12	1	1	3	0	0	0	0	0	275	19	
11:00	0	227	39	1	8	0	0	0	0	0	0	0	0	275	9	
12 PM	0	286	32	1	9	1	0	0	0	0	0	0	0	329	11	
13:00	1	240	42	1	7	2	0	2	0	0	0	0	0	295	12	
14:00	2	244	35	0	12	1	0	0	1	0	0	0	0	295	14	
15:00	9	320	69	0	9	2	0	1	2	0	0	0	0	412	14	
16:00	1	357	55	0	5	1	0	0	1	0	0	0	0	420	7	
17:00	1	367	51	0	5	0	0	0	0	0	0	0	0	424	5	
18:00	5	297	46	0	3	1	0	0	0	0	0	0	0	352	4	
19:00	0	247	27	0	6	1	0	0	0	0	0	0	0	281	7	
20:00	2	186	18	0	1	0	0	0	0	0	0	0	0	207	1	
21:00	1	122	17	0	0	0	0	0	0	0	0	0	0	140	0	
22:00	2	80	7	0	0	0	0	0	0	0	0	0	0	89	0	
23:00	0	46	4	0	0	0	0	0	0	0	0	0	0	50	0	
Total	33	4164	644	6	112	12	1	8	5	1	0	0	0	4986	145	
Percent	0.7%	83.5%	12.9%	0.1%	2.2%	0.2%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		2.9%	
AM Peak	07:00	08:00	08:00	10:00	10:00	07:00	10:00	10:00	08:00	07:00				08:00	10:00	
Vol.	3	259	54	2	12	1	1	3	1	1				328	19	
PM Peak	15:00	17:00	15:00	12:00	14:00	13:00		13:00	15:00					17:00	14:00	
Vol.	9	367	69	1	12	2		2	2					424	14	

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #12
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Lincoln St, west of Pleasant St (139)

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
	07/15/09	0	23	1	0	0	0	0	0	0	0	0	0	0	24	0
	01:00	0	16	2	0	0	0	0	0	0	0	0	0	0	18	0
	02:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
	03:00	0	17	0	0	0	0	0	0	0	0	0	0	0	17	0
	04:00	0	17	1	0	0	0	0	0	0	0	0	0	0	18	0
	05:00	2	40	11	0	0	0	0	0	0	0	0	0	0	53	0
	06:00	1	111	16	0	0	0	0	0	0	0	0	0	0	128	0
	07:00	1	192	37	0	9	1	0	0	0	0	0	0	0	240	10
	08:00	0	269	48	0	8	0	0	0	0	0	0	0	0	325	8
	09:00	0	255	60	0	9	1	0	0	1	0	0	0	0	326	11
	10:00	1	262	41	0	11	1	0	0	0	0	0	0	0	316	12
	11:00	0	245	51	1	8	2	0	0	0	0	0	0	0	307	11
	12 PM	0	289	49	0	16	0	0	0	0	0	0	0	0	354	16
	13:00	1	292	42	1	7	2	0	1	1	0	0	0	0	347	12
	14:00	2	295	57	1	11	0	0	0	1	0	0	0	0	367	13
	15:00	4	296	50	0	10	0	0	1	0	0	0	0	0	361	11
	16:00	2	324	54	0	3	4	0	0	0	0	0	0	0	387	7
	17:00	4	371	54	1	4	0	0	0	0	0	0	0	0	434	5
	18:00	5	288	48	0	2	0	0	0	0	0	0	0	0	343	2
	19:00	0	240	27	0	5	1	0	0	0	0	0	0	0	273	6
	20:00	1	218	24	0	2	0	0	0	0	0	0	0	0	245	2
	21:00	2	143	18	0	0	0	0	0	0	0	0	0	0	163	0
	22:00	1	68	12	0	0	0	0	0	0	0	0	0	0	81	0
	23:00	0	56	7	0	0	0	0	0	0	0	0	0	0	63	0
	Total	27	4335	713	4	105	12	0	2	3	0	0	0	0	5201	126
	Percent	0.5%	83.3%	13.7%	0.1%	2.0%	0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%		2.4%
	AM Peak	05:00	08:00	09:00	11:00	10:00	11:00			09:00					09:00	10:00
	Vol.	2	269	60	1	11	2			1					326	12
	PM Peak	18:00	17:00	14:00	13:00	12:00	16:00		13:00	13:00					17:00	12:00
	Vol.	5	371	57	1	16	4		1	1					434	16
	Grand Total	60	8499	1357	10	217	24	1	10	8	1	0	0	0	10187	271
	Percent	0.6%	83.4%	13.3%	0.1%	2.1%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		2.7%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

Start Time	13-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	*	*	12	17	5	18	*	*	*	*	*	*	*	*	8	18
01:00	*	*	5	4	6	2	*	*	*	*	*	*	*	*	6	3
02:00	*	*	9	2	2	10	*	*	*	*	*	*	*	*	6	6
03:00	*	*	5	2	5	4	*	*	*	*	*	*	*	*	5	3
04:00	*	*	4	7	6	6	*	*	*	*	*	*	*	*	5	6
05:00	*	*	35	13	32	18	*	*	*	*	*	*	*	*	34	16
06:00	*	*	151	54	140	38	*	*	*	*	*	*	*	*	146	46
07:00	*	*	207	114	231	111	*	*	*	*	*	*	*	*	219	112
08:00	*	*	244	111	244	111	*	*	*	*	*	*	*	*	244	111
09:00	*	*	93	106	136	119	*	*	*	*	*	*	*	*	114	112
10:00	*	*	78	91	77	70	*	*	*	*	*	*	*	*	78	80
11:00	*	*	102	114	95	111	*	*	*	*	*	*	*	*	98	112
12:00 PM	*	*	104	136	102	129	*	*	*	*	*	*	*	*	103	132
01:00	*	*	114	112	102	127	*	*	*	*	*	*	*	*	108	120
02:00	*	*	150	175	151	151	*	*	*	*	*	*	*	*	150	163
03:00	*	*	100	254	98	258	*	*	*	*	*	*	*	*	99	256
04:00	*	*	110	295	110	277	*	*	*	*	*	*	*	*	110	286
05:00	*	*	90	254	104	253	*	*	*	*	*	*	*	*	97	254
06:00	*	*	91	133	83	137	*	*	*	*	*	*	*	*	87	135
07:00	*	*	65	102	61	109	*	*	*	*	*	*	*	*	63	106
08:00	*	*	44	77	60	78	*	*	*	*	*	*	*	*	52	78
09:00	*	*	30	38	55	47	*	*	*	*	*	*	*	*	42	42
10:00	*	*	28	24	36	27	*	*	*	*	*	*	*	*	32	26
11:00	*	*	39	54	46	47	*	*	*	*	*	*	*	*	42	50
Total	0	0	1910	2289	1987	2258	0	0	0	0	0	0	0	0	1948	2273
Day	0	0	4199		4245		0	0	0	0	0	0	0	0	4221	
AM Peak			08:00	07:00	08:00	09:00									08:00	07:00
Vol.			244	114	244	119									244	112
PM Peak			14:00	16:00	14:00	16:00									14:00	16:00
Vol.			150	295	151	277									150	286
Comb. Total	0		4199		4245		0	0	0	0	0	0	0		4221	

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

Start Time	13-Jul-09 Mon	14-Jul-09 Tue	15-Jul-09 Wed	16-Jul-09 Thu	17-Jul-09 Fri	18-Jul-09 Sat	19-Jul-09 Sun	Week Average
12:00 AM	*	29	23	*	*	*	*	26
01:00	*	9	8	*	*	*	*	8
02:00	*	11	12	*	*	*	*	12
03:00	*	7	9	*	*	*	*	8
04:00	*	11	12	*	*	*	*	12
05:00	*	48	50	*	*	*	*	49
06:00	*	205	178	*	*	*	*	192
07:00	*	321	342	*	*	*	*	332
08:00	*	355	355	*	*	*	*	355
09:00	*	199	255	*	*	*	*	227
10:00	*	169	147	*	*	*	*	158
11:00	*	216	206	*	*	*	*	211
12:00 PM	*	240	231	*	*	*	*	236
01:00	*	226	229	*	*	*	*	228
02:00	*	325	302	*	*	*	*	314
03:00	*	354	356	*	*	*	*	355
04:00	*	405	387	*	*	*	*	396
05:00	*	344	357	*	*	*	*	350
06:00	*	224	220	*	*	*	*	222
07:00	*	167	170	*	*	*	*	168
08:00	*	121	138	*	*	*	*	130
09:00	*	68	102	*	*	*	*	85
10:00	*	52	63	*	*	*	*	58
11:00	*	93	93	*	*	*	*	93
Total	0	4199	4245	0	0	0	0	4225
Percentage	0.0%	99.4%	100.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	08:00					08:00
Vol.		355	355					355
PM Peak		16:00	16:00					16:00
Vol.		405	387					396

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

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
07/14/09	0	0	0	5	5	1	1	0	0	0	0	0	0	0	12
01:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5
02:00	0	0	0	4	3	1	1	0	0	0	0	0	0	0	9
03:00	0	0	0	0	3	1	1	0	0	0	0	0	0	0	5
04:00	0	0	0	2	0	1	1	0	0	0	0	0	0	0	4
05:00	0	0	0	4	20	8	3	0	0	0	0	0	0	0	35
06:00	2	1	2	18	93	33	2	0	0	0	0	0	0	0	151
07:00	5	0	0	25	117	55	4	1	0	0	0	0	0	0	207
08:00	0	0	4	23	135	79	3	0	0	0	0	0	0	0	244
09:00	1	0	0	16	54	22	0	0	0	0	0	0	0	0	93
10:00	0	0	2	23	32	16	5	0	0	0	0	0	0	0	78
11:00	1	0	0	18	50	33	0	0	0	0	0	0	0	0	102
12 PM	1	0	2	18	62	17	4	0	0	0	0	0	0	0	104
13:00	2	0	2	23	51	29	6	1	0	0	0	0	0	0	114
14:00	3	2	9	29	73	30	4	0	0	0	0	0	0	0	150
15:00	3	0	0	17	47	27	6	0	0	0	0	0	0	0	100
16:00	3	0	2	20	51	27	6	1	0	0	0	0	0	0	110
17:00	2	0	2	14	51	19	2	0	0	0	0	0	0	0	90
18:00	3	0	2	22	43	18	3	0	0	0	0	0	0	0	91
19:00	1	0	2	19	31	11	1	0	0	0	0	0	0	0	65
20:00	1	0	2	10	22	7	2	0	0	0	0	0	0	0	44
21:00	0	1	0	12	12	5	0	0	0	0	0	0	0	0	30
22:00	0	0	3	11	10	3	1	0	0	0	0	0	0	0	28
23:00	1	0	1	4	20	11	2	0	0	0	0	0	0	0	39
Total	29	4	35	337	987	456	59	3	0	0	0	0	0	0	1910

Daily
 15th Percentile : 29 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1443
 Percent in Pace : 75.5%
 Number of Vehicles > 30 MPH : 1505
 Percent of Vehicles > 30 MPH : 78.8%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

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
07:15/09	0	0	0	2	2	1	0	0	0	0	0	0	0	0	5
01:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
02:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	3	1	0	0	0	0	0	0	0	0	5
04:00	0	0	0	1	2	3	0	0	0	0	0	0	0	0	6
05:00	0	0	1	3	21	6	1	0	0	0	0	0	0	0	32
06:00	2	1	3	20	79	33	2	0	0	0	0	0	0	0	140
07:00	0	0	1	40	131	55	4	0	0	0	0	0	0	0	231
08:00	6	0	1	22	118	86	11	0	0	0	0	0	0	0	244
09:00	0	0	6	21	67	37	5	0	0	0	0	0	0	0	136
10:00	3	0	1	17	32	21	3	0	0	0	0	0	0	0	77
11:00	1	0	4	17	55	16	2	0	0	0	0	0	0	0	95
12 PM	1	0	1	14	51	29	6	0	0	0	0	0	0	0	102
13:00	0	0	1	22	43	32	4	0	0	0	0	0	0	0	102
14:00	2	0	6	33	72	36	2	0	0	0	0	0	0	0	151
15:00	2	1	2	18	41	28	5	1	0	0	0	0	0	0	98
16:00	0	1	1	13	52	35	8	0	0	0	0	0	0	0	110
17:00	3	0	2	13	46	37	3	0	0	0	0	0	0	0	104
18:00	2	0	1	14	35	27	4	0	0	0	0	0	0	0	83
19:00	0	1	1	10	32	14	3	0	0	0	0	0	0	0	61
20:00	0	0	3	19	30	8	0	0	0	0	0	0	0	0	60
21:00	0	0	0	21	22	11	1	0	0	0	0	0	0	0	55
22:00	1	0	0	14	14	5	1	1	0	0	0	0	0	0	36
23:00	0	0	2	6	18	19	1	0	0	0	0	0	0	0	46
Total	23	4	37	343	970	542	66	2	0	0	0	0	0	0	1987

Daily
 15th Percentile : 29 MPH
 50th Percentile : 34 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1512
 Percent in Pace : 76.1%
 Number of Vehicles > 30 MPH : 1580
 Percent of Vehicles > 30 MPH : 79.5%

Grand Total	52	8	72	680	1957	998	125	5	0	0	0	0	0	0	3897
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Overall
 15th Percentile : 29 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 2955
 Percent in Pace : 75.8%
 Number of Vehicles > 30 MPH : 3085
 Percent of Vehicles > 30 MPH : 79.2%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
07/14/09	0	0	1	3	8	5	0	0	0	0	0	0	0	0	0	17
01:00	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	1	0	0	3	2	1	0	0	0	0	0	0	0	0	0	7
05:00	0	0	1	3	9	0	0	0	0	0	0	0	0	0	0	13
06:00	0	0	0	13	27	10	4	0	0	0	0	0	0	0	0	54
07:00	1	0	1	21	57	34	0	0	0	0	0	0	0	0	0	114
08:00	0	0	1	27	54	26	3	0	0	0	0	0	0	0	0	111
09:00	1	0	1	23	60	20	1	0	0	0	0	0	0	0	0	106
10:00	0	0	0	23	51	17	0	0	0	0	0	0	0	0	0	91
11:00	1	0	2	26	71	13	1	0	0	0	0	0	0	0	0	114
12 PM	3	0	3	27	82	20	1	0	0	0	0	0	0	0	0	136
13:00	2	0	3	31	69	5	2	0	0	0	0	0	0	0	0	112
14:00	5	0	3	51	101	15	0	0	0	0	0	0	0	0	0	175
15:00	4	0	4	73	147	25	1	0	0	0	0	0	0	0	0	254
16:00	7	0	5	82	161	36	4	0	0	0	0	0	0	0	0	295
17:00	5	2	2	60	155	29	1	0	0	0	0	0	0	0	0	254
18:00	0	0	2	38	68	22	3	0	0	0	0	0	0	0	0	133
19:00	0	1	5	25	58	12	1	0	0	0	0	0	0	0	0	102
20:00	1	0	7	23	30	12	4	0	0	0	0	0	0	0	0	77
21:00	1	0	2	10	16	7	0	2	0	0	0	0	0	0	0	38
22:00	0	0	0	6	14	4	0	0	0	0	0	0	0	0	0	24
23:00	1	0	1	16	24	12	0	0	0	0	0	0	0	0	0	54
Total	33	3	44	586	1268	327	26	2	0	0	0	0	0	0	0	2289

Daily
 15th Percentile : 28 MPH
 50th Percentile : 32 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1854
 Percent in Pace : 81.0%
 Number of Vehicles > 30 MPH : 1623
 Percent of Vehicles > 30 MPH : 70.9%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

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
07/15/09	0	0	1	3	8	3	3	0	0	0	0	0	0	0	18
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
02:00	0	0	0	2	7	1	0	0	0	0	0	0	0	0	10
03:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
04:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
05:00	1	0	0	3	5	8	1	0	0	0	0	0	0	0	18
06:00	0	0	1	8	21	5	3	0	0	0	0	0	0	0	38
07:00	3	0	4	12	65	25	2	0	0	0	0	0	0	0	111
08:00	1	1	4	24	54	26	1	0	0	0	0	0	0	0	111
09:00	0	0	2	29	73	12	3	0	0	0	0	12	0	0	119
10:00	1	0	1	18	35	15	0	0	0	0	0	0	0	0	70
11:00	1	0	3	34	57	15	1	0	0	0	0	0	0	0	111
12 PM	2	0	1	27	69	29	1	0	0	0	0	0	0	0	129
13:00	2	0	0	27	67	27	4	0	0	0	0	0	0	0	127
14:00	2	0	2	64	65	17	1	0	0	0	0	0	0	0	151
15:00	2	0	4	71	151	30	0	0	0	0	0	0	0	0	258
16:00	2	0	0	49	161	63	2	0	0	0	0	0	0	0	277
17:00	3	0	2	54	154	38	2	0	0	0	0	0	0	0	253
18:00	1	0	2	26	85	22	1	0	0	0	0	0	0	0	137
19:00	1	0	3	37	53	13	2	0	0	0	0	0	0	0	109
20:00	2	0	3	23	40	8	1	0	1	0	0	0	0	0	78
21:00	0	0	0	19	27	1	0	0	0	0	0	0	0	0	47
22:00	0	0	0	10	7	9	1	0	0	0	0	0	0	0	27
23:00	0	0	1	2	25	16	3	0	0	0	0	0	0	0	47
Total	24	1	34	545	1234	387	32	0	1	0	0	0	0	0	2258

Daily
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 37 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1779
 Percent in Pace : 78.8%
 Number of Vehicles > 30 MPH : 1654
 Percent of Vehicles > 30 MPH : 73.3%

Grand Total	57	4	78	1131	2502	714	58	2	1	0	0	0	0	0	4547
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Overall
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH
 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3633
 Percent in Pace : 79.9%
 Number of Vehicles > 30 MPH : 3277
 Percent of Vehicles > 30 MPH : 72.1%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

WB, EB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
07/14/09	0	0	1	8	13	6	1	0	0	0	0	0	0	0	29
01:00	0	0	0	1	3	4	1	0	0	0	0	0	0	0	9
02:00	0	0	0	5	4	1	1	0	0	0	0	0	0	0	11
03:00	0	0	0	0	5	1	1	0	0	0	0	0	0	0	7
04:00	1	0	0	5	2	2	1	0	0	0	0	0	0	0	11
05:00	0	0	1	7	29	8	3	0	0	0	0	0	0	0	48
06:00	2	1	2	31	120	43	6	0	0	0	0	0	0	0	205
07:00	6	0	1	46	174	89	4	1	0	0	0	0	0	0	321
08:00	0	0	5	50	189	105	6	0	0	0	0	0	0	0	355
09:00	2	0	1	39	114	42	1	0	0	0	0	0	0	0	199
10:00	0	0	2	46	83	33	5	0	0	0	0	0	0	0	169
11:00	2	0	2	44	121	46	1	0	0	0	0	0	0	0	216
12 PM	4	0	5	45	144	37	5	0	0	0	0	0	0	0	240
13:00	4	0	5	54	120	34	8	1	0	0	0	0	0	0	226
14:00	8	2	12	80	174	45	4	0	0	0	0	0	0	0	325
15:00	7	0	4	90	194	52	7	0	0	0	0	0	0	0	354
16:00	10	0	7	102	212	63	10	1	0	0	0	0	0	0	405
17:00	7	2	4	74	206	48	3	0	0	0	0	0	0	0	344
18:00	3	0	4	60	111	40	6	0	0	0	0	0	0	0	224
19:00	1	1	7	44	89	23	2	0	0	0	0	0	0	0	167
20:00	2	0	9	33	52	19	6	0	0	0	0	0	0	0	121
21:00	1	1	2	22	28	12	0	2	0	0	0	0	0	0	68
22:00	0	0	3	17	24	7	1	0	0	0	0	0	0	0	52
23:00	2	0	2	20	44	23	2	0	0	0	0	0	0	0	93
Total	62	7	79	923	2255	783	85	5	0	0	0	0	0	0	4199

Daily
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 3178
 Percent in Pace : 75.7%
 Number of Vehicles > 30 MPH : 3128
 Percent of Vehicles > 30 MPH : 74.5%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

WB, EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
07:15/09	0	0	1	5	10	4	3	0	0	0	0	0	0	0	23
01:00	0	0	0	2	3	3	0	0	0	0	0	0	0	0	8
02:00	0	0	0	2	9	1	0	0	0	0	0	0	0	0	12
03:00	0	0	0	2	5	2	0	0	0	0	0	0	0	0	9
04:00	0	0	0	3	4	5	0	0	0	0	0	0	0	0	12
05:00	1	0	1	6	26	14	2	0	0	0	0	0	0	0	50
06:00	2	1	4	28	100	38	5	0	0	0	0	0	0	0	178
07:00	3	0	5	52	196	80	6	0	0	0	0	0	0	0	342
08:00	7	1	5	46	172	112	12	0	0	0	0	0	0	0	355
09:00	0	0	8	50	140	49	8	0	0	0	0	0	0	0	255
10:00	4	0	2	35	67	36	3	0	0	0	0	0	0	0	147
11:00	2	0	7	51	112	31	3	0	0	0	0	0	0	0	206
12 PM	3	0	2	41	120	58	7	0	0	0	0	0	0	0	231
13:00	2	0	1	49	110	59	8	0	0	0	0	0	0	0	229
14:00	4	0	8	97	137	53	3	0	0	0	0	0	0	0	302
15:00	4	1	6	89	192	58	5	1	0	0	0	0	0	0	356
16:00	2	1	1	62	213	98	10	0	0	0	0	0	0	0	387
17:00	6	0	4	67	200	75	5	0	0	0	0	0	0	0	357
18:00	3	0	3	40	120	49	5	0	0	0	0	0	0	0	220
19:00	1	1	4	47	85	27	5	0	0	0	0	0	0	0	170
20:00	2	0	6	42	70	16	1	0	1	0	0	0	0	0	138
21:00	0	0	0	40	49	12	1	0	0	0	0	0	0	0	102
22:00	1	0	0	24	21	14	2	1	0	0	0	0	0	0	63
23:00	0	0	3	8	43	35	4	0	0	0	0	0	0	0	93
Total	47	5	71	888	2204	929	98	2	1	0	0	0	0	0	4245

Daily
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3133
 Percent in Pace : 73.8%
 Number of Vehicles > 30 MPH : 3234
 Percent of Vehicles > 30 MPH : 76.2%

Grand Total	109	12	150	1811	4459	1712	183	7	1	0	0	0	0	0	8444
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Overall
 15th Percentile : 28 MPH
 50th Percentile : 33 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 6270
 Percent in Pace : 74.3%
 Number of Vehicles > 30 MPH : 6362
 Percent of Vehicles > 30 MPH : 75.3%

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

WB	Start Time	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
	07/14/09	0	8	3	0	1	0	0	0	0	0	0	0	12	1
	01:00	0	5	0	0	0	0	0	0	0	0	0	0	5	0
	02:00	0	6	2	0	1	0	0	0	0	0	0	0	9	1
	03:00	0	3	1	0	1	0	0	0	0	0	0	0	5	1
	04:00	0	4	0	0	0	0	0	0	0	0	0	0	4	0
	05:00	1	26	8	0	0	0	0	0	0	0	0	0	35	0
	06:00	1	117	30	0	2	0	0	1	0	0	0	0	151	3
	07:00	3	170	29	0	5	0	0	0	0	0	0	0	207	5
	08:00	4	190	44	1	5	0	0	0	0	0	0	0	244	6
	09:00	0	72	18	0	3	0	0	0	0	0	0	0	93	3
	10:00	0	51	21	0	6	0	0	0	0	0	0	0	78	6
	11:00	0	71	24	0	6	1	0	0	0	0	0	0	102	7
	12 PM	0	79	22	0	2	0	0	1	0	0	0	0	104	3
	13:00	2	82	29	0	1	0	0	0	0	0	0	0	114	1
	14:00	1	111	28	1	7	0	0	1	0	0	0	0	149	9
	15:00	1	72	21	0	4	0	0	1	0	0	0	0	99	5
	16:00	1	79	24	1	3	0	0	1	0	0	0	0	109	5
	17:00	2	71	15	0	2	0	0	0	0	0	0	0	90	2
	18:00	0	75	13	0	2	0	0	0	0	0	0	0	90	2
	19:00	0	52	11	0	1	1	0	0	0	0	0	0	65	2
	20:00	1	37	4	0	2	0	0	0	0	0	0	0	44	2
	21:00	0	22	8	0	0	0	0	0	0	0	0	0	30	0
	22:00	0	22	6	0	0	0	0	0	0	0	0	0	28	0
	23:00	0	36	3	0	0	0	0	0	0	0	0	0	39	0
	Total	17	1461	364	3	54	2	0	5	0	0	0	0	1906	64
	Percent	0.9%	76.7%	19.1%	0.2%	2.8%	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%		3.4%
AM Peak	08:00	08:00	08:00	08:00	10:00	11:00		06:00						08:00	11:00
Vol.	4	190	44	1	6	1		1						244	7
PM Peak	13:00	14:00	13:00	14:00	14:00	19:00		12:00						14:00	14:00
Vol.	2	111	29	1	7	1		1						149	9

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

Community: Stoughton
 Com #_U/RFC: 285_U6
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 285
 Date Start: 14-Jul-09
 Date End: 15-Jul-09
 Pine St, west of Pleasant St (139)

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
07/14/09	0	14	3	0	0	0	0	0	0	0	0	0	0	17	0
01:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
05:00	0	12	1	0	0	0	0	0	0	0	0	0	0	13	0
06:00	0	44	8	0	1	0	0	1	0	0	0	0	0	54	2
07:00	0	93	16	0	3	1	0	1	0	0	0	0	0	114	5
08:00	0	88	17	1	5	0	0	0	0	0	0	0	0	111	6
09:00	0	78	25	0	3	0	0	0	0	0	0	0	0	106	3
10:00	0	76	12	0	3	0	0	0	0	0	0	0	0	91	3
11:00	0	90	18	0	5	0	0	1	0	0	0	0	0	114	6
12 PM	0	107	24	0	4	0	0	0	0	0	0	0	0	135	4
13:00	0	87	20	0	4	0	0	1	0	0	0	0	0	112	5
14:00	1	126	38	0	10	0	0	0	0	0	0	0	0	175	10
15:00	1	218	32	0	3	0	0	0	0	0	0	0	0	254	3
16:00	1	253	35	0	6	0	0	0	0	0	0	0	0	295	6
17:00	1	229	21	0	3	0	0	0	0	0	0	0	0	254	3
18:00	0	117	16	0	0	0	0	0	0	0	0	0	0	133	0
19:00	0	87	14	0	1	0	0	0	0	0	0	0	0	102	1
20:00	0	68	8	0	1	0	0	0	0	0	0	0	0	77	1
21:00	0	35	3	0	0	0	0	0	0	0	0	0	0	38	0
22:00	0	22	2	0	0	0	0	0	0	0	0	0	0	24	0
23:00	0	51	3	0	0	0	0	0	0	0	0	0	0	54	0
Total	4	1906	320	1	52	1	0	4	0	0	0	0	0	2288	58
Percent	0.2%	83.3%	14.0%	0.0%	2.3%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		2.5%
AM Peak		07:00	09:00	08:00	08:00	07:00		06:00						07:00	08:00
Vol.		93	25	1	5	1		1						114	6
PM Peak	14:00	16:00	14:00		14:00			13:00						16:00	14:00
Vol.	1	253	38		10			1						295	10

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

Community: Stoughton
Com #_U/RFC: 285_U6
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 285
Date Start: 14-Jul-09
Date End: 15-Jul-09
Pine St, west of Pleasant St (139)

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	
07/14/09	0	22	6	0	1	0	0	0	0	0	0	0	0	29	1	
01:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9	0	
02:00	0	8	2	0	1	0	0	0	0	0	0	0	0	11	1	
03:00	0	4	2	0	1	0	0	0	0	0	0	0	0	7	1	
04:00	0	10	1	0	0	0	0	0	0	0	0	0	0	11	0	
05:00	1	38	9	0	0	0	0	0	0	0	0	0	0	48	0	
06:00	1	161	38	0	3	0	0	2	0	0	0	0	0	205	5	
07:00	3	263	45	0	8	1	0	1	0	0	0	0	0	321	10	
08:00	4	278	61	2	10	0	0	0	0	0	0	0	0	355	12	
09:00	0	150	43	0	6	0	0	0	0	0	0	0	0	199	6	
10:00	0	127	33	0	9	0	0	0	0	0	0	0	0	169	9	
11:00	0	161	42	0	11	1	0	1	0	0	0	0	0	216	13	
12 PM	0	186	46	0	6	0	0	1	0	0	0	0	0	239	7	
13:00	2	169	49	0	5	0	0	1	0	0	0	0	0	226	6	
14:00	2	237	66	1	17	0	0	1	0	0	0	0	0	324	19	
15:00	2	290	53	0	7	0	0	1	0	0	0	0	0	353	8	
16:00	2	332	59	1	9	0	0	1	0	0	0	0	0	404	11	
17:00	3	300	36	0	5	0	0	0	0	0	0	0	0	344	5	
18:00	0	192	29	0	2	0	0	0	0	0	0	0	0	223	2	
19:00	0	139	25	0	2	1	0	0	0	0	0	0	0	167	3	
20:00	1	105	12	0	3	0	0	0	0	0	0	0	0	121	3	
21:00	0	57	11	0	0	0	0	0	0	0	0	0	0	68	0	
22:00	0	44	8	0	0	0	0	0	0	0	0	0	0	52	0	
23:00	0	87	6	0	0	0	0	0	0	0	0	0	0	93	0	
Total	21	3367	684	4	106	3	0	9	0	0	0	0	0	4194	122	
Percent	0.5%	80.3%	16.3%	0.1%	2.5%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		2.9%	
AM Peak	08:00	08:00	08:00	08:00	11:00	07:00		06:00						08:00	11:00	
Vol.	4	278	61	2	11	1		2						355	13	
PM Peak	17:00	16:00	14:00	14:00	14:00	19:00		12:00						16:00	14:00	
Vol.	3	332	66	1	17	1		1						404	19	

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

Start Time	11-May-09		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	*	*	15	7	13	3	*	*	*	*	*	*	*	*	14	5
01:00	*	*	6	2	3	3	*	*	*	*	*	*	*	*	4	2
02:00	*	*	6	4	8	0	*	*	*	*	*	*	*	*	7	2
03:00	*	*	6	0	10	1	*	*	*	*	*	*	*	*	8	0
04:00	*	*	6	15	4	17	*	*	*	*	*	*	*	*	5	16
05:00	*	*	23	21	32	27	*	*	*	*	*	*	*	*	28	24
06:00	*	*	63	85	59	65	*	*	*	*	*	*	*	*	61	75
07:00	*	*	139	91	140	88	*	*	*	*	*	*	*	*	140	90
08:00	*	*	117	95	138	79	*	*	*	*	*	*	*	*	128	87
09:00	*	*	82	45	66	56	*	*	*	*	*	*	*	*	74	50
10:00	*	*	60	49	72	44	*	*	*	*	*	*	*	*	66	46
11:00	*	*	81	46	99	40	*	*	*	*	*	*	*	*	90	43
12:00 PM	*	*	94	42	82	45	*	*	*	*	*	*	*	*	88	44
01:00	*	*	89	41	87	48	*	*	*	*	*	*	*	*	88	44
02:00	*	*	114	76	109	73	*	*	*	*	*	*	*	*	112	74
03:00	*	*	156	79	162	59	*	*	*	*	*	*	*	*	159	69
04:00	*	*	177	83	199	74	*	*	*	*	*	*	*	*	188	78
05:00	*	*	201	90	204	70	*	*	*	*	*	*	*	*	202	80
06:00	*	*	147	69	137	72	*	*	*	*	*	*	*	*	142	70
07:00	*	*	104	54	108	73	*	*	*	*	*	*	*	*	106	64
08:00	*	*	89	37	90	47	*	*	*	*	*	*	*	*	90	42
09:00	*	*	46	26	43	25	*	*	*	*	*	*	*	*	44	26
10:00	*	*	40	17	40	18	*	*	*	*	*	*	*	*	40	18
11:00	*	*	32	13	28	9	*	*	*	*	*	*	*	*	30	11
Total	0	0	1893	1087	1933	1036	0	0	0	0	0	0	0	0	1914	1060
Day	0	0	2980		2969		0	0	0	0	0	0	0	0	2974	
AM Peak			07:00	08:00	07:00	07:00									07:00	07:00
Vol.			139	95	140	88									140	90
PM Peak			17:00	17:00	17:00	16:00									17:00	17:00
Vol.			201	90	204	74									202	80

Comb. Total 0 2980 2969 0 0 0 0 2974

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

Start Time	11-May-09 Mon	12-May-09 Tue	13-May-09 Wed	14-May-09 Thu	15-May-09 Fri	16-May-09 Sat	17-May-09 Sun	Week Average
12:00 AM	*	22	16	*	*	*	*	19
01:00	*	8	6	*	*	*	*	7
02:00	*	10	8	*	*	*	*	9
03:00	*	6	11	*	*	*	*	8
04:00	*	21	21	*	*	*	*	21
05:00	*	44	59	*	*	*	*	52
06:00	*	148	124	*	*	*	*	136
07:00	*	230	228	*	*	*	*	229
08:00	*	212	217	*	*	*	*	214
09:00	*	127	122	*	*	*	*	124
10:00	*	109	116	*	*	*	*	112
11:00	*	127	139	*	*	*	*	133
12:00 PM	*	136	127	*	*	*	*	132
01:00	*	130	135	*	*	*	*	132
02:00	*	190	182	*	*	*	*	186
03:00	*	235	221	*	*	*	*	228
04:00	*	260	273	*	*	*	*	266
05:00	*	291	274	*	*	*	*	282
06:00	*	216	209	*	*	*	*	212
07:00	*	158	181	*	*	*	*	170
08:00	*	126	137	*	*	*	*	132
09:00	*	72	68	*	*	*	*	70
10:00	*	57	58	*	*	*	*	58
11:00	*	45	37	*	*	*	*	41
Total	0	2980	2969	0	0	0	0	2973
Percentage	0.0%	100.2%	99.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		230	228					229
PM Peak		17:00	17:00					17:00
Vol.		291	274					282

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/12/09	0	0	0	5	4	4	1	1	0	0	0	0	0	0	15
01:00	0	0	0	1	3	1	1	0	0	0	0	0	0	0	6
02:00	0	0	0	1	3	1	1	0	0	0	0	0	0	0	6
03:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
04:00	0	0	1	1	2	1	1	0	0	0	0	0	0	0	6
05:00	1	0	1	5	8	7	1	0	0	0	0	0	0	0	23
06:00	0	0	7	13	33	9	1	0	0	0	0	0	0	0	63
07:00	2	0	7	39	62	28	1	0	0	0	0	0	0	0	139
08:00	0	0	2	46	52	16	1	0	0	0	0	0	0	0	117
09:00	2	0	2	23	41	11	3	0	0	0	0	0	0	0	82
10:00	0	0	10	11	26	12	1	0	0	0	0	0	0	0	60
11:00	0	0	5	24	36	16	0	0	0	0	0	0	0	0	81
12 PM	3	0	6	25	36	20	4	0	0	0	0	0	0	0	94
13:00	4	0	9	16	36	19	5	0	0	0	0	0	0	0	89
14:00	1	0	6	32	57	17	1	0	0	0	0	0	0	0	114
15:00	2	1	15	51	63	19	5	0	0	0	0	0	0	0	156
16:00	3	1	9	62	71	29	1	1	0	0	0	0	0	0	177
17:00	3	2	11	55	97	32	1	0	0	0	0	0	0	0	201
18:00	1	0	14	39	73	18	2	0	0	0	0	0	0	0	147
19:00	1	4	13	25	30	27	4	0	0	0	0	0	0	0	104
20:00	0	2	2	45	33	5	2	0	0	0	0	0	0	0	89
21:00	0	0	2	16	21	5	2	0	0	0	0	0	0	0	46
22:00	0	0	1	20	13	6	0	0	0	0	0	0	0	0	40
23:00	0	0	0	12	14	6	0	0	0	0	0	0	0	0	32
Total	23	10	123	569	816	311	39	2	0	0	0	0	0	0	1893

Daily
 15th Percentile : 27 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1385
 Percent in Pace : 73.2%
 Number of Vehicles > 30 MPH : 1168
 Percent of Vehicles > 30 MPH : 61.7%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

NB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/13/09	0	0	0	2	5	5	1	0	0	0	0	0	0	0	13
01:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	1	3	3	1	0	0	0	0	0	0	0	8
03:00	0	1	0	2	7	0	0	0	0	0	0	0	0	0	10
04:00	0	0	0	1	1	1	1	0	0	0	0	0	0	0	4
05:00	0	0	2	9	10	9	1	1	0	0	0	0	0	0	32
06:00	3	1	4	15	25	8	3	0	0	0	0	0	0	0	59
07:00	2	2	6	31	62	31	5	1	0	0	0	0	0	0	140
08:00	0	2	9	45	61	20	1	0	0	0	0	0	0	0	138
09:00	3	0	5	21	24	11	2	0	0	0	0	0	0	0	66
10:00	0	1	5	15	36	11	4	0	0	0	0	0	0	0	72
11:00	0	0	4	27	53	14	1	0	0	0	0	0	0	0	99
12 PM	1	4	9	28	33	7	0	0	0	0	0	0	0	0	82
13:00	1	0	0	27	40	15	4	0	0	0	0	0	0	0	87
14:00	0	0	4	47	36	19	2	1	0	0	0	0	0	0	109
15:00	4	8	11	45	80	12	2	0	0	0	0	0	0	0	162
16:00	2	1	3	65	88	39	0	1	0	0	0	0	0	0	199
17:00	0	2	2	63	102	28	7	0	0	0	0	0	0	0	204
18:00	3	2	10	47	50	23	2	0	0	0	0	0	0	0	137
19:00	2	1	7	42	41	13	2	0	0	0	0	0	0	0	108
20:00	0	2	2	41	34	11	0	0	0	0	0	0	0	0	90
21:00	0	1	3	16	15	7	1	0	0	0	0	0	0	0	43
22:00	1	0	4	8	16	9	2	0	0	0	0	0	0	0	40
23:00	1	1	1	8	8	7	2	0	0	0	0	0	0	0	28
Total	23	29	92	606	832	303	44	4	0	0	0	0	0	0	1933

Daily
 15th Percentile : 27 MPH
 50th Percentile : 32 MPH
 85th Percentile : 36 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1438
 Percent in Pace : 74.4%
 Number of Vehicles > 30 MPH : 1183
 Percent of Vehicles > 30 MPH : 61.2%

Grand Total	46	39	215	1175	1648	614	83	6	0	0	0	0	0	0	3826
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Overall
 15th Percentile : 27 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2823
 Percent in Pace : 73.8%
 Number of Vehicles > 30 MPH : 2351
 Percent of Vehicles > 30 MPH : 61.4%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/12/09	0	0	3	3	1	0	0	0	0	0	0	0	0	0	7
01:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
02:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	3	3	4	3	1	0	0	0	0	0	0	0	15
05:00	0	1	1	5	12	1	1	0	0	0	0	0	0	0	21
06:00	0	1	16	35	27	4	2	0	0	0	0	0	0	0	85
07:00	1	0	9	31	41	8	1	0	0	0	0	0	0	0	91
08:00	3	0	10	31	39	12	0	0	0	0	0	0	0	0	95
09:00	1	1	6	22	13	2	0	0	0	0	0	0	0	0	45
10:00	0	1	4	18	23	2	1	0	0	0	0	0	0	0	49
11:00	0	0	1	23	17	5	0	0	0	0	0	0	0	0	46
12 PM	1	1	7	14	16	3	0	0	0	0	0	0	0	0	42
13:00	0	0	2	16	19	4	0	0	0	0	0	0	0	0	41
14:00	2	0	8	37	23	5	1	0	0	0	0	0	0	0	76
15:00	1	1	6	30	33	7	1	0	0	0	0	0	0	0	79
16:00	1	0	7	32	37	6	0	0	0	0	0	0	0	0	83
17:00	2	1	6	37	42	2	0	0	0	0	0	0	0	0	90
18:00	0	1	9	23	28	7	1	0	0	0	0	0	0	0	69
19:00	0	1	3	19	24	7	0	0	0	0	0	0	0	0	54
20:00	2	1	3	14	14	3	0	0	0	0	0	0	0	0	37
21:00	0	0	3	9	12	2	0	0	0	0	0	0	0	0	26
22:00	0	0	1	6	9	1	0	0	0	0	0	0	0	0	17
23:00	0	0	2	4	6	1	0	0	0	0	0	0	0	0	13
Total	14	11	110	415	441	86	10	0	0	0	0	0	0	0	1087

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 856
 Percent in Pace : 78.7%
 Number of Vehicles > 30 MPH : 537
 Percent of Vehicles > 30 MPH : 49.4%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

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
05/13/09	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
01:00	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	8	6	2	0	0	0	0	0	0	0	0	17
05:00	0	0	1	6	18	2	0	0	0	0	0	0	0	0	27
06:00	0	0	10	22	29	4	0	0	0	0	0	0	0	0	65
07:00	3	0	7	28	36	13	1	0	0	0	0	0	0	0	88
08:00	3	1	8	26	36	5	0	0	0	0	0	0	0	0	79
09:00	2	1	4	13	29	6	1	0	0	0	0	0	0	0	56
10:00	0	1	5	21	15	2	0	0	0	0	0	0	0	0	44
11:00	0	1	11	17	9	2	0	0	0	0	0	0	0	0	40
12 PM	0	0	8	21	16	0	0	0	0	0	0	0	0	0	45
13:00	4	1	2	23	14	4	0	0	0	0	0	0	0	0	48
14:00	2	0	6	23	33	8	1	0	0	0	0	0	0	0	73
15:00	1	1	3	16	30	7	1	0	0	0	0	0	0	0	59
16:00	2	2	5	25	33	6	1	0	0	0	0	0	0	0	74
17:00	0	0	8	30	26	6	0	0	0	0	0	0	0	0	70
18:00	0	2	7	24	35	4	0	0	0	0	0	0	0	0	72
19:00	1	0	8	33	24	7	0	0	0	0	0	0	0	0	73
20:00	0	0	3	25	18	1	0	0	0	0	0	0	0	0	47
21:00	0	0	3	12	9	1	0	0	0	0	0	0	0	0	25
22:00	0	0	2	7	9	0	0	0	0	0	0	0	0	0	18
23:00	0	0	3	4	1	0	0	1	0	0	0	0	0	0	9
Total	18	10	105	389	427	81	5	1	0	0	0	0	0	0	1036

Daily
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 816
 Percent in Pace : 78.8%
 Number of Vehicles > 30 MPH : 514
 Percent of Vehicles > 30 MPH : 49.6%

Grand Total	32	21	215	804	868	167	15	1	0	0	0	0	0	0	2123
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH
 Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1672
 Percent in Pace : 78.8%
 Number of Vehicles > 30 MPH : 1051
 Percent of Vehicles > 30 MPH : 49.5%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/12/09	0	0	3	8	5	4	1	1	0	0	0	0	0	0	22
01:00	0	0	0	1	3	2	2	0	0	0	0	0	0	0	8
02:00	0	0	0	4	4	1	1	0	0	0	0	0	0	0	10
03:00	0	0	0	2	2	2	0	0	0	0	0	0	0	0	6
04:00	0	1	4	4	6	4	2	0	0	0	0	0	0	0	21
05:00	1	1	2	10	20	8	2	0	0	0	0	0	0	0	44
06:00	0	1	23	48	60	13	3	0	0	0	0	0	0	0	148
07:00	3	0	16	70	103	36	2	0	0	0	0	0	0	0	230
08:00	3	0	12	77	91	28	1	0	0	0	0	0	0	0	212
09:00	3	1	8	45	54	13	3	0	0	0	0	0	0	0	127
10:00	0	1	14	29	49	14	2	0	0	0	0	0	0	0	109
11:00	0	0	6	47	53	21	0	0	0	0	0	0	0	0	127
12 PM	4	1	13	39	52	23	4	0	0	0	0	0	0	0	136
13:00	4	0	11	32	55	23	5	0	0	0	0	0	0	0	130
14:00	3	0	14	69	80	22	2	0	0	0	0	0	0	0	190
15:00	3	2	21	81	96	26	6	0	0	0	0	0	0	0	235
16:00	4	1	16	94	108	35	1	1	0	0	0	0	0	0	260
17:00	5	3	17	92	139	34	1	0	0	0	0	0	0	0	291
18:00	1	1	23	62	101	25	3	0	0	0	0	0	0	0	216
19:00	1	5	16	44	54	34	4	0	0	0	0	0	0	0	158
20:00	2	3	5	59	47	8	2	0	0	0	0	0	0	0	126
21:00	0	0	5	25	33	7	2	0	0	0	0	0	0	0	72
22:00	0	0	2	26	22	7	0	0	0	0	0	0	0	0	57
23:00	0	0	2	16	20	7	0	0	0	0	0	0	0	0	45
Total	37	21	233	984	1257	397	49	2	0	0	0	0	0	0	2980

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

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2241
 Percent in Pace : 75.2%
 Number of Vehicles > 30 MPH : 1705
 Percent of Vehicles > 30 MPH : 57.2%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/13/09	0	0	0	4	5	6	1	0	0	0	0	0	0	0	16
01:00	0	0	1	3	2	0	0	0	0	0	0	0	0	0	6
02:00	0	0	0	1	3	3	1	0	0	0	0	0	0	0	8
03:00	0	1	0	2	8	0	0	0	0	0	0	0	0	0	11
04:00	0	0	1	9	7	3	1	0	0	0	0	0	0	0	21
05:00	0	0	3	15	28	11	1	1	0	0	0	0	0	0	59
06:00	3	1	14	37	54	12	3	0	0	0	0	0	0	0	124
07:00	5	2	13	59	98	44	6	1	0	0	0	0	0	0	228
08:00	3	3	17	71	97	25	1	0	0	0	0	0	0	0	217
09:00	5	1	9	34	53	17	3	0	0	0	0	0	0	0	122
10:00	0	2	10	36	51	13	4	0	0	0	0	0	0	0	116
11:00	0	1	15	44	62	16	1	0	0	0	0	0	0	0	139
12 PM	1	4	17	49	49	7	0	0	0	0	0	0	0	0	127
13:00	5	1	2	50	54	19	4	0	0	0	0	0	0	0	135
14:00	2	0	10	70	69	27	3	1	0	0	0	0	0	0	182
15:00	5	9	14	61	110	19	3	0	0	0	0	0	0	0	221
16:00	4	3	8	90	121	45	1	1	0	0	0	0	0	0	273
17:00	0	2	10	93	128	34	7	0	0	0	0	0	0	0	274
18:00	3	4	17	71	85	27	2	0	0	0	0	0	0	0	209
19:00	3	1	15	75	65	20	2	0	0	0	0	0	0	0	181
20:00	0	2	5	66	52	12	0	0	0	0	0	0	0	0	137
21:00	0	1	6	28	24	8	1	0	0	0	0	0	0	0	68
22:00	1	0	6	15	25	9	2	0	0	0	0	0	0	0	58
23:00	1	1	4	12	9	7	2	1	0	0	0	0	0	0	37
Total	41	39	197	995	1259	384	49	5	0	0	0	0	0	0	2969

Daily
 15th Percentile : 26 MPH
 50th Percentile : 31 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 2254
 Percent in Pace : 75.9%
 Number of Vehicles > 30 MPH : 1697
 Percent of Vehicles > 30 MPH : 57.2%

Grand Total	78	60	430	1979	2516	781	98	7	0	0	0	0	0	0	5949
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 31 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4495
 Percent in Pace : 75.6%
 Number of Vehicles > 30 MPH : 3402
 Percent of Vehicles > 30 MPH : 57.2%

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

Community: Abington
Com #_U/RFC: 01_U6
Recorder #: Jamar #13
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 01
Date Start: 12-May-09
Date End: 13-May-09
Old Randolph St,north Randolph St(139)

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
05/12/09	0	11	4	0	0	0	0	0	0	0	0	0	0	15	0
01:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	2	3	0	1	0	0	0	0	0	0	0	0	6	1
03:00	0	2	3	0	1	0	0	0	0	0	0	0	0	6	1
04:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
05:00	0	14	8	0	1	0	0	0	0	0	0	0	0	23	1
06:00	0	45	14	2	2	0	0	0	0	0	0	0	0	63	4
07:00	0	87	41	2	7	0	0	2	0	0	0	0	0	139	11
08:00	0	70	37	2	6	0	0	2	0	0	0	0	0	117	10
09:00	0	45	30	0	6	0	0	0	0	0	0	0	0	81	6
10:00	0	37	21	0	2	0	0	0	0	0	0	0	0	60	2
11:00	0	44	27	0	9	1	0	0	0	0	0	0	0	81	10
12 PM	1	47	38	1	6	0	0	0	0	0	0	0	0	93	7
13:00	0	58	29	0	2	0	0	0	0	0	0	0	0	89	2
14:00	0	59	41	3	11	0	0	0	0	0	0	0	0	114	14
15:00	0	93	44	3	14	0	0	1	0	0	0	0	0	155	18
16:00	0	111	55	0	9	1	0	1	0	0	0	0	0	177	11
17:00	1	144	40	0	15	0	0	0	0	0	0	0	0	200	15
18:00	0	98	40	0	9	0	0	0	0	0	0	0	0	147	9
19:00	0	80	18	0	5	1	0	0	0	0	0	0	0	104	6
20:00	1	63	24	0	1	0	0	0	0	0	0	0	0	89	1
21:00	0	36	10	0	0	0	0	0	0	0	0	0	0	46	0
22:00	0	32	7	0	1	0	0	0	0	0	0	0	0	40	1
23:00	0	22	8	0	2	0	0	0	0	0	0	0	0	32	2
Total	3	1208	546	13	110	3	0	6	0	0	0	0	0	1889	132
Percent	0.2%	63.9%	28.9%	0.7%	5.8%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		7.0%
AM Peak		07:00	07:00	06:00	11:00	11:00		07:00						07:00	07:00
Vol.		87	41	2	9	1		2						139	11
PM Peak		12:00	17:00	16:00	14:00	17:00	16:00	15:00						17:00	15:00
Vol.		1	144	55	3	15	1	1						200	18

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #13
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St,north Randolph St(139)

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
	05/12/09	0	16	6	0	0	0	0	0	0	0	0	0	0	22	0
	01:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
	02:00	0	4	5	0	1	0	0	0	0	0	0	0	0	10	1
	03:00	0	2	3	0	1	0	0	0	0	0	0	0	0	6	1
	04:00	0	17	3	0	1	0	0	0	0	0	0	0	0	21	1
	05:00	0	31	12	0	1	0	0	0	0	0	0	0	0	44	1
	06:00	1	116	25	4	2	0	0	0	0	0	0	0	0	148	6
	07:00	0	162	52	3	11	0	0	2	0	0	0	0	0	230	16
	08:00	0	149	51	2	7	0	0	2	0	0	0	0	0	211	11
	09:00	1	80	38	0	7	0	0	0	0	0	0	0	0	126	7
	10:00	0	72	35	0	2	0	0	0	0	0	0	0	0	109	2
	11:00	0	81	34	0	11	1	0	0	0	0	0	0	0	127	12
	12 PM	1	79	47	2	6	0	0	0	0	0	0	0	0	135	8
	13:00	1	91	35	0	2	1	0	0	0	0	0	0	0	130	3
	14:00	1	118	53	5	12	0	0	0	0	0	0	0	0	189	17
	15:00	1	152	62	3	15	0	0	1	0	0	0	0	0	234	19
	16:00	3	180	66	0	9	1	0	1	0	0	0	0	0	260	11
	17:00	2	217	52	1	17	0	0	0	0	0	0	0	0	289	18
	18:00	0	161	46	0	9	0	0	0	0	0	0	0	0	216	9
	19:00	1	123	28	0	5	1	0	0	0	0	0	0	0	158	6
	20:00	1	96	26	0	2	0	0	0	0	0	0	0	0	125	2
	21:00	1	58	13	0	0	0	0	0	0	0	0	0	0	72	0
	22:00	0	46	10	0	1	0	0	0	0	0	0	0	0	57	1
	23:00	0	34	9	0	2	0	0	0	0	0	0	0	0	45	2
	Total	14	2091	713	20	124	4	0	6	0	0	0	0	0	2972	154
	Percent	0.5%	70.4%	24.0%	0.7%	4.2%	0.1%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		5.2%
	AM Peak	06:00	07:00	07:00	06:00	07:00	11:00		07:00						07:00	07:00
	Vol.	1	162	52	4	11	1		2						230	16
	PM Peak	16:00	17:00	16:00	14:00	17:00	13:00		15:00						17:00	15:00
	Vol.	3	217	66	5	17	1		1						289	19

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St, south of Thicket St
 One-Way (NB)

Start Time	Mon 11-May-09	Tue 12-May-09	Wed 13-May-09	Thu 14-May-09	Fri 15-May-09	Average Day	Sat 16-May-09	Sun 17-May-09	Week Average
12:00 AM	*	2	1	*	*	2	*	*	2
01:00	*	4	3	*	*	4	*	*	4
02:00	*	2	0	*	*	1	*	*	1
03:00	*	5	4	*	*	4	*	*	4
04:00	*	5	6	*	*	6	*	*	6
05:00	*	33	31	*	*	32	*	*	32
06:00	*	34	39	*	*	36	*	*	36
07:00	*	52	49	*	*	50	*	*	50
08:00	*	71	66	*	*	68	*	*	68
09:00	*	48	45	*	*	46	*	*	46
10:00	*	41	40	*	*	40	*	*	40
11:00	*	39	46	*	*	42	*	*	42
12:00 PM	*	48	46	*	*	47	*	*	47
01:00	*	46	46	*	*	46	*	*	46
02:00	*	55	53	*	*	54	*	*	54
03:00	*	77	84	*	*	80	*	*	80
04:00	*	90	95	*	*	92	*	*	92
05:00	*	91	90	*	*	90	*	*	90
06:00	*	92	86	*	*	89	*	*	89
07:00	*	53	59	*	*	56	*	*	56
08:00	*	42	44	*	*	43	*	*	43
09:00	*	14	25	*	*	20	*	*	20
10:00	*	14	19	*	*	16	*	*	16
11:00	*	10	6	*	*	8	*	*	8
Total	0	968	983	0	0	972	0	0	972
% Avg. WkDay		99.6%	101.1%	0.0%	0.0%				
% Avg. Week		99.6%	101.1%	0.0%	0.0%	100.0%	0.0%	0.0%	
AM Peak		08:00	08:00			08:00			08:00
Vol.		71	66			68			68
PM Peak		18:00	16:00			16:00			16:00
Vol.		92	95			92			92
Total	0	968	983	0	0	972	0	0	972

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St, south of Thicket St
 One-Way (NB)

NB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
05/12/09	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	1	0	1	2	1	0	0	0	0	0	0	0	0	0	5
04:00	0	1	0	3	1	0	0	0	0	0	0	0	0	0	5
05:00	1	1	8	16	4	3	0	0	0	0	0	0	0	0	33
06:00	1	0	5	21	6	1	0	0	0	0	0	0	0	0	34
07:00	3	4	12	20	9	3	1	0	0	0	0	0	0	0	52
08:00	1	3	20	39	8	0	0	0	0	0	0	0	0	0	71
09:00	3	7	14	18	6	0	0	0	0	0	0	0	0	0	48
10:00	2	5	10	15	9	0	0	0	0	0	0	0	0	0	41
11:00	0	0	10	22	6	1	0	0	0	0	0	0	0	0	39
12 PM	1	3	11	26	5	2	0	0	0	0	0	0	0	0	48
13:00	1	2	15	21	7	0	0	0	0	0	0	0	0	0	46
14:00	1	1	12	20	18	3	0	0	0	0	0	0	0	0	55
15:00	1	7	30	29	9	1	0	0	0	0	0	0	0	0	77
16:00	6	14	28	37	5	0	0	0	0	0	0	0	0	0	90
17:00	2	10	22	52	5	0	0	0	0	0	0	0	0	0	91
18:00	12	7	41	29	3	0	0	0	0	0	0	0	0	0	92
19:00	7	9	18	15	3	1	0	0	0	0	0	0	0	0	53
20:00	6	7	16	10	3	0	0	0	0	0	0	0	0	0	42
21:00	1	1	8	3	1	0	0	0	0	0	0	0	0	0	14
22:00	0	1	6	7	0	0	0	0	0	0	0	0	0	0	14
23:00	0	0	1	5	3	1	0	0	0	0	0	0	0	0	10
Total	50	83	292	414	112	16	1	0	0	0	0	0	0	0	968

Daily
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 706
 Percent in Pace : 72.9%
 Number of Vehicles > 30 MPH : 129
 Percent of Vehicles > 30 MPH : 13.3%

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

Community: Abington
 Com #_U/RFC: 01_U6
 Recorder #: Jamar #10
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Old Randolph St, south of Thicket St
 One-Way (NB)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/13/09	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	2	1	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	1	0	2	0	0	0	0	0	0	0	0	0	4
04:00	0	1	3	2	0	0	0	0	0	0	0	0	0	0	6
05:00	3	0	6	12	8	1	1	0	0	0	0	0	0	0	31
06:00	1	1	4	18	15	0	0	0	0	0	0	0	0	0	39
07:00	2	3	12	23	7	2	0	0	0	0	0	0	0	0	49
08:00	2	3	10	32	19	0	0	0	0	0	0	0	0	0	66
09:00	2	1	10	23	9	0	0	0	0	0	0	0	0	0	45
10:00	2	2	6	22	8	0	0	0	0	0	0	0	0	0	40
11:00	1	3	10	21	9	2	0	0	0	0	0	0	0	0	46
12 PM	4	10	12	14	6	0	0	0	0	0	0	0	0	0	46
13:00	1	2	8	25	10	0	0	0	0	0	0	0	0	0	46
14:00	2	4	8	27	12	0	0	0	0	0	0	0	0	0	53
15:00	8	8	19	29	19	1	0	0	0	0	0	0	0	0	84
16:00	2	11	19	54	8	1	0	0	0	0	0	0	0	0	95
17:00	2	6	31	40	11	0	0	0	0	0	0	0	0	0	90
18:00	4	11	29	32	10	0	0	0	0	0	0	0	0	0	86
19:00	10	15	19	15	0	0	0	0	0	0	0	0	0	0	59
20:00	8	13	19	2	2	0	0	0	0	0	0	0	0	0	44
21:00	2	1	10	10	2	0	0	0	0	0	0	0	0	0	25
22:00	4	0	3	11	1	0	0	0	0	0	0	0	0	0	19
23:00	0	2	2	0	2	0	0	0	0	0	0	0	0	0	6
Total	61	97	242	414	161	7	1	0	0	0	0	0	0	0	983

Daily
 15th Percentile : 20 MPH
 50th Percentile : 27 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 656
 Percent in Pace : 66.7%
 Number of Vehicles > 30 MPH : 169
 Percent of Vehicles > 30 MPH : 17.2%

Grand Total	111	180	534	828	273	23	2	0	0	0	0	0	0	0	1951
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Overall
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH
 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 1362
 Percent in Pace : 69.8%
 Number of Vehicles > 30 MPH : 298
 Percent of Vehicles > 30 MPH : 15.3%

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Lincoln St, east of Hancock St

Start Time	28-Aug-06		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	*	*	*	*	8	16	9	9	*	*	*	*	*	*	8	12
01:00	*	*	*	*	3	6	5	8	*	*	*	*	*	*	4	7
02:00	*	*	*	*	7	3	4	7	*	*	*	*	*	*	6	5
03:00	*	*	*	*	5	4	6	4	*	*	*	*	*	*	6	4
04:00	*	*	*	*	9	2	12	5	*	*	*	*	*	*	10	4
05:00	*	*	*	*	28	8	33	8	*	*	*	*	*	*	30	8
06:00	*	*	*	*	46	41	44	42	*	*	*	*	*	*	45	42
07:00	*	*	*	*	128	69	119	63	*	*	*	*	*	*	124	66
08:00	*	*	*	*	91	71	83	64	*	*	*	*	*	*	87	68
09:00	*	*	*	*	65	49	73	59	*	*	*	*	*	*	69	54
10:00	*	*	*	*	69	53	73	42	*	*	*	*	*	*	71	48
11:00	*	*	*	*	64	80	52	52	*	*	*	*	*	*	58	66
12:00 PM	*	*	*	*	63	70	70	62	*	*	*	*	*	*	66	66
01:00	*	*	*	*	85	73	72	83	*	*	*	*	*	*	78	78
02:00	*	*	*	*	96	117	91	109	*	*	*	*	*	*	94	113
03:00	*	*	*	*	93	97	101	98	*	*	*	*	*	*	97	98
04:00	*	*	*	*	123	120	108	115	*	*	*	*	*	*	116	118
05:00	*	*	*	*	106	144	123	122	*	*	*	*	*	*	114	133
06:00	*	*	*	*	102	121	132	145	*	*	*	*	*	*	117	133
07:00	*	*	*	*	65	87	83	107	*	*	*	*	*	*	74	97
08:00	*	*	*	*	53	67	49	72	*	*	*	*	*	*	51	70
09:00	*	*	*	*	32	50	33	50	*	*	*	*	*	*	32	50
10:00	*	*	*	*	19	29	33	38	*	*	*	*	*	*	26	34
11:00	*	*	*	*	15	23	16	36	*	*	*	*	*	*	16	30
Lane Day	0	0	0	0	1375	1400	1424	1400	0	0	0	0	0	0	1399	1404
AM Peak Vol.					2775		2824								2803	
PM Peak Vol.																
AM Peak					07:00	11:00	07:00	08:00							07:00	08:00
PM Peak					16:00	17:00	18:00	18:00							18:00	17:00
Vol.					128	80	119	64							124	68
Vol.					123	144	132	145							117	133

Comb. Total 0 0 2775 2824 0 0 0 2803

ADT Not Calculated

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Lincoln St, east of Hancock St

Start Time	28-Aug-06 Mon	29-Aug-06 Tue	30-Aug-06 Wed	31-Aug-06 Thu	01-Sep-06 Fri	02-Sep-06 Sat	03-Sep-06 Sun	Week Average
12:00 AM	*	*	24	18	*	*	*	21
01:00	*	*	9	13	*	*	*	11
02:00	*	*	10	11	*	*	*	10
03:00	*	*	9	10	*	*	*	10
04:00	*	*	11	17	*	*	*	14
05:00	*	*	36	41	*	*	*	38
06:00	*	*	87	86	*	*	*	86
07:00	*	*	197	182	*	*	*	190
08:00	*	*	162	147	*	*	*	154
09:00	*	*	114	132	*	*	*	123
10:00	*	*	122	115	*	*	*	118
11:00	*	*	144	104	*	*	*	124
12:00 PM	*	*	133	132	*	*	*	132
01:00	*	*	158	155	*	*	*	156
02:00	*	*	213	200	*	*	*	206
03:00	*	*	190	199	*	*	*	194
04:00	*	*	243	223	*	*	*	233
05:00	*	*	250	245	*	*	*	248
06:00	*	*	223	277	*	*	*	250
07:00	*	*	152	190	*	*	*	171
08:00	*	*	120	121	*	*	*	120
09:00	*	*	82	83	*	*	*	82
10:00	*	*	48	71	*	*	*	60
11:00	*	*	38	52	*	*	*	45
Total	0	0	2775	2824	0	0	0	2796
Percentage	0.0%	0.0%	99.2%	101.0%	0.0%	0.0%	0.0%	
AM Peak			07:00	07:00				07:00
Vol.			197	182				190
PM Peak			17:00	18:00				18:00
Vol.			250	277				250

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/30/06	0	0	1	0	2	4	1	0	0	0	0	0	0	0	8
01:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
02:00	0	0	0	1	0	6	0	0	0	0	0	0	0	0	7
03:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5
04:00	0	1	0	0	4	2	2	0	0	0	0	0	0	0	9
05:00	0	0	1	2	9	11	5	0	0	0	0	0	0	0	28
06:00	0	0	0	7	18	15	4	2	0	0	0	0	0	0	46
07:00	2	0	0	14	43	50	18	1	0	0	0	0	0	0	128
08:00	0	0	0	8	44	31	7	1	0	0	0	0	0	0	91
09:00	2	0	0	7	27	21	7	1	0	0	0	0	0	0	65
10:00	2	0	0	7	31	23	5	1	0	0	0	0	0	0	69
11:00	2	2	1	7	29	15	7	1	0	0	0	0	0	0	64
12 PM	0	0	0	5	28	26	4	0	0	0	0	0	0	0	63
13:00	0	0	1	11	37	29	5	1	0	0	0	0	1	0	85
14:00	1	3	2	7	49	26	8	0	0	0	0	0	0	0	96
15:00	2	0	1	11	37	30	10	2	0	0	0	0	0	0	93
16:00	0	0	0	10	40	51	21	0	1	0	0	0	0	0	123
17:00	3	1	0	9	27	46	15	4	1	0	0	0	0	0	106
18:00	1	3	1	11	37	41	5	3	0	0	0	0	0	0	102
19:00	0	0	0	2	26	30	6	1	0	0	0	0	0	0	65
20:00	0	0	1	8	25	16	2	0	1	0	0	0	0	0	53
21:00	1	0	1	4	13	8	3	1	1	0	0	0	0	0	32
22:00	0	0	0	2	5	9	2	1	0	0	0	0	0	0	19
23:00	0	0	1	4	7	2	1	0	0	0	0	0	0	0	15
Total	16	10	11	137	541	495	139	21	4	0	0	0	1	0	1375

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
08/31/06	0	0	0	2	3	1	2	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
01:00	0	0	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
02:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
03:00	1	0	0	1	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
04:00	0	1	0	1	3	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
05:00	0	0	0	3	11	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
06:00	0	0	0	10	19	10	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	
07:00	2	0	0	11	47	44	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	
08:00	1	0	0	9	37	31	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	
09:00	0	0	1	8	27	34	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	
10:00	0	0	1	4	36	28	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	
11:00	0	0	0	4	24	17	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	
12 PM	2	0	1	8	24	26	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	
13:00	0	0	2	8	24	27	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	
14:00	3	0	1	7	36	38	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91	
15:00	2	0	1	8	40	41	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	
16:00	0	0	1	4	30	54	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	
17:00	2	0	0	8	43	53	15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	
18:00	2	0	1	12	47	58	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	132	
19:00	1	1	2	13	32	28	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83	
20:00	1	1	2	5	16	22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
21:00	0	0	1	7	8	13	2	1	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
22:00	0	1	0	2	10	14	3	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
23:00	0	0	1	0	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	
Total	17	4	17	138	526	568	137	15	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1424	
Grand Total	33	14	28	275	1067	1063	276	36	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2799	

15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

Stats
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 2130
 Percent in Pace : 76.1%
 Number of Vehicles > 30 MPH : 2449
 Percent of Vehicles > 30 MPH : 87.5%

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/30/06	0	0	0	0	2	7	3	4	0	0	0	0	0	0	16
01:00	0	0	0	1	2	3	0	0	0	0	0	0	0	0	6
02:00	1	0	1	0	0	1	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	2	1	0	1	0	0	0	0	0	0	4
04:00	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	3	4	1	0	0	0	0	0	0	0	8
06:00	0	0	1	4	14	15	4	3	0	0	0	0	0	0	41
07:00	0	0	1	3	23	35	6	1	0	0	0	0	0	0	69
08:00	0	0	2	8	21	27	12	1	0	0	0	0	0	0	71
09:00	0	2	0	5	12	18	10	2	0	0	0	0	0	0	49
10:00	5	0	0	4	11	25	8	0	0	0	0	0	0	0	53
11:00	1	1	0	6	25	25	19	3	0	0	0	0	0	0	80
12 PM	2	0	2	4	20	31	8	2	0	1	0	0	0	0	70
13:00	0	0	1	3	24	40	3	1	1	0	0	0	0	0	73
14:00	2	0	0	10	45	47	13	0	0	0	0	0	0	0	117
15:00	0	0	0	5	36	36	18	2	0	0	0	0	0	0	97
16:00	1	1	0	3	32	62	18	3	0	0	0	0	0	0	120
17:00	1	0	0	5	44	65	25	3	1	0	0	0	0	0	144
18:00	1	0	0	7	50	48	14	1	0	0	0	0	0	0	121
19:00	0	0	0	6	41	31	9	0	0	0	0	0	0	0	87
20:00	0	0	0	11	28	20	8	0	0	0	0	0	0	0	67
21:00	1	1	0	6	12	19	3	7	1	0	0	0	0	0	50
22:00	0	0	0	0	8	16	5	0	0	0	0	0	0	0	29
23:00	0	0	0	3	4	10	6	0	0	0	0	0	0	0	23
Total	15	5	8	95	459	587	193	34	3	1	0	0	0	0	1400

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/31/06	0	0	0	0	5	2	2	0	0	0	0	0	0	0	9
01:00	0	0	0	1	2	4	0	1	0	0	0	0	0	0	8
02:00	0	0	0	1	2	3	0	1	0	0	0	0	0	0	7
03:00	0	0	1	0	1	2	0	0	0	0	0	0	0	0	4
04:00	0	0	0	1	0	4	0	0	0	0	0	0	0	0	5
05:00	0	0	0	0	3	3	2	0	0	0	0	0	0	0	8
06:00	0	0	0	3	15	18	5	1	0	0	0	0	0	0	42
07:00	1	0	0	3	21	29	9	0	0	0	0	0	0	0	63
08:00	2	0	1	0	27	22	12	0	0	0	0	0	0	0	64
09:00	1	1	1	0	10	31	10	5	0	0	0	0	0	0	59
10:00	0	0	0	3	15	20	3	1	0	0	0	0	0	0	42
11:00	0	0	0	0	19	20	11	2	0	0	0	0	0	0	52
12 PM	2	0	0	0	20	29	11	0	0	0	0	0	0	0	62
13:00	2	2	1	4	21	41	8	2	2	0	0	0	0	0	83
14:00	0	0	0	6	37	45	18	3	0	0	0	0	0	0	109
15:00	1	0	2	3	29	47	15	1	0	0	0	0	0	0	98
16:00	1	0	2	1	31	59	20	1	0	0	0	0	0	0	115
17:00	2	1	0	6	30	64	16	3	0	0	0	0	0	0	122
18:00	3	0	0	10	59	56	17	0	0	0	0	0	0	0	145
19:00	1	0	0	11	50	29	13	3	0	0	0	0	0	0	107
20:00	0	0	2	7	30	28	3	2	0	0	0	0	0	0	72
21:00	1	1	0	3	20	16	8	1	0	0	0	0	0	0	50
22:00	0	0	0	2	9	16	8	1	1	1	0	0	0	0	38
23:00	0	0	0	1	11	15	7	1	1	0	0	0	0	0	36
Total	17	5	10	66	467	603	198	29	4	1	0	0	0	0	1400
Grand Total	32	10	18	161	926	1190	391	63	7	2	0	0	0	0	2800

15th Percentile : 32 MPH
 50th Percentile : 37 MPH
 85th Percentile : 41 MPH
 95th Percentile : 45 MPH

Stats
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 2116
 Percent in Pace : 75.6%
 Number of Vehicles > 30 MPH : 2579
 Percent of Vehicles > 30 MPH : 92.1%

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

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/30/06	0	0	1	0	4	11	4	4	0	0	0	0	0	0	24
01:00	0	0	0	1	3	5	0	0	0	0	0	0	0	0	9
02:00	1	0	1	1	0	7	0	0	0	0	0	0	0	0	10
03:00	0	0	0	0	4	2	1	2	0	0	0	0	0	0	9
04:00	0	1	0	1	4	3	2	0	0	0	0	0	0	0	11
05:00	0	0	1	2	12	15	6	0	0	0	0	0	0	0	36
06:00	0	0	1	11	32	30	8	5	0	0	0	0	0	0	87
07:00	2	0	1	17	66	85	24	2	0	0	0	0	0	0	197
08:00	0	0	2	16	65	58	19	2	0	0	0	0	0	0	162
09:00	2	2	0	12	39	39	17	3	0	0	0	0	0	0	114
10:00	7	0	0	11	42	48	13	1	0	0	0	0	0	0	122
11:00	3	3	1	13	54	40	26	4	0	0	0	0	0	0	144
12 PM	2	0	2	9	48	57	12	2	0	1	0	0	0	0	133
13:00	0	0	2	14	61	69	8	2	1	0	0	0	1	0	158
14:00	3	3	2	17	94	73	21	0	0	0	0	0	0	0	213
15:00	2	0	1	16	73	66	28	4	0	0	0	0	0	0	190
16:00	1	1	0	13	72	113	39	3	1	0	0	0	0	0	243
17:00	4	1	0	14	71	111	40	7	2	0	0	0	0	0	250
18:00	2	3	1	18	87	89	19	4	0	0	0	0	0	0	223
19:00	0	0	0	8	67	61	15	1	0	0	0	0	0	0	152
20:00	0	0	1	19	53	36	10	0	1	0	0	0	0	0	120
21:00	2	1	1	10	25	27	6	8	2	0	0	0	0	0	82
22:00	0	0	0	2	13	25	7	1	0	0	0	0	0	0	48
23:00	0	0	1	7	11	12	7	0	0	0	0	0	0	0	38
Total	31	15	19	232	1000	1082	332	55	7	1	0	0	1	0	2775

Community: Abington
 Community#_FC: 01_U0
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/31/06	0	0	2	3	6	4	3	0	0	0	0	0	0	0	18
01:00	0	0	0	3	4	4	1	1	0	0	0	0	0	0	13
02:00	0	0	0	1	4	5	0	1	0	0	0	0	0	0	11
03:00	1	0	1	1	1	6	0	0	0	0	0	0	0	0	10
04:00	0	1	0	2	3	9	1	1	0	0	0	0	0	0	17
05:00	0	0	0	3	14	13	11	0	0	0	0	0	0	0	41
06:00	0	0	0	13	34	28	9	2	0	0	0	0	0	0	86
07:00	3	0	0	14	68	73	22	2	0	0	0	0	0	0	182
08:00	3	0	1	9	64	53	16	1	0	0	0	0	0	0	147
09:00	1	1	2	8	37	65	13	5	0	0	0	0	0	0	132
10:00	0	0	1	7	51	48	7	1	0	0	0	0	0	0	115
11:00	0	0	0	4	43	37	18	2	0	0	0	0	0	0	104
12 PM	4	0	1	8	44	55	20	0	0	0	0	0	0	0	132
13:00	2	2	3	12	45	68	17	4	2	0	0	0	0	0	155
14:00	3	0	1	13	73	83	23	4	0	0	0	0	0	0	200
15:00	3	0	3	11	69	88	23	2	0	0	0	0	0	0	199
16:00	1	0	3	5	61	113	39	1	0	0	0	0	0	0	223
17:00	4	1	0	14	73	117	31	5	0	0	0	0	0	0	245
18:00	5	0	1	22	106	114	28	1	0	0	0	0	0	0	277
19:00	2	1	2	24	82	57	19	3	0	0	0	0	0	0	190
20:00	1	1	4	12	46	50	5	2	0	0	0	0	0	0	121
21:00	1	1	1	10	28	29	10	2	1	0	0	0	0	0	83
22:00	0	1	0	4	19	30	11	3	1	2	0	0	0	0	71
23:00	0	0	1	1	18	22	8	1	1	0	0	0	0	0	52
Total	34	9	27	204	993	1171	335	44	5	2	0	0	0	0	2824
Grand Total	65	24	46	436	1993	2253	667	99	12	3	0	0	1	0	5599

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

Stats
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 4246
 Percent in Pace : 75.8%
 Number of Vehicles > 30 MPH : 5028
 Percent of Vehicles > 30 MPH : 89.8%

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/30/06	0	7	1	0	0	0	0	0	0	0	0	0	0	8
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	7	0	0	0	0	0	0	0	0	0	0	0	7
03:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
04:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
05:00	0	18	8	0	2	0	0	0	0	0	0	0	0	28
06:00	1	32	13	0	0	0	0	0	0	0	0	0	0	46
07:00	2	91	31	0	3	1	0	0	0	0	0	0	0	128
08:00	1	68	20	0	2	0	0	0	0	0	0	0	0	91
09:00	1	44	18	0	1	1	0	0	0	0	0	0	0	65
10:00	1	47	18	1	0	0	0	1	0	0	0	0	0	68
11:00	0	50	12	0	1	0	0	0	0	0	0	0	0	63
12 PM	0	47	12	0	3	1	0	0	0	0	0	0	0	63
13:00	1	63	20	0	1	0	0	0	0	0	0	0	0	85
14:00	0	69	24	0	2	0	0	1	0	0	0	0	0	96
15:00	1	60	27	0	0	3	0	1	0	0	0	0	0	92
16:00	4	89	29	0	1	0	0	0	0	0	0	0	0	123
17:00	1	80	22	0	3	0	0	0	0	0	0	0	0	106
18:00	1	81	18	0	2	0	0	0	0	0	0	0	0	102
19:00	2	49	14	0	0	0	0	0	0	0	0	0	0	65
20:00	0	41	10	0	2	0	0	0	0	0	0	0	0	53
21:00	0	24	5	0	3	0	0	0	0	0	0	0	0	32
22:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19
23:00	0	14	1	0	0	0	0	0	0	0	0	0	0	15
Total	16	1010	310	1	26	6	0	3	0	0	0	0	0	1372
Percent	1.2%	73.6%	22.6%	0.1%	1.9%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	10:00	07:00	07:00		10:00						07:00
Vol.	2	91	31	1	3	1		1						128
PM Peak	16:00	16:00	16:00		12:00	15:00		14:00						16:00
Vol.	4	89	29		3	3		1						123

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/31/06	0	8	1	0	0	0	0	0	0	0	0	0	0	9
01:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
03:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
04:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12
05:00	0	18	12	0	2	0	0	1	0	0	0	0	0	33
06:00	1	27	13	1	0	0	0	2	0	0	0	0	0	44
07:00	0	88	25	1	2	2	0	1	0	0	0	0	0	119
08:00	0	65	17	0	1	0	0	0	0	0	0	0	0	83
09:00	0	53	16	0	3	1	0	0	0	0	0	0	0	73
10:00	0	53	18	0	2	0	0	0	0	0	0	0	0	73
11:00	0	38	9	0	2	3	0	0	0	0	0	0	0	52
12 PM	1	53	16	0	0	0	0	0	0	0	0	0	0	70
13:00	2	57	9	0	4	0	0	0	0	0	0	0	0	72
14:00	0	69	20	0	2	0	0	0	0	0	0	0	0	91
15:00	0	58	38	1	3	1	0	0	0	0	0	0	0	101
16:00	0	73	32	0	3	0	0	0	0	0	0	0	0	108
17:00	1	90	27	0	3	0	0	1	0	0	0	0	0	122
18:00	0	100	27	0	3	1	0	0	0	0	0	0	0	131
19:00	0	60	22	0	1	0	0	0	0	0	0	0	0	83
20:00	1	39	9	0	0	0	0	0	0	0	0	0	0	49
21:00	0	26	7	0	0	0	0	0	0	0	0	0	0	33
22:00	0	31	2	0	0	0	0	0	0	0	0	0	0	33
23:00	0	13	3	0	0	0	0	0	0	0	0	0	0	16
Total	6	1042	327	3	31	8	0	5	0	0	0	0	0	1422
Percent	0.4%	73.3%	23.0%	0.2%	2.2%	0.6%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	07:00	07:00	06:00	09:00	11:00		06:00						07:00
Vol.	1	88	25	1	3	3		2						119
PM Peak	13:00	18:00	15:00	15:00	13:00	15:00		17:00						18:00
Vol.	2	100	38	1	4	1		1						131
Grand Total	22	2052	637	4	57	14	0	8	0	0	0	0	0	2794
Percent	0.8%	73.4%	22.8%	0.1%	2.0%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/30/06	0	14	2	0	0	0	0	0	0	0	0	0	0	16
01:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6
02:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3
03:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	6	1	0	1	0	0	0	0	0	0	0	0	8
06:00	0	30	9	0	1	1	0	0	0	0	0	0	0	41
07:00	0	43	21	0	3	2	0	0	0	0	0	0	0	69
08:00	0	46	22	0	3	0	0	0	0	0	0	0	0	71
09:00	1	32	14	0	1	1	0	0	0	0	0	0	0	49
10:00	0	36	13	0	2	0	0	2	0	0	0	0	0	53
11:00	1	50	25	2	2	0	0	0	0	0	0	0	0	80
12 PM	2	50	14	0	2	0	0	0	1	0	0	0	0	69
13:00	0	51	18	0	4	0	0	0	0	0	0	0	0	73
14:00	0	79	33	0	2	2	0	0	0	0	0	0	0	116
15:00	1	69	24	0	3	0	0	0	0	0	0	0	0	97
16:00	2	85	32	0	1	0	0	0	0	0	0	0	0	120
17:00	1	107	32	0	2	1	0	1	0	0	0	0	0	144
18:00	2	84	33	0	2	0	0	0	0	0	0	0	0	121
19:00	0	67	19	0	1	0	0	0	0	0	0	0	0	87
20:00	0	49	17	1	0	0	0	0	0	0	0	0	0	67
21:00	0	42	7	0	1	0	0	0	0	0	0	0	0	50
22:00	0	20	9	0	0	0	0	0	0	0	0	0	0	29
23:00	0	20	2	0	1	0	0	0	0	0	0	0	0	23
Total	10	994	348	3	32	7	0	3	1	0	0	0	0	1398
Percent	0.7%	71.1%	24.9%	0.2%	2.3%	0.5%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	
AM Peak	09:00	11:00	11:00	11:00	07:00	07:00		10:00						11:00
Vol.	1	50	25	2	3	2		2						80
PM Peak	12:00	17:00	14:00	20:00	13:00	14:00		17:00	12:00					17:00
Vol.	2	107	33	1	4	2		1	1					144

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/31/06	0	8	1	0	0	0	0	0	0	0	0	0	0	9
01:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8
02:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4
04:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
05:00	0	2	5	0	1	0	0	0	0	0	0	0	0	8
06:00	0	28	11	0	2	1	0	0	0	0	0	0	0	42
07:00	1	42	17	0	3	0	0	0	0	0	0	0	0	63
08:00	0	41	21	1	1	0	0	0	0	0	0	0	0	64
09:00	1	44	14	0	0	0	0	0	0	0	0	0	0	59
10:00	0	28	12	0	2	0	0	0	0	0	0	0	0	42
11:00	0	41	9	0	1	1	0	0	0	0	0	0	0	52
12 PM	1	41	16	0	1	1	0	1	0	0	0	0	0	61
13:00	3	60	19	0	1	0	0	0	0	0	0	0	0	83
14:00	1	81	22	0	3	0	0	2	0	0	0	0	0	109
15:00	0	68	27	0	2	1	0	0	0	0	0	0	0	98
16:00	0	80	29	1	5	0	0	0	0	0	0	0	0	115
17:00	1	85	32	0	3	0	0	0	0	0	0	0	0	121
18:00	2	109	32	0	2	0	0	0	0	0	0	0	0	145
19:00	0	74	31	0	1	1	0	0	0	0	0	0	0	107
20:00	1	53	18	0	0	0	0	0	0	0	0	0	0	72
21:00	0	41	9	0	0	0	0	0	0	0	0	0	0	50
22:00	0	30	8	0	0	0	0	0	0	0	0	0	0	38
23:00	0	28	8	0	0	0	0	0	0	0	0	0	0	36
Total	11	1005	344	2	28	5	0	3	0	0	0	0	0	1398
Percent	0.8%	71.9%	24.6%	0.1%	2.0%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	09:00	08:00	08:00	07:00	06:00								08:00
Vol.	1	44	21	1	3	1								64
PM Peak	13:00	18:00	17:00	16:00	16:00	12:00		14:00						18:00
Vol.	3	109	32	1	5	1		2						145
Grand Total	21	1999	692	5	60	12	0	6	1	0	0	0	0	2796
Percent	0.8%	71.5%	24.7%	0.2%	2.1%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/30/06	0	21	3	0	0	0	0	0	0	0	0	0	0	24
01:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9
02:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10
03:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9
04:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11
05:00	0	24	9	0	3	0	0	0	0	0	0	0	0	36
06:00	1	62	22	0	1	1	0	0	0	0	0	0	0	87
07:00	2	134	52	0	6	3	0	0	0	0	0	0	0	197
08:00	1	114	42	0	5	0	0	0	0	0	0	0	0	162
09:00	2	76	32	0	2	2	0	0	0	0	0	0	0	114
10:00	1	83	31	1	2	0	0	3	0	0	0	0	0	121
11:00	1	100	37	2	3	0	0	0	0	0	0	0	0	143
12 PM	2	97	26	0	5	1	0	0	1	0	0	0	0	132
13:00	1	114	38	0	5	0	0	0	0	0	0	0	0	158
14:00	0	148	57	0	4	2	0	1	0	0	0	0	0	212
15:00	2	129	51	0	3	3	0	1	0	0	0	0	0	189
16:00	6	174	61	0	2	0	0	0	0	0	0	0	0	243
17:00	2	187	54	0	5	1	0	1	0	0	0	0	0	250
18:00	3	165	51	0	4	0	0	0	0	0	0	0	0	223
19:00	2	116	33	0	1	0	0	0	0	0	0	0	0	152
20:00	0	90	27	1	2	0	0	0	0	0	0	0	0	120
21:00	0	66	12	0	4	0	0	0	0	0	0	0	0	82
22:00	0	37	11	0	0	0	0	0	0	0	0	0	0	48
23:00	0	34	3	0	1	0	0	0	0	0	0	0	0	38
Total	26	2004	658	4	58	13	0	6	1	0	0	0	0	2770
Percent	0.9%	72.3%	23.8%	0.1%	2.1%	0.5%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	07:00	11:00	07:00	07:00		10:00						07:00
Vol.	2	134	52	2	6	3		3						197
PM Peak	16:00	17:00	16:00	20:00	12:00	15:00		14:00	12:00					17:00
Vol.	6	187	61	1	5	3		1	1					250

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

Community: Abington
 Community#_FC: 01_UO
 Recorder #: Jamar #5
 Tube Layout: L6 Basic
 EB, WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Lincoln St, east of Hancock St

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
08/31/06	0	16	2	0	0	0	0	0	0	0	0	0	0	18
01:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13
02:00	0	10	1	0	0	0	0	0	0	0	0	0	0	11
03:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10
04:00	0	13	4	0	0	0	0	0	0	0	0	0	0	17
05:00	0	20	17	0	3	0	0	1	0	0	0	0	0	41
06:00	1	55	24	1	2	1	0	2	0	0	0	0	0	86
07:00	1	130	42	1	5	2	0	1	0	0	0	0	0	182
08:00	0	106	38	1	2	0	0	0	0	0	0	0	0	147
09:00	1	97	30	0	3	1	0	0	0	0	0	0	0	132
10:00	0	81	30	0	4	0	0	0	0	0	0	0	0	115
11:00	0	79	18	0	3	4	0	0	0	0	0	0	0	104
12 PM	2	94	32	0	1	1	0	1	0	0	0	0	0	131
13:00	5	117	28	0	5	0	0	0	0	0	0	0	0	155
14:00	1	150	42	0	5	0	0	2	0	0	0	0	0	200
15:00	0	126	65	1	5	2	0	0	0	0	0	0	0	199
16:00	0	153	61	1	8	0	0	0	0	0	0	0	0	223
17:00	2	175	59	0	6	0	0	1	0	0	0	0	0	243
18:00	2	209	59	0	5	1	0	0	0	0	0	0	0	276
19:00	0	134	53	0	2	1	0	0	0	0	0	0	0	190
20:00	2	92	27	0	0	0	0	0	0	0	0	0	0	121
21:00	0	67	16	0	0	0	0	0	0	0	0	0	0	83
22:00	0	61	10	0	0	0	0	0	0	0	0	0	0	71
23:00	0	41	11	0	0	0	0	0	0	0	0	0	0	52
Total	17	2047	671	5	59	13	0	8	0	0	0	0	0	2820
Percent	0.6%	72.6%	23.8%	0.2%	2.1%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	07:00	07:00	06:00	07:00	11:00		06:00						07:00
Vol.	1	130	42	1	5	4		2						182
PM Peak	13:00	18:00	15:00	15:00	16:00	15:00		14:00						18:00
Vol.	5	209	65	1	8	2		2						276
Grand Total	43	4051	1329	9	117	26	0	14	1	0	0	0	0	5590
Percent	0.8%	72.5%	23.8%	0.2%	2.1%	0.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

Start Time	16-Jun-08		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	*	*	52	106	101	209	*	*	*	*	*	*	*	*	76	158
01:00	*	*	28	42	42	98	*	*	*	*	*	*	*	*	35	70
02:00	*	*	15	35	33	53	*	*	*	*	*	*	*	*	24	44
03:00	*	*	31	37	41	48	*	*	*	*	*	*	*	*	36	42
04:00	*	*	112	45	108	46	*	*	*	*	*	*	*	*	110	46
05:00	*	*	444	98	442	115	*	*	*	*	*	*	*	*	443	106
06:00	*	*	762	280	789	273	*	*	*	*	*	*	*	*	776	276
07:00	*	*	942	455	970	497	*	*	*	*	*	*	*	*	956	476
08:00	*	*	855	526	942	553	*	*	*	*	*	*	*	*	898	540
09:00	*	*	744	494	723	599	*	*	*	*	*	*	*	*	734	546
10:00	*	*	623	488	659	627	*	*	*	*	*	*	*	*	641	558
11:00	*	*	642	592	661	680	*	*	*	*	*	*	*	*	652	636
12:00 PM	*	*	689	661	657	677	*	*	*	*	*	*	*	*	673	669
01:00	*	*	658	649	690	670	*	*	*	*	*	*	*	*	674	660
02:00	*	*	663	713	637	736	*	*	*	*	*	*	*	*	650	724
03:00	*	*	678	942	704	868	*	*	*	*	*	*	*	*	691	905
04:00	*	*	648	1008	608	1002	*	*	*	*	*	*	*	*	628	1005
05:00	*	*	701	1078	673	1109	*	*	*	*	*	*	*	*	687	1094
06:00	*	*	625	840	591	920	*	*	*	*	*	*	*	*	608	880
07:00	*	*	475	659	554	675	*	*	*	*	*	*	*	*	514	667
08:00	*	*	432	531	455	565	*	*	*	*	*	*	*	*	444	548
09:00	*	*	319	382	285	425	*	*	*	*	*	*	*	*	302	404
10:00	*	*	210	271	276	328	*	*	*	*	*	*	*	*	243	300
11:00	*	*	114	219	145	231	*	*	*	*	*	*	*	*	130	225
Total Day	0	0	11462	11151	11786	12004	0	0	0	0	0	0	0	0	11625	11579
AM Peak Vol.			942	592	970	680									956	636
PM Peak Vol.			701	1078	704	1109									691	1094
Comb. Total	0		22613		23790		0		0		0		0		23204	

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

Community: Abington
Com #_U/RFC: 01_U3
Recorder #: Jamar #11
Tube Layout: L6 Basic

Station ID:
Site Code: 01
Date Start: 17-Jun-08
Date End: 18-Jun-08
Bedford St(18),north Brockton Ave (123)

Start Time	16-Jun-08 Mon	17-Jun-08 Tue	18-Jun-08 Wed	19-Jun-08 Thu	20-Jun-08 Fri	21-Jun-08 Sat	22-Jun-08 Sun	Week Average
12:00 AM	*	158	310	*	*	*	*	234
01:00	*	70	140	*	*	*	*	105
02:00	*	50	86	*	*	*	*	68
03:00	*	68	89	*	*	*	*	78
04:00	*	157	154	*	*	*	*	156
05:00	*	542	557	*	*	*	*	550
06:00	*	1042	1062	*	*	*	*	1052
07:00	*	1397	1467	*	*	*	*	1432
08:00	*	1381	1495	*	*	*	*	1438
09:00	*	1238	1322	*	*	*	*	1280
10:00	*	1111	1286	*	*	*	*	1198
11:00	*	1234	1341	*	*	*	*	1288
12:00 PM	*	1350	1334	*	*	*	*	1342
01:00	*	1307	1360	*	*	*	*	1334
02:00	*	1376	1373	*	*	*	*	1374
03:00	*	1620	1572	*	*	*	*	1596
04:00	*	1656	1610	*	*	*	*	1633
05:00	*	1779	1782	*	*	*	*	1780
06:00	*	1465	1511	*	*	*	*	1488
07:00	*	1134	1229	*	*	*	*	1182
08:00	*	963	1020	*	*	*	*	992
09:00	*	701	710	*	*	*	*	706
10:00	*	481	604	*	*	*	*	542
11:00	*	333	376	*	*	*	*	354
Total	0	22613	23790	0	0	0	0	23202
Percentage	0.0%	97.5%	102.5%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	08:00					08:00
Vol.		1397	1495					1438
PM Peak		17:00	17:00					17:00
Vol.		1779	1782					1780

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

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
06/17/08	0	0	0	0	0	12	24	13	2	1	0	0	0	0	52
01:00	0	0	0	1	1	4	13	9	0	0	0	0	0	0	28
02:00	0	0	0	0	0	3	6	5	1	0	0	0	0	0	15
03:00	0	0	0	1	0	6	11	8	4	1	0	0	0	0	31
04:00	0	0	0	1	0	7	40	44	20	0	0	0	0	0	112
05:00	7	0	0	2	1	21	167	188	53	5	0	0	0	0	444
06:00	30	0	0	3	20	136	351	190	25	7	0	0	0	0	762
07:00	47	0	0	3	40	253	447	133	17	2	0	0	0	0	942
08:00	40	0	1	4	21	195	369	195	28	2	0	0	0	0	855
09:00	50	0	0	0	19	179	362	118	16	0	0	0	0	0	744
10:00	28	0	0	0	20	175	260	119	17	3	1	0	0	0	623
11:00	32	0	0	10	33	139	284	133	11	0	0	0	0	0	642
12 PM	51	0	0	9	38	185	271	113	20	2	0	0	0	0	689
13:00	38	0	1	2	19	131	325	128	9	5	0	0	0	0	658
14:00	31	0	1	5	43	179	266	121	16	1	0	0	0	0	663
15:00	50	0	2	23	84	166	242	101	10	0	0	0	0	0	678
16:00	56	0	10	2	7	84	314	159	16	0	0	0	0	0	648
17:00	81	0	1	7	33	184	267	121	5	2	0	0	0	0	701
18:00	56	1	2	1	32	129	251	142	11	0	0	0	0	0	625
19:00	28	1	1	5	15	63	208	137	15	2	0	0	0	0	475
20:00	25	0	1	3	35	94	190	72	7	5	0	0	0	0	432
21:00	12	0	1	1	17	87	135	61	5	0	0	0	0	0	319
22:00	8	0	1	0	3	46	101	37	11	3	0	0	0	0	210
23:00	3	0	0	0	3	15	41	40	11	1	0	0	0	0	114
Total	673	2	22	83	484	2493	4945	2387	330	42	1	0	0	0	11462

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

NB

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			
06/18/08	3	0	0	0	0	19	44	28	4	2	1	0	0	0	0	101
01:00	0	0	0	0	1	8	17	14	1	1	0	0	0	0	0	42
02:00	0	0	0	0	2	6	16	7	1	0	1	0	0	0	0	33
03:00	1	0	0	0	0	2	19	13	4	2	0	0	0	0	0	41
04:00	0	0	1	0	0	3	36	46	16	5	1	0	0	0	0	108
05:00	4	0	1	0	4	24	148	213	46	1	1	0	0	0	0	442
06:00	18	0	0	2	9	91	357	285	26	0	1	0	0	0	0	789
07:00	42	1	3	18	50	226	422	196	9	3	0	0	0	0	0	970
08:00	53	0	0	10	92	263	367	145	11	1	0	0	0	0	0	942
09:00	40	0	0	5	26	187	320	132	12	1	0	0	0	0	0	723
10:00	26	0	0	2	26	154	313	128	8	2	0	0	0	0	0	659
11:00	31	0	1	2	40	157	297	121	12	0	0	0	0	0	0	661
12 PM	34	0	1	7	24	153	318	112	8	0	0	0	0	0	0	657
13:00	44	0	3	10	47	199	262	110	14	1	0	0	0	0	0	690
14:00	42	0	0	2	33	163	254	127	16	0	0	0	0	0	0	637
15:00	60	0	1	11	48	201	263	106	12	1	1	0	0	0	0	704
16:00	73	0	0	3	23	132	260	100	15	2	0	0	0	0	0	608
17:00	69	1	1	10	22	113	304	134	19	0	0	0	0	0	0	673
18:00	45	0	0	3	15	67	282	137	36	6	0	0	0	0	0	591
19:00	28	0	0	3	26	164	231	88	11	3	0	0	0	0	0	554
20:00	15	0	1	0	10	139	203	77	8	2	0	0	0	0	0	455
21:00	8	0	0	0	9	89	136	36	6	1	0	0	0	0	0	285
22:00	9	0	0	2	12	79	123	41	9	1	0	0	0	0	0	276
23:00	3	0	0	1	4	35	57	43	2	0	0	0	0	0	0	145
Total	648	2	13	91	523	2674	5049	2439	306	35	6	0	0	0	0	11786
Grand Total	1321	4	35	174	1007	5167	9994	4826	636	77	7	0	0	0	0	23248

15th Percentile : 36 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

Stats Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 15161
 Percent in Pace : 65.2%
 Number of Vehicles > 45 MPH : 5546
 Percent of Vehicles > 45 MPH : 23.9%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (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
06/17/08	0	0	0	0	1	14	29	44	16	0	2	0	0	0	106
01:00	0	0	0	0	0	4	15	17	5	0	0	1	0	0	42
02:00	0	0	0	0	0	0	12	14	6	1	2	0	0	0	35
03:00	0	0	0	0	0	5	12	13	5	1	0	1	0	0	37
04:00	2	0	0	1	0	0	17	18	7	0	0	0	0	0	45
05:00	3	0	0	0	0	11	27	31	19	5	0	2	0	0	98
06:00	27	0	0	1	3	13	85	120	26	5	0	0	0	0	280
07:00	38	0	0	2	26	75	167	116	28	3	0	0	0	0	455
08:00	45	0	0	5	25	88	200	126	31	6	0	0	0	0	526
09:00	36	1	0	2	15	88	197	121	32	2	0	0	0	0	494
10:00	30	0	0	1	16	77	210	122	28	4	0	0	0	0	488
11:00	49	0	0	7	38	127	232	117	19	3	0	0	0	0	592
12 PM	53	0	1	2	22	135	258	157	32	1	0	0	0	0	661
13:00	48	0	0	1	33	174	273	101	13	3	3	0	0	0	649
14:00	46	0	1	10	41	149	306	132	24	4	0	0	0	0	713
15:00	68	1	20	69	145	274	260	94	10	1	0	0	0	0	942
16:00	56	0	1	26	90	276	374	158	23	4	0	0	0	0	1008
17:00	87	4	15	89	130	294	320	117	20	2	0	0	0	0	1078
18:00	53	0	0	13	74	172	314	191	21	2	0	0	0	0	840
19:00	28	1	4	10	30	169	253	128	31	4	1	0	0	0	659
20:00	24	1	0	4	21	81	237	139	19	2	3	0	0	0	531
21:00	11	0	0	3	14	51	175	98	21	6	2	1	0	0	382
22:00	6	0	0	0	1	26	104	90	31	9	4	0	0	0	271
23:00	0	0	0	0	0	17	74	84	29	10	5	0	0	0	219
Total	710	8	42	246	725	2320	4151	2348	496	78	22	5	0	0	11151

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (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
06/18/08	7	0	0	0	0	7	60	90	36	6	2	1	0	0	209
01:00	0	0	0	0	0	2	23	44	18	9	1	1	0	0	98
02:00	0	0	0	0	2	1	11	18	15	4	2	0	0	0	53
03:00	0	0	0	0	0	1	11	16	11	7	2	0	0	0	48
04:00	0	0	0	1	0	4	13	13	10	3	2	0	0	0	46
05:00	8	0	0	0	2	7	23	48	22	4	1	0	0	0	115
06:00	18	0	1	0	0	34	85	100	27	7	1	0	0	0	273
07:00	53	0	0	2	28	61	161	151	34	6	1	0	0	0	497
08:00	64	0	0	0	30	78	212	128	36	4	1	0	0	0	553
09:00	39	0	3	1	19	72	257	179	27	2	0	0	0	0	599
10:00	40	0	0	0	14	130	286	129	25	2	0	1	0	0	627
11:00	51	3	4	17	31	130	274	149	18	2	1	0	0	0	680
12 PM	44	0	0	4	46	181	267	119	15	1	0	0	0	0	677
13:00	51	0	0	5	25	164	274	120	29	2	0	0	0	0	670
14:00	46	0	7	29	55	176	256	146	19	2	0	0	0	0	736
15:00	69	0	4	28	62	214	316	155	17	3	0	0	0	0	868
16:00	94	7	37	43	138	240	326	103	13	1	0	0	0	0	1002
17:00	103	0	7	28	124	305	375	151	15	1	0	0	0	0	1109
18:00	65	3	3	41	95	193	315	173	24	7	1	0	0	0	920
19:00	37	0	0	2	35	170	268	134	23	4	1	1	0	0	675
20:00	26	1	0	1	27	124	257	103	26	0	0	0	0	0	565
21:00	13	0	0	0	6	85	193	114	11	2	1	0	0	0	425
22:00	11	0	0	0	10	47	132	105	20	3	0	0	0	0	328
23:00	1	0	0	0	4	29	96	72	22	5	0	1	1	0	231
Total	840	14	66	202	753	2455	4491	2560	513	87	17	5	1	0	12004
Grand Total	1550	22	108	448	1478	4775	8642	4908	1009	165	39	10	1	0	23155

15th Percentile : 35 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 51 MPH

Stats
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 13550
 Percent in Pace : 58.5%
 Number of Vehicles > 45 MPH : 6132
 Percent of Vehicles > 45 MPH : 26.5%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
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Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

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
06/17/08	0	0	0	0	1	26	53	57	18	1	2	0	0	0	158
01:00	0	0	0	1	1	8	28	26	5	0	0	1	0	0	70
02:00	0	0	0	0	0	3	18	19	7	1	2	0	0	0	50
03:00	0	0	0	1	0	11	23	21	9	2	0	1	0	0	68
04:00	2	0	0	2	0	7	57	62	27	0	0	0	0	0	157
05:00	10	0	0	2	1	32	194	219	72	10	0	2	0	0	542
06:00	57	0	0	4	23	149	436	310	51	12	0	0	0	0	1042
07:00	85	0	0	5	66	328	614	249	45	5	0	0	0	0	1397
08:00	85	0	1	9	46	283	569	321	59	8	0	0	0	0	1381
09:00	86	1	0	2	34	267	559	239	48	2	0	0	0	0	1238
10:00	58	0	0	1	36	252	470	241	45	7	1	0	0	0	1111
11:00	81	0	0	17	71	266	516	250	30	3	0	0	0	0	1234
12 PM	104	0	1	11	60	320	529	270	52	3	0	0	0	0	1350
13:00	86	0	1	3	52	305	598	229	22	8	3	0	0	0	1307
14:00	77	0	2	15	84	328	572	253	40	5	0	0	0	0	1376
15:00	118	1	22	92	229	440	502	195	20	1	0	0	0	0	1620
16:00	112	0	11	28	97	360	688	317	39	4	0	0	0	0	1656
17:00	168	4	16	96	163	478	587	238	25	4	0	0	0	0	1779
18:00	109	1	2	14	106	301	565	333	32	2	0	0	0	0	1465
19:00	56	2	5	15	45	232	461	265	46	6	1	0	0	0	1134
20:00	49	1	1	7	56	175	427	211	26	7	3	0	0	0	963
21:00	23	0	1	4	31	138	310	159	26	6	2	1	0	0	701
22:00	14	0	1	0	4	72	205	127	42	12	4	0	0	0	481
23:00	3	0	0	0	3	32	115	124	40	11	5	0	0	0	333
Total	1383	10	64	329	1209	4813	9096	4735	826	120	23	5	0	0	22613

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

NB, SB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
06/18/08	10	0	0	0	0	0	0	0	0	26	104	118	40	8	3	1	0	0	0	0	0	0	0	0	0	0	0	310
01:00	0	0	0	0	0	0	1	10	40	58	19	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	140
02:00	0	0	0	0	0	0	4	7	27	25	16	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
03:00	1	0	0	0	0	0	0	3	30	29	15	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
04:00	0	0	1	1	0	0	7	49	59	26	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154
05:00	12	0	1	0	6	31	171	261	68	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	557
06:00	36	0	1	2	9	125	442	385	53	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1062
07:00	95	1	3	20	78	287	583	347	43	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1467
08:00	117	0	0	10	122	341	579	273	47	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1495
09:00	79	0	3	6	45	259	577	311	39	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1322
10:00	66	0	0	2	40	284	599	257	33	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1286
11:00	82	3	5	19	71	287	571	270	30	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1341
12 PM	78	0	1	11	70	334	585	231	23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1334
13:00	95	0	3	15	72	363	536	230	43	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1360
14:00	88	0	7	31	88	339	510	273	35	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1373
15:00	129	0	5	39	110	415	579	261	29	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1572
16:00	167	7	37	46	161	372	586	203	28	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1610
17:00	172	1	8	38	146	418	679	285	34	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1782
18:00	110	3	3	44	110	260	597	310	60	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1511
19:00	65	0	0	5	61	334	499	222	34	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1229
20:00	41	1	1	1	37	263	460	180	34	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1020
21:00	21	0	0	0	15	174	329	150	17	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	710
22:00	20	0	0	2	22	126	255	146	29	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	604
23:00	4	0	0	1	8	64	153	115	24	5	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	376
Total	1488	16	79	293	1276	5129	9540	4999	819	122	23	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23790
Grand Total	2871	26	143	622	2485	9942	18636	9734	1645	242	46	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46403

15th Percentile : 36 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

Stats
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 28578
 Percent in Pace : 61.6%
 Number of Vehicles > 45 MPH : 11678
 Percent of Vehicles > 45 MPH : 25.2%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

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
	06/17/08	0	30	16	0	6	0	0	0	0	0	0	0	0	52	6
	01:00	0	14	12	0	2	0	0	0	0	0	0	0	0	28	2
	02:00	0	4	7	1	2	0	0	1	0	0	0	0	0	15	4
	03:00	0	14	11	1	5	0	0	0	0	0	0	0	0	31	6
	04:00	2	48	47	0	14	1	0	0	0	0	0	0	0	112	15
	05:00	1	211	139	0	86	1	0	1	5	0	0	0	0	444	93
	06:00	0	358	244	7	141	2	0	4	5	0	0	0	0	761	159
	07:00	2	491	293	4	118	4	1	18	10	0	0	0	0	941	155
	08:00	3	445	290	8	86	1	0	10	11	0	0	0	0	854	116
	09:00	4	333	274	12	97	6	1	8	12	0	0	0	0	747	136
	10:00	2	289	236	7	69	6	0	5	8	0	0	0	0	622	95
	11:00	3	316	230	9	69	5	0	3	6	0	0	0	0	641	92
	12 PM	3	343	249	9	69	6	0	7	6	0	0	0	0	692	97
	13:00	3	319	239	14	70	5	0	3	5	0	0	0	0	658	97
	14:00	6	337	238	4	64	1	0	4	7	1	0	0	0	662	81
	15:00	3	348	234	6	73	4	0	2	8	0	0	0	0	678	93
	16:00	0	358	210	1	67	7	0	3	4	0	0	0	0	650	82
	17:00	7	378	231	1	65	10	0	9	2	0	0	0	0	703	87
	18:00	4	352	206	4	50	6	0	4	1	0	0	0	0	627	65
	19:00	5	270	151	0	36	4	0	6	2	0	0	0	0	474	48
	20:00	1	264	139	0	24	3	0	1	0	0	0	0	0	432	28
	21:00	0	187	109	0	22	0	0	0	0	0	0	0	0	318	22
	22:00	1	126	73	0	10	0	0	0	0	0	0	0	0	210	10
	23:00	0	73	31	0	10	0	0	0	0	0	0	0	0	114	10
	Total	50	5908	3909	88	1255	72	2	89	92	1	0	0	0	11466	1599
	Percent	0.4%	51.5%	34.1%	0.8%	10.9%	0.6%	0.0%	0.8%	0.8%	0.0%	0.0%	0.0%	0.0%		13.9%
	AM Peak	09:00	07:00	07:00	09:00	06:00	09:00	07:00	07:00	09:00					07:00	06:00
	Vol.	4	491	293	12	141	6	1	18	12					941	159
	PM Peak	17:00	17:00	12:00	13:00	15:00	17:00		17:00	15:00	14:00				17:00	12:00
	Vol.	7	378	249	14	73	10		9	8	1				703	97

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08
 Bedford St(18),north Brockton Ave (123)

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
06/18/08	0	59	31	0	8	1	0	1	1	0	0	0	0	101	11
01:00	0	31	11	0	0	0	0	0	0	0	0	0	0	42	0
02:00	0	19	10	0	3	0	0	1	0	0	0	0	0	33	4
03:00	1	19	11	0	10	0	0	0	0	0	0	0	0	41	10
04:00	0	39	51	0	16	1	0	1	0	0	0	0	0	108	18
05:00	6	195	151	1	82	2	0	1	5	0	0	0	0	443	91
06:00	3	379	250	3	141	0	0	9	3	1	0	0	0	789	157
07:00	6	537	295	5	97	5	2	12	9	0	0	0	0	968	130
08:00	2	494	297	9	93	11	8	17	13	0	0	0	0	944	151
09:00	7	370	232	6	86	4	1	8	8	0	0	0	0	722	113
10:00	5	347	222	4	62	4	1	5	9	0	0	0	0	659	85
11:00	4	360	200	7	75	3	1	7	3	0	0	0	0	660	96
12 PM	5	348	215	8	60	5	4	3	7	0	0	0	0	655	87
13:00	1	374	223	6	56	8	3	4	12	1	0	0	0	688	90
14:00	5	331	209	7	70	3	1	6	4	0	0	0	0	636	91
15:00	2	356	248	7	67	10	1	7	8	0	0	0	0	706	100
16:00	3	349	188	7	50	6	1	4	1	0	0	0	0	609	69
17:00	5	381	217	2	53	9	0	6	2	0	0	0	0	675	72
18:00	3	328	208	1	42	1	0	4	2	0	0	0	0	589	50
19:00	4	314	180	1	48	2	0	3	1	0	0	0	0	553	55
20:00	2	259	152	0	36	2	0	3	1	0	0	0	0	455	42
21:00	5	175	87	0	15	2	0	1	0	0	0	0	0	285	18
22:00	0	157	89	0	24	3	0	2	0	0	0	0	0	275	29
23:00	1	89	46	0	9	0	0	0	0	0	0	0	0	145	9
Total	70	6310	3823	74	1203	82	23	105	89	2	0	0	0	11781	1578
Percent	0.6%	53.6%	32.5%	0.6%	10.2%	0.7%	0.2%	0.9%	0.8%	0.0%	0.0%	0.0%	0.0%		13.4%
AM Peak	09:00	07:00	08:00	08:00	06:00	08:00	08:00	08:00	08:00	06:00				07:00	06:00
Vol.	7	537	297	9	141	11	8	17	13	1				968	157
PM Peak	12:00	17:00	15:00	12:00	14:00	15:00	12:00	15:00	13:00	13:00				15:00	15:00
Vol.	5	381	248	8	70	10	4	7	12	1				706	100
Grand Total	120	12218	7732	162	2458	154	25	194	181	3	0	0	0	23247	3177
Percent	0.5%	52.6%	33.3%	0.7%	10.6%	0.7%	0.1%	0.8%	0.8%	0.0%	0.0%	0.0%	0.0%		13.7%

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08

Bedford St(18),north Brockton Ave (123)

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
06/17/08	0	67	34	0	4	0	0	0	1	0	0	0	0	106	5
01:00	0	27	11	0	3	0	0	0	1	0	0	0	0	42	4
02:00	0	21	13	0	1	0	0	0	0	0	0	0	0	35	1
03:00	0	15	13	0	8	1	0	0	0	0	0	0	0	37	9
04:00	0	22	13	1	6	1	0	1	1	0	0	0	0	45	10
05:00	0	48	32	0	14	1	0	1	2	0	0	0	0	98	18
06:00	1	130	108	2	35	1	0	1	2	0	0	0	0	280	41
07:00	2	266	122	8	43	3	0	3	6	0	1	0	0	454	64
08:00	3	266	170	4	61	2	0	9	9	0	1	0	0	525	86
09:00	1	230	173	5	64	2	0	10	8	0	0	0	0	493	89
10:00	1	246	161	4	61	1	0	3	10	0	0	0	0	487	79
11:00	1	282	210	5	69	3	0	9	10	1	0	0	0	590	97
12 PM	3	352	215	9	62	4	0	9	8	1	0	0	0	663	93
13:00	3	350	218	6	50	6	0	9	6	0	0	0	0	648	77
14:00	2	390	208	8	83	4	0	9	8	0	0	0	0	712	112
15:00	3	485	323	4	109	3	0	8	8	1	0	0	0	944	133
16:00	2	533	335	4	118	3	0	13	3	0	0	0	0	1011	141
17:00	3	621	316	3	107	6	0	19	3	1	0	0	0	1079	139
18:00	3	514	248	3	58	5	0	10	1	0	0	0	0	842	77
19:00	2	395	193	0	62	0	0	6	0	0	0	0	0	658	68
20:00	1	326	152	0	44	1	0	6	0	0	0	0	0	530	51
21:00	2	228	134	0	17	0	0	1	0	0	0	0	0	382	18
22:00	0	184	73	2	12	0	0	0	0	0	0	0	0	271	14
23:00	0	141	66	0	9	0	0	3	0	0	0	0	0	219	12
Total	33	6139	3541	68	1100	47	0	130	87	4	2	0	0	11151	1438
Percent	0.3%	55.1%	31.8%	0.6%	9.9%	0.4%	0.0%	1.2%	0.8%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak	08:00	11:00	11:00	07:00	11:00	07:00		09:00	10:00	11:00	07:00			11:00	11:00
Vol.	3	282	210	8	69	3		10	10	1	1			590	97
PM Peak	12:00	17:00	16:00	12:00	16:00	13:00		17:00	12:00	12:00				17:00	16:00
Vol.	3	621	335	9	118	6		19	8	1				1079	141

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

Community: Abington
 Com #_U/RFC: 01_U3
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08

Bedford St(18),north Brockton Ave (123)

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
06/18/08	3	118	72	1	15	0	0	0	0	0	0	0	0	209	16
01:00	1	62	27	0	7	0	0	1	0	0	0	0	0	98	8
02:00	1	28	18	0	5	0	0	0	1	0	0	0	0	53	6
03:00	0	21	17	0	9	0	0	1	0	0	0	0	0	48	10
04:00	0	22	13	2	7	0	0	0	2	0	0	0	0	46	11
05:00	1	58	33	3	19	0	0	0	1	0	0	0	0	115	23
06:00	1	130	109	2	30	0	0	1	0	0	0	0	0	273	33
07:00	2	283	140	9	49	3	0	6	7	0	0	0	0	499	74
08:00	3	289	163	8	61	8	0	14	9	0	0	0	0	555	100
09:00	5	304	198	7	60	2	0	9	13	0	0	0	0	598	91
10:00	5	319	203	7	70	8	0	5	8	0	0	0	1	626	99
11:00	1	350	239	10	64	3	0	5	7	0	0	0	0	679	89
12 PM	3	349	239	6	62	3	1	5	8	0	0	0	0	676	85
13:00	3	369	221	5	54	4	0	10	7	0	0	0	0	673	80
14:00	3	406	228	4	76	5	0	5	6	2	0	0	0	735	98
15:00	2	467	285	7	87	5	0	8	8	1	0	0	0	870	116
16:00	3	530	336	4	102	6	0	16	6	0	0	0	0	1003	134
17:00	4	639	347	2	89	4	0	21	3	0	0	0	0	1109	119
18:00	4	528	287	4	81	3	1	11	2	0	0	1	0	922	103
19:00	4	399	216	0	50	0	0	6	0	0	0	0	0	675	56
20:00	2	337	180	0	46	0	0	0	0	0	0	0	0	565	46
21:00	3	256	129	0	32	0	0	4	0	0	0	0	0	424	36
22:00	0	205	98	0	24	0	0	0	0	0	0	0	0	327	24
23:00	0	146	68	0	15	1	0	1	0	0	0	0	0	231	17
Total	54	6615	3866	81	1114	55	2	129	88	3	0	1	1	12009	1474
Percent	0.4%	55.1%	32.2%	0.7%	9.3%	0.5%	0.0%	1.1%	0.7%	0.0%	0.0%	0.0%	0.0%		12.3%
AM Peak	09:00	11:00	11:00	11:00	10:00	08:00		08:00	09:00				10:00	11:00	08:00
Vol.	5	350	239	10	70	8		14	13				1	679	100
PM Peak	17:00	17:00	17:00	15:00	16:00	16:00	12:00	17:00	12:00	14:00		18:00		17:00	16:00
Vol.	4	639	347	7	102	6	1	21	8	2		1		1109	134
Grand Total	87	12754	7407	149	2214	102	2	259	175	7	2	1	1	23160	2912
Percent	0.4%	55.1%	32.0%	0.6%	9.6%	0.4%	0.0%	1.1%	0.8%	0.0%	0.0%	0.0%	0.0%		12.6%

Old Colony Planning Council
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Community: Abington
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Station ID:
 Site Code: 01
 Date Start: 17-Jun-08
 Date End: 18-Jun-08

Bedford St(18),north Brockton Ave (123)

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
	06/17/08	0	97	50	0	10	0	0	0	1	0	0	0	0	158	11
	01:00	0	41	23	0	5	0	0	0	1	0	0	0	0	70	6
	02:00	0	25	20	1	3	0	0	1	0	0	0	0	0	50	5
	03:00	0	29	24	1	13	1	0	0	0	0	0	0	0	68	15
	04:00	2	70	60	1	20	2	0	1	1	0	0	0	0	157	25
	05:00	1	259	171	0	100	2	0	2	7	0	0	0	0	542	111
	06:00	1	488	352	9	176	3	0	5	7	0	0	0	0	1041	200
	07:00	4	757	415	12	161	7	1	21	16	0	1	0	0	1395	219
	08:00	6	711	460	12	147	3	0	19	20	0	1	0	0	1379	202
	09:00	5	563	447	17	161	8	1	18	20	0	0	0	0	1240	225
	10:00	3	535	397	11	130	7	0	8	18	0	0	0	0	1109	174
	11:00	4	598	440	14	138	8	0	12	16	1	0	0	0	1231	189
	12 PM	6	695	464	18	131	10	0	16	14	1	0	0	0	1355	190
	13:00	6	669	457	20	120	11	0	12	11	0	0	0	0	1306	174
	14:00	8	727	446	12	147	5	0	13	15	1	0	0	0	1374	193
	15:00	6	833	557	10	182	7	0	10	16	1	0	0	0	1622	226
	16:00	2	891	545	5	185	10	0	16	7	0	0	0	0	1661	223
	17:00	10	999	547	4	172	16	0	28	5	1	0	0	0	1782	226
	18:00	7	866	454	7	108	11	0	14	2	0	0	0	0	1469	142
	19:00	7	665	344	0	98	4	0	12	2	0	0	0	0	1132	116
	20:00	2	590	291	0	68	4	0	7	0	0	0	0	0	962	79
	21:00	2	415	243	0	39	0	0	1	0	0	0	0	0	700	40
	22:00	1	310	146	2	22	0	0	0	0	0	0	0	0	481	24
	23:00	0	214	97	0	19	0	0	3	0	0	0	0	0	333	22
	Total	83	12047	7450	156	2355	119	2	219	179	5	2	0	0	22617	3037
	Percent	0.4%	53.3%	32.9%	0.7%	10.4%	0.5%	0.0%	1.0%	0.8%	0.0%	0.0%	0.0%	0.0%		13.4%
AM Peak	08:00	07:00	08:00	09:00	06:00	09:00	07:00	07:00	08:00	11:00	07:00				07:00	09:00
Vol.	6	757	460	17	176	8	1	21	20	1	1				1395	225
PM Peak	17:00	17:00	15:00	13:00	16:00	17:00		17:00	15:00	12:00					17:00	15:00
Vol.	10	999	557	20	185	16		28	16	1					1782	226

Old Colony Planning Council
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Station ID:
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Bedford St(18),north Brockton Ave (123)

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
	06/18/08	3	177	103	1	23	1	0	1	1	0	0	0	0	310	27
	01:00	1	93	38	0	7	0	0	1	0	0	0	0	0	140	8
	02:00	1	47	28	0	8	0	0	1	1	0	0	0	0	86	10
	03:00	1	40	28	0	19	0	0	1	0	0	0	0	0	89	20
	04:00	0	61	64	2	23	1	0	1	2	0	0	0	0	154	29
	05:00	7	253	184	4	101	2	0	1	6	0	0	0	0	558	114
	06:00	4	509	359	5	171	0	0	10	3	1	0	0	0	1062	190
	07:00	8	820	435	14	146	8	2	18	16	0	0	0	0	1467	204
	08:00	5	783	460	17	154	19	8	31	22	0	0	0	0	1499	251
	09:00	12	674	430	13	146	6	1	17	21	0	0	0	0	1320	204
	10:00	10	666	425	11	132	12	1	10	17	0	0	0	1	1285	184
	11:00	5	710	439	17	139	6	1	12	10	0	0	0	0	1339	185
	12 PM	8	697	454	14	122	8	5	8	15	0	0	0	0	1331	172
	13:00	4	743	444	11	110	12	3	14	19	1	0	0	0	1361	170
	14:00	8	737	437	11	146	8	1	11	10	2	0	0	0	1371	189
	15:00	4	823	533	14	154	15	1	15	16	1	0	0	0	1576	216
	16:00	6	879	524	11	152	12	1	20	7	0	0	0	0	1612	203
	17:00	9	1020	564	4	142	13	0	27	5	0	0	0	0	1784	191
	18:00	7	856	495	5	123	4	1	15	4	0	0	1	0	1511	153
	19:00	8	713	396	1	98	2	0	9	1	0	0	0	0	1228	111
	20:00	4	596	332	0	82	2	0	3	1	0	0	0	0	1020	88
	21:00	8	431	216	0	47	2	0	5	0	0	0	0	0	709	54
	22:00	0	362	187	0	48	3	0	2	0	0	0	0	0	602	53
	23:00	1	235	114	0	24	1	0	1	0	0	0	0	0	376	26
	Total	124	12925	7689	155	2317	137	25	234	177	5	0	1	1	23790	3052
	Percent	0.5%	54.3%	32.3%	0.7%	9.7%	0.6%	0.1%	1.0%	0.7%	0.0%	0.0%	0.0%	0.0%		12.8%
AM Peak	09:00	07:00	08:00	08:00	06:00	08:00	08:00	08:00	08:00	06:00				10:00	08:00	08:00
Vol.	12	820	460	17	171	19	8	31	22	1				1	1499	251
PM Peak	17:00	17:00	17:00	12:00	15:00	15:00	12:00	17:00	13:00	14:00			18:00		17:00	15:00
Vol.	9	1020	564	14	154	15	5	27	19	2			1		1784	216
Grand Total		207	24972	15139	311	4672	256	27	453	356	10	2	1	1	46407	6089
Percent		0.4%	53.8%	32.6%	0.7%	10.1%	0.6%	0.1%	1.0%	0.8%	0.0%	0.0%	0.0%	0.0%		13.1%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

Start Time	11-May-09		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	*	*	14	48	32	49	*	*	*	*	*	*	*	*	23	48
01:00	*	*	8	14	12	24	*	*	*	*	*	*	*	*	10	19
02:00	*	*	12	13	11	11	*	*	*	*	*	*	*	*	12	12
03:00	*	*	19	14	14	20	*	*	*	*	*	*	*	*	16	17
04:00	*	*	56	13	60	19	*	*	*	*	*	*	*	*	58	16
05:00	*	*	254	43	251	56	*	*	*	*	*	*	*	*	252	50
06:00	*	*	440	112	418	84	*	*	*	*	*	*	*	*	429	98
07:00	*	*	587	161	589	169	*	*	*	*	*	*	*	*	588	165
08:00	*	*	480	172	461	164	*	*	*	*	*	*	*	*	470	168
09:00	*	*	308	195	321	206	*	*	*	*	*	*	*	*	314	200
10:00	*	*	264	216	244	197	*	*	*	*	*	*	*	*	254	206
11:00	*	*	262	238	240	235	*	*	*	*	*	*	*	*	251	236
12:00 PM	*	*	258	277	255	278	*	*	*	*	*	*	*	*	256	278
01:00	*	*	256	260	256	263	*	*	*	*	*	*	*	*	256	262
02:00	*	*	284	345	270	326	*	*	*	*	*	*	*	*	277	336
03:00	*	*	275	444	277	462	*	*	*	*	*	*	*	*	276	453
04:00	*	*	237	571	229	531	*	*	*	*	*	*	*	*	233	551
05:00	*	*	241	577	274	594	*	*	*	*	*	*	*	*	258	586
06:00	*	*	255	430	260	438	*	*	*	*	*	*	*	*	258	434
07:00	*	*	168	312	196	320	*	*	*	*	*	*	*	*	182	316
08:00	*	*	118	220	167	249	*	*	*	*	*	*	*	*	142	234
09:00	*	*	100	159	114	171	*	*	*	*	*	*	*	*	107	165
10:00	*	*	94	109	81	91	*	*	*	*	*	*	*	*	88	100
11:00	*	*	41	89	44	93	*	*	*	*	*	*	*	*	42	91
Total	0	0	5031	5032	5076	5050	0	0	0	0	0	0	0	0	5052	5041
Day	0	0	10063		10126		0	0	0	0	0	0	0	0	10093	
AM Peak			07:00	11:00	07:00	11:00									07:00	11:00
Vol.			587	238	589	235									588	236
PM Peak			14:00	17:00	15:00	17:00									14:00	17:00
Vol.			284	577	277	594									277	586

Comb. Total 0 10063 10126 0 0 0 0 10093

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

Start Time	11-May-09 Mon	12-May-09 Tue	13-May-09 Wed	14-May-09 Thu	15-May-09 Fri	16-May-09 Sat	17-May-09 Sun	Week Average
12:00 AM	*	62	81	*	*	*	*	72
01:00	*	22	36	*	*	*	*	29
02:00	*	25	22	*	*	*	*	24
03:00	*	33	34	*	*	*	*	34
04:00	*	69	79	*	*	*	*	74
05:00	*	297	307	*	*	*	*	302
06:00	*	552	502	*	*	*	*	527
07:00	*	748	758	*	*	*	*	753
08:00	*	652	625	*	*	*	*	638
09:00	*	503	527	*	*	*	*	515
10:00	*	480	441	*	*	*	*	460
11:00	*	500	475	*	*	*	*	488
12:00 PM	*	535	533	*	*	*	*	534
01:00	*	516	519	*	*	*	*	518
02:00	*	629	596	*	*	*	*	612
03:00	*	719	739	*	*	*	*	729
04:00	*	808	760	*	*	*	*	784
05:00	*	818	868	*	*	*	*	843
06:00	*	685	698	*	*	*	*	692
07:00	*	480	516	*	*	*	*	498
08:00	*	338	416	*	*	*	*	377
09:00	*	259	285	*	*	*	*	272
10:00	*	203	172	*	*	*	*	188
11:00	*	130	137	*	*	*	*	134
Total	0	10063	10126	0	0	0	0	10097
Percentage	0.0%	99.7%	100.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		748	758					753
PM Peak		17:00	17:00					17:00
Vol.		818	868					843

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/12/09	0	0	0	0	3	4	4	1	0	1	0	1	0	0	14
01:00	0	0	0	0	0	2	4	2	0	0	0	0	0	0	8
02:00	0	0	0	1	1	5	1	3	1	0	0	0	0	0	12
03:00	0	0	0	0	0	1	11	6	1	0	0	0	0	0	19
04:00	0	0	0	0	0	12	22	17	5	0	0	0	0	0	56
05:00	3	0	0	0	0	28	149	60	10	4	0	0	0	0	254
06:00	3	0	0	0	15	117	207	92	6	0	0	0	0	0	440
07:00	11	0	0	1	22	120	343	85	5	0	0	0	0	0	587
08:00	8	0	0	0	11	139	244	68	9	1	0	0	0	0	480
09:00	8	0	0	0	11	111	132	41	4	1	0	0	0	0	308
10:00	3	0	0	0	12	72	137	38	2	0	0	0	0	0	264
11:00	10	0	0	0	14	75	134	24	4	1	0	0	0	0	262
12 PM	12	0	0	0	3	64	133	45	1	0	0	0	0	0	258
13:00	4	0	0	0	6	58	141	39	8	0	0	0	0	0	256
14:00	8	0	0	0	0	68	160	42	5	1	0	0	0	0	284
15:00	17	0	0	1	3	70	124	49	10	1	0	0	0	0	275
16:00	14	0	0	1	3	41	108	60	9	1	0	0	0	0	237
17:00	9	0	0	2	1	63	108	48	9	1	0	0	0	0	241
18:00	12	0	0	0	3	50	138	43	9	0	0	0	0	0	255
19:00	5	0	0	0	6	39	77	33	6	2	0	0	0	0	168
20:00	4	0	0	0	9	50	42	12	1	0	0	0	0	0	118
21:00	2	0	0	0	3	41	39	13	2	0	0	0	0	0	100
22:00	2	0	1	0	13	22	40	13	3	0	0	0	0	0	94
23:00	0	0	0	0	0	11	18	8	3	1	0	0	0	0	41
Total	135	0	1	6	139	1263	2516	842	113	15	0	1	0	0	5031

Daily
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3779
 Percent in Pace : 75.1%
 Number of Vehicles > 45 MPH : 971
 Percent of Vehicles > 45 MPH : 19.3%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/13/09	1	0	0	0	0	4	17	7	2	1	0	0	0	0	32
01:00	0	0	0	0	2	4	4	2	0	0	0	0	0	0	12
02:00	0	0	0	0	0	3	4	2	2	0	0	0	0	0	11
03:00	0	0	0	0	0	1	5	5	1	2	0	0	0	0	14
04:00	0	0	0	0	1	9	28	17	5	0	0	0	0	0	60
05:00	1	0	0	0	1	36	142	59	11	1	0	0	0	0	251
06:00	7	0	0	0	6	101	202	97	4	0	1	0	0	0	418
07:00	11	0	0	0	3	124	330	110	11	0	0	0	0	0	589
08:00	8	0	0	0	4	72	241	121	15	0	0	0	0	0	461
09:00	10	0	0	0	17	75	170	42	7	0	0	0	0	0	321
10:00	6	0	0	0	15	79	115	21	6	2	0	0	0	0	244
11:00	5	0	0	0	4	48	139	38	6	0	0	0	0	0	240
12 PM	9	0	0	0	27	77	109	29	3	1	0	0	0	0	255
13:00	8	0	0	2	7	69	130	37	3	0	0	0	0	0	256
14:00	11	0	0	0	10	80	101	54	13	0	1	0	0	0	270
15:00	12	0	0	0	5	41	151	57	11	0	0	0	0	0	277
16:00	18	0	1	2	6	45	102	49	6	0	0	0	0	0	229
17:00	8	0	0	0	4	51	153	51	7	0	0	0	0	0	274
18:00	9	0	0	0	3	51	131	54	9	1	2	0	0	0	260
19:00	10	0	4	0	3	46	101	26	4	2	0	0	0	0	196
20:00	1	0	0	0	9	70	75	9	2	1	0	0	0	0	167
21:00	5	0	0	1	3	43	45	14	3	0	0	0	0	0	114
22:00	1	0	0	0	0	18	43	18	0	1	0	0	0	0	81
23:00	1	0	0	0	3	11	16	10	2	1	0	0	0	0	44
Total	142	0	5	5	133	1158	2554	929	133	13	4	0	0	0	5076

Daily
 15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3712
 Percent in Pace : 73.1%
 Number of Vehicles > 45 MPH : 1079
 Percent of Vehicles > 45 MPH : 21.3%

Grand Total	277	0	6	11	272	2421	5070	1771	246	28	4	1	0	0	10107
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Overall
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7491
 Percent in Pace : 74.1%
 Number of Vehicles > 45 MPH : 2050
 Percent of Vehicles > 45 MPH : 20.3%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/12/09	0	0	0	0	0	7	13	20	7	1	0	0	0	0	48
01:00	0	0	0	0	0	0	5	5	3	1	0	0	0	0	14
02:00	0	0	0	0	0	4	6	1	2	0	0	0	0	0	13
03:00	0	0	0	0	1	0	7	4	1	0	1	0	0	0	14
04:00	0	0	0	0	1	2	3	4	2	0	0	1	0	0	13
05:00	5	0	0	0	0	4	14	18	2	0	0	0	0	0	43
06:00	8	0	0	0	4	22	46	24	6	1	1	0	0	0	112
07:00	10	0	0	0	0	25	59	48	15	4	0	0	0	0	161
08:00	9	0	4	1	1	21	67	56	10	3	0	0	0	0	172
09:00	10	0	0	0	5	26	100	42	10	1	1	0	0	0	195
10:00	4	0	0	0	1	29	98	65	15	3	1	0	0	0	216
11:00	10	0	0	0	4	33	95	78	16	2	0	0	0	0	238
12 PM	10	0	0	0	0	39	123	86	16	2	1	0	0	0	277
13:00	5	0	0	0	0	37	104	88	25	1	0	0	0	0	260
14:00	8	0	0	0	0	33	128	130	38	8	0	0	0	0	345
15:00	13	0	0	0	9	34	173	173	35	7	0	0	0	0	444
16:00	12	0	0	1	5	48	284	185	31	4	1	0	0	0	571
17:00	8	0	0	0	10	70	274	179	35	1	0	0	0	0	577
18:00	14	0	0	0	3	45	204	127	32	5	0	0	0	0	430
19:00	8	0	0	0	2	33	137	103	24	3	2	0	0	0	312
20:00	1	0	0	0	2	36	103	63	14	1	0	0	0	0	220
21:00	0	0	0	0	6	12	74	53	12	2	0	0	0	0	159
22:00	2	0	0	0	0	6	37	39	22	3	0	0	0	0	109
23:00	0	0	0	0	0	9	29	31	15	3	2	0	0	0	89
Total	137	0	4	2	54	575	2183	1622	388	56	10	1	0	0	5032

Daily
 15th Percentile : 40 MPH
 50th Percentile : 44 MPH
 85th Percentile : 50 MPH
 95th Percentile : 53 MPH

 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 3805
 Percent in Pace : 75.6%
 Number of Vehicles > 45 MPH : 2077
 Percent of Vehicles > 45 MPH : 41.3%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/13/09	0	0	0	0	0	5	9	15	16	4	0	0	0	0	49
01:00	0	0	0	0	0	1	6	11	5	1	0	0	0	0	24
02:00	0	0	0	0	0	3	3	1	3	1	0	0	0	0	11
03:00	0	0	0	0	1	5	5	7	2	0	0	0	0	0	20
04:00	0	0	0	0	0	2	3	10	2	2	0	0	0	0	19
05:00	3	0	0	1	1	5	15	19	8	3	1	0	0	0	56
06:00	2	0	0	0	2	11	40	22	5	2	0	0	0	0	84
07:00	12	0	0	0	3	12	64	63	14	1	0	0	0	0	169
08:00	10	0	3	1	2	17	68	44	17	2	0	0	0	0	164
09:00	7	0	0	1	15	18	87	54	19	4	0	1	0	0	206
10:00	3	0	0	0	1	23	90	64	13	3	0	0	0	0	197
11:00	4	0	0	0	0	48	107	61	15	0	0	0	0	0	235
12 PM	7	0	0	2	6	43	138	68	8	6	0	0	0	0	278
13:00	8	0	0	0	3	47	111	70	21	3	0	0	0	0	263
14:00	6	0	0	0	0	44	164	92	18	2	0	0	0	0	326
15:00	15	0	0	0	9	34	190	171	39	3	1	0	0	0	462
16:00	10	0	0	1	4	69	232	182	28	4	1	0	0	0	531
17:00	12	0	0	0	6	80	274	194	26	2	0	0	0	0	594
18:00	10	0	0	0	6	46	199	154	20	3	0	0	0	0	438
19:00	9	0	0	0	0	32	150	109	18	2	0	0	0	0	320
20:00	2	0	0	0	3	33	100	90	18	2	1	0	0	0	249
21:00	1	0	0	0	2	14	69	55	26	3	1	0	0	0	171
22:00	1	0	0	0	1	9	35	37	6	2	0	0	0	0	91
23:00	1	0	0	0	0	13	27	38	10	4	0	0	0	0	93
Total	123	0	3	6	65	614	2186	1631	357	59	5	1	0	0	5050

Daily
 15th Percentile : 40 MPH
 50th Percentile : 44 MPH
 85th Percentile : 49 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 3817
 Percent in Pace : 75.6%
 Number of Vehicles > 45 MPH : 2053
 Percent of Vehicles > 45 MPH : 40.7%

Grand Total	260	0	7	8	119	1189	4369	3253	745	115	15	2	0	0	10082
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Overall
 15th Percentile : 40 MPH
 50th Percentile : 44 MPH
 85th Percentile : 50 MPH
 95th Percentile : 53 MPH
 Mean Speed(Average) : 44 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7622
 Percent in Pace : 75.6%
 Number of Vehicles > 45 MPH : 4130
 Percent of Vehicles > 45 MPH : 41.0%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/12/09	0	0	0	0	3	11	17	21	7	2	0	1	0	0	62
01:00	0	0	0	0	0	2	9	7	3	1	0	0	0	0	22
02:00	0	0	0	1	1	9	7	4	3	0	0	0	0	0	25
03:00	0	0	0	0	1	1	18	10	2	0	1	0	0	0	33
04:00	0	0	0	0	1	14	25	21	7	0	0	1	0	0	69
05:00	8	0	0	0	0	32	163	78	12	4	0	0	0	0	297
06:00	11	0	0	0	19	139	253	116	12	1	1	0	0	0	552
07:00	21	0	0	1	22	145	402	133	20	4	0	0	0	0	748
08:00	17	0	4	1	12	160	311	124	19	4	0	0	0	0	652
09:00	18	0	0	0	16	137	232	83	14	2	1	0	0	0	503
10:00	7	0	0	0	13	101	235	103	17	3	1	0	0	0	480
11:00	20	0	0	0	18	108	229	102	20	3	0	0	0	0	500
12 PM	22	0	0	0	3	103	256	131	17	2	1	0	0	0	535
13:00	9	0	0	0	6	95	245	127	33	1	0	0	0	0	516
14:00	16	0	0	0	0	101	288	172	43	9	0	0	0	0	629
15:00	30	0	0	1	12	104	297	222	45	8	0	0	0	0	719
16:00	26	0	0	2	8	89	392	245	40	5	1	0	0	0	808
17:00	17	0	0	2	11	133	382	227	44	2	0	0	0	0	818
18:00	26	0	0	0	6	95	342	170	41	5	0	0	0	0	685
19:00	13	0	0	0	8	72	214	136	30	5	2	0	0	0	480
20:00	5	0	0	0	11	86	145	75	15	1	0	0	0	0	338
21:00	2	0	0	0	9	53	113	66	14	2	0	0	0	0	259
22:00	4	0	1	0	13	28	77	52	25	3	0	0	0	0	203
23:00	0	0	0	0	0	20	47	39	18	4	2	0	0	0	130
Total	272	0	5	8	193	1838	4699	2464	501	71	10	2	0	0	10063

Daily
 15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 51 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7163
 Percent in Pace : 71.2%
 Number of Vehicles > 45 MPH : 3048
 Percent of Vehicles > 45 MPH : 30.3%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/13/09	1	0	0	0	0	9	26	22	18	5	0	0	0	0	81
01:00	0	0	0	0	2	5	10	13	5	1	0	0	0	0	36
02:00	0	0	0	0	0	6	7	3	5	1	0	0	0	0	22
03:00	0	0	0	0	1	6	10	12	3	2	0	0	0	0	34
04:00	0	0	0	0	1	11	31	27	7	2	0	0	0	0	79
05:00	4	0	0	1	2	41	157	78	19	4	1	0	0	0	307
06:00	9	0	0	0	8	112	242	119	9	2	1	0	0	0	502
07:00	23	0	0	0	6	136	394	173	25	1	0	0	0	0	758
08:00	18	0	3	1	6	89	309	165	32	2	0	0	0	0	625
09:00	17	0	0	1	32	93	257	96	26	4	0	1	0	0	527
10:00	9	0	0	0	16	102	205	85	19	5	0	0	0	0	441
11:00	9	0	0	0	4	96	246	99	21	0	0	0	0	0	475
12 PM	16	0	0	2	33	120	247	97	11	7	0	0	0	0	533
13:00	16	0	0	2	10	116	241	107	24	3	0	0	0	0	519
14:00	17	0	0	0	10	124	265	146	31	2	1	0	0	0	596
15:00	27	0	0	0	14	75	341	228	50	3	1	0	0	0	739
16:00	28	0	1	3	10	114	334	231	34	4	1	0	0	0	760
17:00	20	0	0	0	10	131	427	245	33	2	0	0	0	0	868
18:00	19	0	0	0	9	97	330	208	29	4	2	0	0	0	698
19:00	19	0	4	0	3	78	251	135	22	4	0	0	0	0	516
20:00	3	0	0	0	12	103	175	99	20	3	1	0	0	0	416
21:00	6	0	0	1	5	57	114	69	29	3	1	0	0	0	285
22:00	2	0	0	0	1	27	78	55	6	3	0	0	0	0	172
23:00	2	0	0	0	3	24	43	48	12	5	0	0	0	0	137
Total	265	0	8	11	198	1772	4740	2560	490	72	9	1	0	0	10126

Daily
 15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 51 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7300
 Percent in Pace : 72.1%
 Number of Vehicles > 45 MPH : 3132
 Percent of Vehicles > 45 MPH : 30.9%

Grand Total	537	0	13	19	391	3610	9439	5024	991	143	19	3	0	0	20189
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Overall
 15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 49 MPH
 95th Percentile : 51 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 14463
 Percent in Pace : 71.6%
 Number of Vehicles > 45 MPH : 6180
 Percent of Vehicles > 45 MPH : 30.6%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/12/09	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
01:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
02:00	0	8	1	1	2	0	0	0	0	0	0	0	0	12	3
03:00	0	8	7	1	2	0	0	0	1	0	0	0	0	19	4
04:00	0	34	19	1	1	0	0	1	0	0	0	0	0	56	3
05:00	1	122	106	7	4	2	1	0	10	1	0	0	0	254	25
06:00	1	321	93	2	15	0	0	1	7	0	0	0	0	440	25
07:00	0	444	122	3	12	0	1	2	2	0	0	0	0	586	20
08:00	1	365	96	2	11	0	1	0	4	0	0	0	0	480	18
09:00	1	217	69	2	13	1	0	1	4	0	0	0	0	308	21
10:00	0	182	60	2	11	4	1	2	2	0	0	0	0	264	22
11:00	2	169	73	2	5	2	2	2	4	0	0	0	0	261	17
12 PM	2	200	40	3	8	1	0	0	4	0	0	0	0	258	16
13:00	2	189	48	1	8	2	1	0	5	0	0	0	0	256	17
14:00	2	207	69	1	3	0	0	1	1	0	0	0	0	284	6
15:00	1	193	71	1	7	0	0	0	1	0	0	0	0	274	9
16:00	1	183	47	0	4	0	0	1	0	0	0	0	0	236	5
17:00	2	195	39	0	3	0	0	0	0	1	0	0	0	240	4
18:00	0	204	47	0	3	0	0	1	0	0	0	0	0	255	4
19:00	3	126	36	0	2	1	0	0	0	0	0	0	0	168	3
20:00	1	94	21	0	1	0	0	0	1	0	0	0	0	118	2
21:00	1	81	15	0	2	0	0	0	0	0	0	0	0	99	2
22:00	0	76	15	0	2	0	0	0	0	0	0	0	0	93	2
23:00	0	33	8	0	0	0	0	0	0	0	0	0	0	41	0
Total	21	3670	1105	29	119	13	7	12	46	2	0	0	0	5024	228
Percent	0.4%	73.0%	22.0%	0.6%	2.4%	0.3%	0.1%	0.2%	0.9%	0.0%	0.0%	0.0%	0.0%		4.5%
AM Peak	11:00	07:00	07:00	05:00	06:00	10:00	11:00	07:00	05:00	05:00				07:00	05:00
Vol.	2	444	122	7	15	4	2	2	10	1				586	25
PM Peak	19:00	14:00	15:00	12:00	12:00	13:00	13:00	14:00	13:00	17:00				14:00	13:00
Vol.	3	207	71	3	8	2	1	1	5	1				284	17

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/13/09	0	26	6	0	0	0	0	0	0	0	0	0	0	32	0
01:00	0	9	2	0	0	0	0	0	1	0	0	0	0	12	1
02:00	0	4	5	1	1	0	0	0	0	0	0	0	0	11	2
03:00	0	10	2	1	0	0	0	0	1	0	0	0	0	14	2
04:00	0	35	21	2	1	1	0	0	0	0	0	0	0	60	4
05:00	2	125	94	5	7	2	1	3	12	0	0	0	0	251	30
06:00	1	295	90	6	12	4	0	5	5	0	0	0	0	418	32
07:00	1	443	121	3	12	2	0	1	5	0	0	0	0	588	23
08:00	2	344	96	3	6	1	1	2	6	0	0	0	0	461	19
09:00	1	213	83	0	12	2	0	1	8	0	0	0	0	320	23
10:00	2	172	50	1	9	0	1	0	9	0	0	0	0	244	20
11:00	3	178	47	3	4	0	0	1	3	0	0	0	0	239	11
12 PM	4	174	53	4	10	0	1	2	6	0	0	0	0	254	23
13:00	3	193	46	2	6	0	0	1	5	0	0	0	0	256	14
14:00	3	188	64	0	9	0	0	2	3	0	0	0	0	269	14
15:00	2	204	58	2	11	0	0	0	0	0	0	0	0	277	13
16:00	3	165	53	0	7	0	0	0	1	0	0	0	0	229	8
17:00	3	207	56	0	7	0	0	0	1	0	0	0	0	274	8
18:00	3	199	54	1	1	1	0	0	0	0	0	0	0	259	3
19:00	5	142	43	0	4	1	0	0	0	0	0	0	0	195	5
20:00	0	140	25	0	0	0	0	0	1	0	0	0	0	166	1
21:00	0	93	18	0	3	0	0	0	0	0	0	0	0	114	3
22:00	1	65	13	0	2	0	0	0	0	0	0	0	0	81	2
23:00	0	38	5	0	1	0	0	0	0	0	0	0	0	44	1
Total	39	3662	1105	34	125	14	4	18	67	0	0	0	0	5068	262
Percent	0.8%	72.3%	21.8%	0.7%	2.5%	0.3%	0.1%	0.4%	1.3%	0.0%	0.0%	0.0%	0.0%		5.2%
AM Peak	11:00	07:00	07:00	06:00	06:00	06:00	05:00	06:00	05:00					07:00	06:00
Vol.	3	443	121	6	12	4	1	5	12					588	32
PM Peak	19:00	17:00	14:00	12:00	15:00	18:00	12:00	12:00	12:00					15:00	12:00
Vol.	5	207	64	4	11	1	1	2	6					277	23
Grand Total	60	7332	2210	63	244	27	11	30	113	2	0	0	0	10092	490
Percent	0.6%	72.7%	21.9%	0.6%	2.4%	0.3%	0.1%	0.3%	1.1%	0.0%	0.0%	0.0%	0.0%		4.9%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/12/09	1	36	9	0	2	0	0	0	0	0	0	0	0	48	2
01:00	0	13	1	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	8	4	0	1	0	0	0	0	0	0	0	0	13	1
03:00	0	9	5	0	0	0	0	0	0	0	0	0	0	14	0
04:00	0	5	5	1	1	0	0	0	1	0	0	0	0	13	3
05:00	0	31	8	0	3	0	0	0	1	0	0	0	0	43	4
06:00	0	79	22	0	4	1	0	0	6	0	0	0	0	112	11
07:00	1	103	40	1	7	1	0	2	5	0	0	0	0	160	16
08:00	0	125	36	1	6	1	0	1	1	0	0	0	0	171	10
09:00	0	111	58	5	15	2	0	0	3	0	0	0	0	194	25
10:00	0	145	44	3	18	2	0	2	2	0	0	0	0	216	27
11:00	0	143	72	1	16	2	0	1	2	0	0	0	0	237	22
12 PM	4	177	72	2	11	3	0	1	6	0	0	0	0	276	23
13:00	1	175	66	1	14	0	0	1	2	0	0	0	0	260	18
14:00	6	238	72	5	20	2	0	2	0	0	0	0	0	345	29
15:00	2	292	121	4	22	1	0	1	0	0	0	0	0	443	28
16:00	4	404	132	3	26	1	0	0	1	0	0	0	0	571	31
17:00	0	433	123	1	15	0	0	4	0	0	0	0	0	576	20
18:00	2	330	85	0	6	2	0	3	0	1	0	0	0	429	12
19:00	1	241	58	0	9	1	1	0	1	0	0	0	0	312	12
20:00	1	168	43	0	8	0	0	0	0	0	0	0	0	220	8
21:00	1	119	37	0	2	0	0	0	0	0	0	0	0	159	2
22:00	0	92	8	0	7	0	0	1	0	0	0	0	0	108	8
23:00	0	67	21	0	1	0	0	0	0	0	0	0	0	89	1
Total	24	3544	1142	28	214	19	1	19	31	1	0	0	0	5023	313
Percent	0.5%	70.6%	22.7%	0.6%	4.3%	0.4%	0.0%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%		6.2%
AM Peak	00:00	10:00	11:00	09:00	10:00	09:00		07:00	06:00					11:00	10:00
Vol.	1	145	72	5	18	2		2	6					237	27
PM Peak	14:00	17:00	16:00	14:00	16:00	12:00	19:00	17:00	12:00	18:00				17:00	16:00
Vol.	6	433	132	5	26	3	1	4	6	1				576	31

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

Community: Abington
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Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/13/09	1	38	8	0	2	0	0	0	0	0	0	0	0	49	2
01:00	0	17	6	0	1	0	0	0	0	0	0	0	0	24	1
02:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
03:00	0	15	3	0	0	0	0	0	2	0	0	0	0	20	2
04:00	1	14	1	1	1	0	0	0	1	0	0	0	0	19	3
05:00	0	41	11	1	2	0	0	0	1	0	0	0	0	56	4
06:00	0	50	19	0	4	0	0	0	10	0	0	0	0	83	14
07:00	1	103	50	1	4	1	0	1	8	0	0	0	0	169	15
08:00	1	111	35	1	7	2	0	1	5	0	0	0	0	163	16
09:00	1	132	47	1	13	4	0	2	6	0	0	0	0	206	26
10:00	2	132	48	3	5	0	0	0	7	0	0	0	0	197	15
11:00	4	155	56	1	10	4	0	0	5	0	0	0	0	235	20
12 PM	4	187	69	2	8	3	0	2	3	0	0	0	0	278	18
13:00	8	177	62	5	8	0	0	0	2	0	0	0	0	262	15
14:00	4	214	90	2	12	1	0	2	0	0	0	0	0	325	17
15:00	4	319	112	4	20	1	0	0	1	0	0	0	0	461	26
16:00	5	378	128	2	12	2	0	0	3	0	0	0	0	530	19
17:00	6	445	121	2	17	0	0	3	0	0	0	0	0	594	22
18:00	1	323	95	2	13	1	0	1	1	0	0	0	0	437	18
19:00	4	245	52	1	14	0	0	2	1	0	0	0	0	319	18
20:00	0	181	52	0	11	0	0	3	1	0	0	0	0	248	15
21:00	2	127	38	0	4	0	0	0	0	0	0	0	0	171	4
22:00	0	71	14	0	6	0	0	0	0	0	0	0	0	91	6
23:00	0	72	19	0	2	0	0	0	0	0	0	0	0	93	2
Total	49	3555	1139	29	176	19	0	17	57	0	0	0	0	5041	298
Percent	1.0%	70.5%	22.6%	0.6%	3.5%	0.4%	0.0%	0.3%	1.1%	0.0%	0.0%	0.0%	0.0%		5.9%
AM Peak	11:00	11:00	11:00	10:00	09:00	09:00		09:00	06:00					11:00	09:00
Vol.	4	155	56	3	13	4		2	10					235	26
PM Peak	13:00	17:00	16:00	13:00	15:00	12:00		17:00	12:00					17:00	15:00
Vol.	8	445	128	5	20	3		3	3					594	26
Grand Total	73	7099	2281	57	390	38	1	36	88	1	0	0	0	10064	611
Percent	0.7%	70.5%	22.7%	0.6%	3.9%	0.4%	0.0%	0.4%	0.9%	0.0%	0.0%	0.0%	0.0%		6.1%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

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
05/12/09	1	48	11	0	2	0	0	0	0	0	0	0	0	62	2
01:00	0	20	2	0	0	0	0	0	0	0	0	0	0	22	0
02:00	0	16	5	1	3	0	0	0	0	0	0	0	0	25	4
03:00	0	17	12	1	2	0	0	0	1	0	0	0	0	33	4
04:00	0	39	24	2	2	0	0	1	1	0	0	0	0	69	6
05:00	1	153	114	7	7	2	1	0	11	1	0	0	0	297	29
06:00	1	400	115	2	19	1	0	1	13	0	0	0	0	552	36
07:00	1	547	162	4	19	1	1	4	7	0	0	0	0	746	36
08:00	1	490	132	3	17	1	1	1	5	0	0	0	0	651	28
09:00	1	328	127	7	28	3	0	1	7	0	0	0	0	502	46
10:00	0	327	104	5	29	6	1	4	4	0	0	0	0	480	49
11:00	2	312	145	3	21	4	2	3	6	0	0	0	0	498	39
12 PM	6	377	112	5	19	4	0	1	10	0	0	0	0	534	39
13:00	3	364	114	2	22	2	1	1	7	0	0	0	0	516	35
14:00	8	445	141	6	23	2	0	3	1	0	0	0	0	629	35
15:00	3	485	192	5	29	1	0	1	1	0	0	0	0	717	37
16:00	5	587	179	3	30	1	0	1	1	0	0	0	0	807	36
17:00	2	628	162	1	18	0	0	4	0	1	0	0	0	816	24
18:00	2	534	132	0	9	2	0	4	0	1	0	0	0	684	16
19:00	4	367	94	0	11	2	1	0	1	0	0	0	0	480	15
20:00	2	262	64	0	9	0	0	0	1	0	0	0	0	338	10
21:00	2	200	52	0	4	0	0	0	0	0	0	0	0	258	4
22:00	0	168	23	0	9	0	0	1	0	0	0	0	0	201	10
23:00	0	100	29	0	1	0	0	0	0	0	0	0	0	130	1
Total	45	7214	2247	57	333	32	8	31	77	3	0	0	0	10047	541
Percent	0.4%	71.8%	22.4%	0.6%	3.3%	0.3%	0.1%	0.3%	0.8%	0.0%	0.0%	0.0%	0.0%		5.4%
AM Peak	11:00	07:00	07:00	05:00	10:00	10:00	11:00	07:00	06:00	05:00				07:00	10:00
Vol.	2	547	162	7	29	6	2	4	13	1				746	49
PM Peak	14:00	17:00	15:00	14:00	16:00	12:00	13:00	17:00	12:00	17:00				17:00	12:00
Vol.	8	628	192	6	30	4	1	4	10	1				816	39

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Adams St (58), at Weymouth T/L

NB, SB															Truck
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
05/13/09	1	64	14	0	2	0	0	0	0	0	0	0	0	81	2
01:00	0	26	8	0	1	0	0	0	1	0	0	0	0	36	2
02:00	0	12	8	1	1	0	0	0	0	0	0	0	0	22	2
03:00	0	25	5	1	0	0	0	0	3	0	0	0	0	34	4
04:00	1	49	22	3	2	1	0	0	1	0	0	0	0	79	7
05:00	2	166	105	6	9	2	1	3	13	0	0	0	0	307	34
06:00	1	345	109	6	16	4	0	5	15	0	0	0	0	501	46
07:00	2	546	171	4	16	3	0	2	13	0	0	0	0	757	38
08:00	3	455	131	4	13	3	1	3	11	0	0	0	0	624	35
09:00	2	345	130	1	25	6	0	3	14	0	0	0	0	526	49
10:00	4	304	98	4	14	0	1	0	16	0	0	0	0	441	35
11:00	7	333	103	4	14	4	0	1	8	0	0	0	0	474	31
12 PM	8	361	122	6	18	3	1	4	9	0	0	0	0	532	41
13:00	11	370	108	7	14	0	0	1	7	0	0	0	0	518	29
14:00	7	402	154	2	21	1	0	4	3	0	0	0	0	594	31
15:00	6	523	170	6	31	1	0	0	1	0	0	0	0	738	39
16:00	8	543	181	2	19	2	0	0	4	0	0	0	0	759	27
17:00	9	652	177	2	24	0	0	3	1	0	0	0	0	868	30
18:00	4	522	149	3	14	2	0	1	1	0	0	0	0	696	21
19:00	9	387	95	1	18	1	0	2	1	0	0	0	0	514	23
20:00	0	321	77	0	11	0	0	3	2	0	0	0	0	414	16
21:00	2	220	56	0	7	0	0	0	0	0	0	0	0	285	7
22:00	1	136	27	0	8	0	0	0	0	0	0	0	0	172	8
23:00	0	110	24	0	3	0	0	0	0	0	0	0	0	137	3
Total	88	7217	2244	63	301	33	4	35	124	0	0	0	0	10109	560
Percent	0.9%	71.4%	22.2%	0.6%	3.0%	0.3%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%		5.5%
AM Peak	11:00	07:00	07:00	05:00	09:00	09:00	05:00	06:00	10:00					07:00	09:00
Vol.	7	546	171	6	25	6	1	5	16					757	49
PM Peak	13:00	17:00	16:00	13:00	15:00	12:00	12:00	12:00	12:00					17:00	12:00
Vol.	11	652	181	7	31	3	1	4	9					868	41
Grand Total	133	14431	4491	120	634	65	12	66	201	3	0	0	0	20156	1101
Percent	0.7%	71.6%	22.3%	0.6%	3.1%	0.3%	0.1%	0.3%	1.0%	0.0%	0.0%	0.0%	0.0%		5.5%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

Start Time	11-May-09		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	*	*	23	46	34	61	*	*	*	*	*	*	*	*	28	54
01:00	*	*	15	27	22	34	*	*	*	*	*	*	*	*	18	30
02:00	*	*	17	14	17	16	*	*	*	*	*	*	*	*	17	15
03:00	*	*	20	22	19	23	*	*	*	*	*	*	*	*	20	22
04:00	*	*	69	21	72	28	*	*	*	*	*	*	*	*	70	24
05:00	*	*	275	49	283	63	*	*	*	*	*	*	*	*	279	56
06:00	*	*	565	125	533	109	*	*	*	*	*	*	*	*	549	117
07:00	*	*	725	276	732	280	*	*	*	*	*	*	*	*	728	278
08:00	*	*	577	262	572	262	*	*	*	*	*	*	*	*	574	262
09:00	*	*	370	220	427	275	*	*	*	*	*	*	*	*	398	248
10:00	*	*	302	251	307	252	*	*	*	*	*	*	*	*	304	252
11:00	*	*	330	291	334	298	*	*	*	*	*	*	*	*	332	294
12:00 PM	*	*	323	332	320	323	*	*	*	*	*	*	*	*	322	328
01:00	*	*	316	330	327	342	*	*	*	*	*	*	*	*	322	336
02:00	*	*	359	451	398	442	*	*	*	*	*	*	*	*	378	446
03:00	*	*	372	570	325	554	*	*	*	*	*	*	*	*	348	562
04:00	*	*	370	605	333	574	*	*	*	*	*	*	*	*	352	590
05:00	*	*	375	704	361	636	*	*	*	*	*	*	*	*	368	670
06:00	*	*	385	540	359	498	*	*	*	*	*	*	*	*	372	519
07:00	*	*	289	362	277	399	*	*	*	*	*	*	*	*	283	380
08:00	*	*	200	275	249	287	*	*	*	*	*	*	*	*	224	281
09:00	*	*	136	199	148	194	*	*	*	*	*	*	*	*	142	196
10:00	*	*	117	123	104	117	*	*	*	*	*	*	*	*	110	120
11:00	*	*	65	84	49	90	*	*	*	*	*	*	*	*	57	87
Total	0	0	6595	6179	6602	6157	0	0	0	0	0	0	0	0	6595	6167
Day	0	0	12774		12759		0	0	0	0	0	0	0	0	12762	
AM Peak			07:00	11:00	07:00	11:00									07:00	11:00
Vol.			725	291	732	298									728	294
PM Peak			18:00	17:00	14:00	17:00									14:00	17:00
Vol.			385	704	398	636									378	670
Comb. Total	0		12774		12759		0	0	0	0	0	0	0		12762	

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

Start Time	11-May-09 Mon	12-May-09 Tue	13-May-09 Wed	14-May-09 Thu	15-May-09 Fri	16-May-09 Sat	17-May-09 Sun	Week Average
12:00 AM	*	69	95	*	*	*	*	82
01:00	*	42	56	*	*	*	*	49
02:00	*	31	33	*	*	*	*	32
03:00	*	42	42	*	*	*	*	42
04:00	*	90	100	*	*	*	*	95
05:00	*	324	346	*	*	*	*	335
06:00	*	690	642	*	*	*	*	666
07:00	*	1001	1012	*	*	*	*	1006
08:00	*	839	834	*	*	*	*	836
09:00	*	590	702	*	*	*	*	646
10:00	*	553	559	*	*	*	*	556
11:00	*	621	632	*	*	*	*	626
12:00 PM	*	655	643	*	*	*	*	649
01:00	*	646	669	*	*	*	*	658
02:00	*	810	840	*	*	*	*	825
03:00	*	942	879	*	*	*	*	910
04:00	*	975	907	*	*	*	*	941
05:00	*	1079	997	*	*	*	*	1038
06:00	*	925	857	*	*	*	*	891
07:00	*	651	676	*	*	*	*	664
08:00	*	475	536	*	*	*	*	506
09:00	*	335	342	*	*	*	*	338
10:00	*	240	221	*	*	*	*	230
11:00	*	149	139	*	*	*	*	144
Total	0	12774	12759	0	0	0	0	12765
Percentage	0.0%	100.1%	100.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00					07:00
Vol.		1001	1012					1006
PM Peak		17:00	17:00					17:00
Vol.		1079	997					1038

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/12/09	0	0	0	0	3	5	11	1	3	0	0	0	0	0	23
01:00	0	0	0	1	3	3	3	2	2	0	0	0	0	1	15
02:00	0	0	0	0	3	5	6	3	0	0	0	0	0	0	17
03:00	1	0	0	0	0	6	10	2	1	0	0	0	0	0	20
04:00	0	0	0	0	6	18	34	8	2	1	0	0	0	0	69
05:00	2	0	3	2	22	111	108	25	2	0	0	0	0	0	275
06:00	10	0	1	1	50	285	195	22	1	0	0	0	0	0	565
07:00	15	1	2	11	108	392	182	13	1	0	0	0	0	0	725
08:00	28	1	0	6	123	299	111	7	2	0	0	0	0	0	577
09:00	10	10	4	11	86	165	77	6	1	0	0	0	0	0	370
10:00	12	1	1	3	50	151	75	9	0	0	0	0	0	0	302
11:00	11	1	0	1	60	162	85	9	1	0	0	0	0	0	330
12 PM	18	0	1	1	51	165	80	7	0	0	0	0	0	0	323
13:00	7	1	1	10	39	161	85	12	0	0	0	0	0	0	316
14:00	16	2	1	4	63	178	76	15	4	0	0	0	0	0	359
15:00	22	1	4	6	46	185	92	14	1	1	0	0	0	0	372
16:00	19	1	4	15	22	161	120	22	6	0	0	0	0	0	370
17:00	33	0	0	9	46	170	101	14	2	0	0	0	0	0	375
18:00	24	0	0	5	50	177	106	20	3	0	0	0	0	0	385
19:00	14	1	0	6	44	159	54	11	0	0	0	0	0	0	289
20:00	4	0	0	7	29	110	41	8	0	0	0	1	0	0	200
21:00	4	0	0	3	15	63	39	11	1	0	0	0	0	0	136
22:00	1	0	0	0	8	41	50	15	2	0	0	0	0	0	117
23:00	1	0	0	0	3	28	21	9	2	0	1	0	0	0	65
Total	252	20	22	102	930	3200	1762	265	37	2	1	1	0	1	6595

Daily
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4962
 Percent in Pace : 75.2%
 Number of Vehicles > 35 MPH : 5269
 Percent of Vehicles > 35 MPH : 79.9%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

NB

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
05/13/09	1	0	0	0	0	0	1	11	17	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
01:00	0	0	0	0	1	2	8	9	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	
02:00	0	0	0	0	1	0	6	4	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	
03:00	1	0	0	0	0	0	3	7	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
04:00	0	1	0	0	0	4	21	24	18	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72	
05:00	1	1	1	1	2	27	104	113	31	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	283	
06:00	9	1	0	0	55	244	196	27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	533	
07:00	22	2	1	1	110	395	177	22	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	732	
08:00	24	2	2	6	56	259	191	30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	572	
09:00	6	0	0	5	40	220	145	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	427	
10:00	11	1	0	3	42	150	87	10	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	307	
11:00	7	2	0	1	57	166	86	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334	
12 PM	19	0	0	2	48	152	90	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	320	
13:00	10	0	0	7	51	153	94	10	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	327	
14:00	15	1	0	2	66	204	92	15	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	398	
15:00	14	1	2	6	42	148	97	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	325	
16:00	18	1	0	2	29	137	116	26	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	333	
17:00	26	1	0	0	21	153	135	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	361	
18:00	18	1	0	0	29	168	124	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	359	
19:00	10	0	0	3	36	130	87	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	277	
20:00	6	1	1	1	33	146	53	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	249	
21:00	3	0	2	0	15	67	48	12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148	
22:00	3	0	0	1	8	37	45	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	104	
23:00	0	0	0	1	1	13	21	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
Total	224	16	9	45	773	3095	2058	334	43	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6602	

Daily
 15th Percentile : 35 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5153
 Percent in Pace : 78.1%
 Number of Vehicles > 35 MPH : 5535
 Percent of Vehicles > 35 MPH : 83.8%

Grand Total	476	36	31	147	1703	6295	3820	599	80	6	2	1	0	1	13197
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Overall
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10115
 Percent in Pace : 76.6%
 Number of Vehicles > 35 MPH : 10804
 Percent of Vehicles > 35 MPH : 81.9%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/12/09	0	0	0	3	15	19	8	1	0	0	0	0	0	0	46
01:00	0	0	0	0	7	10	7	3	0	0	0	0	0	0	27
02:00	0	0	0	0	3	6	3	1	1	0	0	0	0	0	14
03:00	1	1	0	0	6	9	5	0	0	0	0	0	0	0	22
04:00	1	0	1	0	6	5	5	2	1	0	0	0	0	0	21
05:00	1	0	0	2	12	26	6	1	1	0	0	0	0	0	49
06:00	13	0	0	2	29	51	26	2	1	1	0	0	0	0	125
07:00	14	1	0	17	90	122	31	1	0	0	0	0	0	0	276
08:00	32	2	2	5	91	105	24	1	0	0	0	0	0	0	262
09:00	13	0	0	9	66	109	21	1	1	0	0	0	0	0	220
10:00	12	1	0	5	86	121	23	3	0	0	0	0	0	0	251
11:00	13	2	0	3	91	140	38	4	0	0	0	0	0	0	291
12 PM	13	1	0	2	110	158	43	5	0	0	0	0	0	0	332
13:00	6	0	0	5	91	176	48	4	0	0	0	0	0	0	330
14:00	24	1	1	31	188	184	20	2	0	0	0	0	0	0	451
15:00	33	1	4	25	183	266	54	4	0	0	0	0	0	0	570
16:00	26	0	2	23	217	276	58	3	0	0	0	0	0	0	605
17:00	37	12	22	49	255	292	35	2	0	0	0	0	0	0	704
18:00	26	0	5	6	149	292	61	0	0	0	0	1	0	0	540
19:00	23	3	2	6	95	202	28	3	0	0	0	0	0	0	362
20:00	3	1	2	16	98	121	33	1	0	0	0	0	0	0	275
21:00	9	0	0	3	46	106	30	5	0	0	0	0	0	0	199
22:00	2	0	0	2	25	71	18	4	1	0	0	0	0	0	123
23:00	1	0	0	2	22	48	10	1	0	0	0	0	0	0	84
Total	303	26	41	216	1981	2915	635	54	6	1	0	1	0	0	6179

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

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 4896
 Percent in Pace : 79.2%
 Number of Vehicles > 35 MPH : 3612
 Percent of Vehicles > 35 MPH : 58.5%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/13/09	1	1	0	3	15	24	16	1	0	0	0	0	0	0	61
01:00	0	0	1	0	4	14	15	0	0	0	0	0	0	0	34
02:00	0	0	0	0	3	6	4	3	0	0	0	0	0	0	16
03:00	0	1	0	0	5	6	10	1	0	0	0	0	0	0	23
04:00	0	1	0	0	5	12	5	3	2	0	0	0	0	0	28
05:00	3	0	0	1	12	26	18	3	0	0	0	0	0	0	63
06:00	5	0	0	2	21	49	28	4	0	0	0	0	0	0	109
07:00	28	0	1	8	73	110	55	4	1	0	0	0	0	0	280
08:00	14	0	0	7	77	130	32	2	0	0	0	0	0	0	262
09:00	9	1	1	14	77	128	42	3	0	0	0	0	0	0	275
10:00	8	3	2	4	54	143	35	3	0	0	0	0	0	0	252
11:00	14	3	3	6	87	140	43	2	0	0	0	0	0	0	298
12 PM	15	0	0	5	108	156	39	0	0	0	0	0	0	0	323
13:00	14	0	2	14	105	160	45	2	0	0	0	0	0	0	342
14:00	16	0	2	17	152	201	53	1	0	0	0	0	0	0	442
15:00	25	0	0	20	156	305	46	2	0	0	0	0	0	0	554
16:00	16	0	3	8	165	295	83	4	0	0	0	0	0	0	574
17:00	30	0	2	26	209	305	62	2	0	0	0	0	0	0	636
18:00	7	0	5	6	105	309	65	1	0	0	0	0	0	0	498
19:00	12	2	2	12	126	196	43	5	1	0	0	0	0	0	399
20:00	15	2	2	3	82	157	23	2	1	0	0	0	0	0	287
21:00	3	0	0	5	44	107	32	3	0	0	0	0	0	0	194
22:00	1	0	0	0	32	67	16	1	0	0	0	0	0	0	117
23:00	0	0	0	1	25	38	26	0	0	0	0	0	0	0	90
Total	236	14	26	162	1742	3084	836	52	5	0	0	0	0	0	6157

Daily
 15th Percentile : 32 MPH
 50th Percentile : 37 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 4826
 Percent in Pace : 78.4%
 Number of Vehicles > 35 MPH : 3977
 Percent of Vehicles > 35 MPH : 64.6%

Grand Total	539	40	67	378	3723	5999	1471	106	11	1	0	1	0	0	12336
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 37 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 9722
 Percent in Pace : 78.8%
 Number of Vehicles > 35 MPH : 7589
 Percent of Vehicles > 35 MPH : 61.5%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/12/09	0	0	0	3	18	24	19	2	3	0	0	0	0	0	69
01:00	0	0	0	1	10	13	10	5	2	0	0	0	0	1	42
02:00	0	0	0	0	6	11	9	4	1	0	0	0	0	0	31
03:00	2	1	0	0	6	15	15	2	1	0	0	0	0	0	42
04:00	1	0	1	0	12	23	39	10	3	1	0	0	0	0	90
05:00	3	0	3	4	34	137	114	26	3	0	0	0	0	0	324
06:00	23	0	1	3	79	336	221	24	2	1	0	0	0	0	690
07:00	29	2	2	28	198	514	213	14	1	0	0	0	0	0	1001
08:00	60	3	2	11	214	404	135	8	2	0	0	0	0	0	839
09:00	23	10	4	20	152	274	98	7	2	0	0	0	0	0	590
10:00	24	2	1	8	136	272	98	12	0	0	0	0	0	0	553
11:00	24	3	0	4	151	302	123	13	1	0	0	0	0	0	621
12 PM	31	1	1	3	161	323	123	12	0	0	0	0	0	0	655
13:00	13	1	1	15	130	337	133	16	0	0	0	0	0	0	646
14:00	40	3	2	35	251	362	96	17	4	0	0	0	0	0	810
15:00	55	2	8	31	229	451	146	18	1	1	0	0	0	0	942
16:00	45	1	6	38	239	437	178	25	6	0	0	0	0	0	975
17:00	70	12	22	58	301	462	136	16	2	0	0	0	0	0	1079
18:00	50	0	5	11	199	469	167	20	3	0	0	1	0	0	925
19:00	37	4	2	12	139	361	82	14	0	0	0	0	0	0	651
20:00	7	1	2	23	127	231	74	9	0	0	0	1	0	0	475
21:00	13	0	0	6	61	169	69	16	1	0	0	0	0	0	335
22:00	3	0	0	2	33	112	68	19	3	0	0	0	0	0	240
23:00	2	0	0	2	25	76	31	10	2	0	1	0	0	0	149
Total	555	46	63	318	2911	6115	2397	319	43	3	1	2	0	1	12774

Daily
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 9026
 Percent in Pace : 70.7%
 Number of Vehicles > 35 MPH : 8881
 Percent of Vehicles > 35 MPH : 69.5%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
05/13/09	2	1	0	3	16	35	33	5	0	0	0	0	0	0	95
01:00	0	0	1	1	6	22	24	1	0	0	1	0	0	0	56
02:00	0	0	0	1	3	12	8	8	1	0	0	0	0	0	33
03:00	1	1	0	0	5	9	17	7	1	1	0	0	0	0	42
04:00	0	2	0	0	9	33	29	21	6	0	0	0	0	0	100
05:00	4	1	1	3	39	130	131	34	2	1	0	0	0	0	346
06:00	14	1	0	2	76	293	224	31	1	0	0	0	0	0	642
07:00	50	2	2	9	183	505	232	26	3	0	0	0	0	0	1012
08:00	38	2	2	13	133	389	223	32	1	1	0	0	0	0	834
09:00	15	1	1	19	117	348	187	13	1	0	0	0	0	0	702
10:00	19	4	2	7	96	293	122	13	3	0	0	0	0	0	559
11:00	21	5	3	7	144	306	129	16	1	0	0	0	0	0	632
12 PM	34	0	0	7	156	308	129	8	1	0	0	0	0	0	643
13:00	24	0	2	21	156	313	139	12	2	0	0	0	0	0	669
14:00	31	1	2	19	218	405	145	16	3	0	0	0	0	0	840
15:00	39	1	2	26	198	453	143	14	3	0	0	0	0	0	879
16:00	34	1	3	10	194	432	199	30	4	0	0	0	0	0	907
17:00	56	1	2	26	230	458	197	26	1	0	0	0	0	0	997
18:00	25	1	5	6	134	477	189	17	3	0	0	0	0	0	857
19:00	22	2	2	15	162	326	130	14	3	0	0	0	0	0	676
20:00	21	3	3	4	115	303	76	7	4	0	0	0	0	0	536
21:00	6	0	2	5	59	174	80	15	0	1	0	0	0	0	342
22:00	4	0	0	1	40	104	61	9	2	0	0	0	0	0	221
23:00	0	0	0	2	26	51	47	11	2	0	0	0	0	0	139
Total	460	30	35	207	2515	6179	2894	386	48	4	1	0	0	0	12759

Daily
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9073
 Percent in Pace : 71.1%
 Number of Vehicles > 35 MPH : 9512
 Percent of Vehicles > 35 MPH : 74.6%

Grand Total	1015	76	98	525	5426	12294	5291	705	91	7	2	2	0	1	25533
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 17720
 Percent in Pace : 69.4%
 Number of Vehicles > 35 MPH : 18393
 Percent of Vehicles > 35 MPH : 72.0%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/12/09	0	14	8	0	1	0	0	0	0	0	0	0	0	23	1
01:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15	0
02:00	0	8	4	1	4	0	0	0	0	0	0	0	0	17	5
03:00	0	10	5	1	3	0	0	0	1	0	0	0	0	20	5
04:00	0	37	20	1	10	0	0	1	0	0	0	0	0	69	12
05:00	0	127	95	6	34	2	1	0	10	0	0	0	0	275	53
06:00	2	383	130	2	37	1	0	1	9	0	0	0	0	565	50
07:00	1	520	162	5	33	2	1	0	1	0	0	0	0	725	42
08:00	0	416	125	2	23	1	1	3	5	0	0	0	0	576	35
09:00	0	250	88	2	22	3	0	1	3	0	0	0	0	369	31
10:00	3	182	89	1	23	0	1	1	2	0	0	0	0	302	28
11:00	5	213	84	1	17	0	2	1	6	0	0	0	0	329	27
12 PM	2	234	66	3	12	3	0	1	2	0	0	0	0	323	21
13:00	4	226	65	1	13	1	1	0	4	0	0	0	0	315	20
14:00	3	246	89	2	15	2	0	1	1	0	0	0	0	359	21
15:00	2	253	96	1	16	2	0	2	0	0	0	0	0	372	21
16:00	3	268	80	0	16	2	0	1	0	0	0	0	0	370	19
17:00	1	271	87	0	15	0	0	0	0	0	0	0	0	374	15
18:00	0	273	94	0	11	3	0	4	0	0	0	0	0	385	18
19:00	2	202	71	0	13	1	0	0	0	0	0	0	0	289	14
20:00	3	153	37	0	6	0	0	0	0	0	0	0	0	199	6
21:00	2	96	32	0	5	1	0	0	0	0	0	0	0	136	6
22:00	0	78	34	0	5	0	0	0	0	0	0	0	0	117	5
23:00	0	49	15	0	1	0	0	0	0	0	0	0	0	65	1
Total	33	4521	1579	29	335	24	7	17	44	0	0	0	0	6589	456
Percent	0.5%	68.6%	24.0%	0.4%	5.1%	0.4%	0.1%	0.3%	0.7%	0.0%	0.0%	0.0%	0.0%		6.9%
AM Peak	11:00	07:00	07:00	05:00	06:00	09:00	11:00	08:00	05:00					07:00	05:00
Vol.	5	520	162	6	37	3	2	3	10					725	53
PM Peak	13:00	18:00	15:00	12:00	15:00	12:00	13:00	18:00	13:00					18:00	12:00
Vol.	4	273	96	3	16	3	1	4	4					385	21

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

Community: Abington
Com #_U/RFC: 01_U5
Recorder #: Jamar #15
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 01
Date Start: 12-May-09
Date End: 13-May-09
Plymouth St(58), south of North Ave(139)

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
05/13/09	0	24	7	0	3	0	0	0	0	0	0	0	0	34	3
01:00	0	14	7	0	0	0	0	0	1	0	0	0	0	22	1
02:00	0	9	5	1	2	0	0	0	0	0	0	0	0	17	3
03:00	0	11	3	2	2	0	0	0	1	0	0	0	0	19	5
04:00	0	39	22	1	10	0	0	0	0	0	0	0	0	72	11
05:00	1	141	86	3	36	2	1	2	11	0	0	0	0	283	55
06:00	4	329	138	7	41	3	0	5	6	0	0	0	0	533	62
07:00	2	529	154	3	36	4	0	1	3	0	0	0	0	732	47
08:00	2	402	128	3	25	2	1	2	7	0	0	0	0	572	40
09:00	1	264	128	0	20	3	0	2	8	0	0	0	0	426	33
10:00	1	210	66	0	21	1	1	2	4	0	0	0	0	306	29
11:00	3	217	92	2	12	0	0	1	6	0	0	0	0	333	21
12 PM	4	207	78	2	21	2	1	2	3	0	0	0	0	320	31
13:00	4	228	73	3	12	0	0	2	5	0	0	0	0	327	22
14:00	1	265	100	1	24	2	0	3	2	0	0	0	0	398	32
15:00	1	223	80	2	18	0	0	1	0	0	0	0	0	325	21
16:00	3	222	86	2	17	2	0	1	0	0	0	0	0	333	22
17:00	1	241	92	0	19	2	0	5	0	0	0	0	0	360	26
18:00	3	261	80	1	14	0	0	0	0	0	0	0	0	359	15
19:00	0	199	67	0	10	0	0	0	0	0	0	0	0	276	10
20:00	2	177	65	0	3	1	0	1	0	0	0	0	0	249	5
21:00	0	106	34	0	7	1	0	0	0	0	0	0	0	148	8
22:00	0	76	22	0	6	0	0	0	0	0	0	0	0	104	6
23:00	0	37	11	0	1	0	0	0	0	0	0	0	0	49	1
Total	33	4431	1624	33	360	25	4	30	57	0	0	0	0	6597	509
Percent	0.5%	67.2%	24.6%	0.5%	5.5%	0.4%	0.1%	0.5%	0.9%	0.0%	0.0%	0.0%	0.0%		7.7%
AM Peak	06:00	07:00	07:00	06:00	06:00	07:00	05:00	06:00	05:00					07:00	06:00
Vol.	4	529	154	7	41	4	1	5	11					732	62
PM Peak	12:00	14:00	14:00	13:00	14:00	12:00	12:00	17:00	13:00					14:00	14:00
Vol.	4	265	100	3	24	2	1	5	5					398	32
Grand Total	66	8952	3203	62	695	49	11	47	101	0	0	0	0	13186	965
Percent	0.5%	67.9%	24.3%	0.5%	5.3%	0.4%	0.1%	0.4%	0.8%	0.0%	0.0%	0.0%	0.0%		7.3%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/12/09	0	36	8	0	2	0	0	0	0	0	0	0	0	46	2
01:00	0	23	3	0	1	0	0	0	0	0	0	0	0	27	1
02:00	0	12	1	0	1	0	0	0	0	0	0	0	0	14	1
03:00	0	15	7	0	0	0	0	0	0	0	0	0	0	22	0
04:00	0	13	5	1	1	0	0	0	1	0	0	0	0	21	3
05:00	0	39	7	0	2	0	0	0	1	0	0	0	0	49	3
06:00	0	91	25	0	4	1	0	0	3	1	0	0	0	125	9
07:00	2	203	53	2	11	1	0	0	4	0	0	0	0	276	18
08:00	0	208	39	0	7	2	0	3	2	0	0	0	0	261	14
09:00	0	152	48	1	14	1	0	0	4	0	0	0	0	220	20
10:00	3	189	40	4	11	0	0	1	3	0	0	0	0	251	19
11:00	0	213	62	2	5	5	0	2	2	0	0	0	0	291	16
12 PM	4	249	60	2	7	3	0	1	5	1	0	0	0	332	19
13:00	0	269	47	0	11	0	0	0	2	0	0	0	0	329	13
14:00	0	347	84	2	12	3	0	2	0	0	0	1	0	451	20
15:00	3	445	103	2	16	0	0	0	0	0	0	0	0	569	18
16:00	1	472	116	1	11	1	0	2	0	0	0	0	0	604	15
17:00	1	580	103	1	14	3	0	2	0	0	0	0	0	704	20
18:00	2	447	74	0	13	2	0	0	0	1	0	0	0	539	16
19:00	4	302	47	0	5	1	1	1	0	0	0	0	0	361	8
20:00	0	239	32	0	4	0	0	0	0	0	0	0	0	275	4
21:00	2	163	32	0	2	0	0	0	0	0	0	0	0	199	2
22:00	0	104	17	0	1	0	0	0	0	0	0	0	0	122	1
23:00	0	71	12	0	1	0	0	0	0	0	0	0	0	84	1
Total	22	4882	1025	18	156	23	1	14	27	3	0	1	0	6172	243
Percent	0.4%	79.1%	16.6%	0.3%	2.5%	0.4%	0.0%	0.2%	0.4%	0.0%	0.0%	0.0%	0.0%		3.9%
AM Peak	10:00	11:00	11:00	10:00	09:00	11:00		08:00	07:00	06:00				11:00	09:00
Vol.	3	213	62	4	14	5		3	4	1				291	20
PM Peak	12:00	17:00	16:00	12:00	15:00	12:00	19:00	14:00	12:00	12:00		14:00		17:00	14:00
Vol.	4	580	116	2	16	3	1	2	5	1		1		704	20

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
05/13/09	0	55	5	0	1	0	0	0	0	0	0	0	0	61	1
01:00	0	26	7	0	1	0	0	0	0	0	0	0	0	34	1
02:00	0	12	4	0	0	0	0	0	0	0	0	0	0	16	0
03:00	0	16	5	0	0	0	0	0	2	0	0	0	0	23	2
04:00	1	20	5	1	0	0	0	0	1	0	0	0	0	28	2
05:00	0	46	12	1	2	1	0	0	1	0	0	0	0	63	5
06:00	2	73	20	0	3	3	0	0	8	0	0	0	0	109	14
07:00	3	216	48	1	6	1	0	1	4	0	0	0	0	280	13
08:00	1	198	51	0	5	1	0	1	5	0	0	0	0	262	12
09:00	1	205	53	0	9	1	0	0	6	0	0	0	0	275	16
10:00	0	184	53	0	7	1	0	0	6	0	0	0	0	251	14
11:00	5	205	67	0	13	2	0	0	6	0	0	0	0	298	21
12 PM	2	250	50	1	12	4	0	0	4	0	0	0	0	323	21
13:00	2	274	52	0	10	1	0	1	2	0	0	0	0	342	14
14:00	4	337	87	3	7	0	0	4	0	0	0	0	0	442	14
15:00	3	430	101	4	13	0	0	2	1	0	0	0	0	554	20
16:00	1	441	107	0	17	3	0	3	2	0	0	0	0	574	25
17:00	5	510	98	1	16	2	0	3	0	0	0	0	0	635	22
18:00	4	410	70	0	11	0	0	1	1	0	0	0	0	497	13
19:00	2	321	69	1	3	1	0	0	1	0	0	0	0	398	6
20:00	4	237	38	0	2	1	0	3	1	0	0	0	0	286	7
21:00	0	164	24	0	4	1	0	0	0	0	0	0	0	193	5
22:00	1	96	19	0	1	0	0	0	0	0	0	0	0	117	1
23:00	0	79	9	0	2	0	0	0	0	0	0	0	0	90	2
Total	41	4805	1054	13	145	23	0	19	51	0	0	0	0	6151	251
Percent	0.7%	78.1%	17.1%	0.2%	2.4%	0.4%	0.0%	0.3%	0.8%	0.0%	0.0%	0.0%	0.0%		4.1%
AM Peak	11:00	07:00	11:00	04:00	11:00	06:00		07:00	06:00					11:00	11:00
Vol.	5	216	67	1	13	3		1	8					298	21
PM Peak	17:00	17:00	16:00	15:00	16:00	12:00		14:00	12:00					17:00	16:00
Vol.	5	510	107	4	17	4		4	4					635	25
Grand Total	63	9687	2079	31	301	46	1	33	78	3	0	1	0	12323	494
Percent	0.5%	78.6%	16.9%	0.3%	2.4%	0.4%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%		4.0%

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
	05/12/09	0	50	16	0	3	0	0	0	0	0	0	0	0	69	3
	01:00	0	35	6	0	1	0	0	0	0	0	0	0	0	42	1
	02:00	0	20	5	1	5	0	0	0	0	0	0	0	0	31	6
	03:00	0	25	12	1	3	0	0	0	1	0	0	0	0	42	5
	04:00	0	50	25	2	11	0	0	1	1	0	0	0	0	90	15
	05:00	0	166	102	6	36	2	1	0	11	0	0	0	0	324	56
	06:00	2	474	155	2	41	2	0	1	12	1	0	0	0	690	59
	07:00	3	723	215	7	44	3	1	0	5	0	0	0	0	1001	60
	08:00	0	624	164	2	30	3	1	6	7	0	0	0	0	837	49
	09:00	0	402	136	3	36	4	0	1	7	0	0	0	0	589	51
	10:00	6	371	129	5	34	0	1	2	5	0	0	0	0	553	47
	11:00	5	426	146	3	22	5	2	3	8	0	0	0	0	620	43
	12 PM	6	483	126	5	19	6	0	2	7	1	0	0	0	655	40
	13:00	4	495	112	1	24	1	1	0	6	0	0	0	0	644	33
	14:00	3	593	173	4	27	5	0	3	1	0	0	1	0	810	41
	15:00	5	698	199	3	32	2	0	2	0	0	0	0	0	941	39
	16:00	4	740	196	1	27	3	0	3	0	0	0	0	0	974	34
	17:00	2	851	190	1	29	3	0	2	0	0	0	0	0	1078	35
	18:00	2	720	168	0	24	5	0	4	0	1	0	0	0	924	34
	19:00	6	504	118	0	18	2	1	1	0	0	0	0	0	650	22
	20:00	3	392	69	0	10	0	0	0	0	0	0	0	0	474	10
	21:00	4	259	64	0	7	1	0	0	0	0	0	0	0	335	8
	22:00	0	182	51	0	6	0	0	0	0	0	0	0	0	239	6
	23:00	0	120	27	0	2	0	0	0	0	0	0	0	0	149	2
	Total	55	9403	2604	47	491	47	8	31	71	3	0	1	0	12761	699
	Percent	0.4%	73.7%	20.4%	0.4%	3.8%	0.4%	0.1%	0.2%	0.6%	0.0%	0.0%	0.0%	0.0%		5.5%
	AM Peak	10:00	07:00	07:00	07:00	07:00	11:00	11:00	08:00	06:00	06:00				07:00	07:00
	Vol.	6	723	215	7	44	5	2	6	12	1				1001	60
	PM Peak	12:00	17:00	15:00	12:00	15:00	12:00	13:00	18:00	12:00	12:00		14:00		17:00	14:00
	Vol.	6	851	199	5	32	6	1	4	7	1		1		1078	41

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

Community: Abington
 Com #_U/RFC: 01_U5
 Recorder #: Jamar #15
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 01
 Date Start: 12-May-09
 Date End: 13-May-09
 Plymouth St(58), south of North Ave(139)

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
	05/13/09	0	79	12	0	4	0	0	0	0	0	0	0	0	95	4
	01:00	0	40	14	0	1	0	0	0	1	0	0	0	0	56	2
	02:00	0	21	9	1	2	0	0	0	0	0	0	0	0	33	3
	03:00	0	27	8	2	2	0	0	0	3	0	0	0	0	42	7
	04:00	1	59	27	2	10	0	0	0	1	0	0	0	0	100	13
	05:00	1	187	98	4	38	3	1	2	12	0	0	0	0	346	60
	06:00	6	402	158	7	44	6	0	5	14	0	0	0	0	642	76
	07:00	5	745	202	4	42	5	0	2	7	0	0	0	0	1012	60
	08:00	3	600	179	3	30	3	1	3	12	0	0	0	0	834	52
	09:00	2	469	181	0	29	4	0	2	14	0	0	0	0	701	49
	10:00	1	394	119	0	28	2	1	2	10	0	0	0	0	557	43
	11:00	8	422	159	2	25	2	0	1	12	0	0	0	0	631	42
	12 PM	6	457	128	3	33	6	1	2	7	0	0	0	0	643	52
	13:00	6	502	125	3	22	1	0	3	7	0	0	0	0	669	36
	14:00	5	602	187	4	31	2	0	7	2	0	0	0	0	840	46
	15:00	4	653	181	6	31	0	0	3	1	0	0	0	0	879	41
	16:00	4	663	193	2	34	5	0	4	2	0	0	0	0	907	47
	17:00	6	751	190	1	35	4	0	8	0	0	0	0	0	995	48
	18:00	7	671	150	1	25	0	0	1	1	0	0	0	0	856	28
	19:00	2	520	136	1	13	1	0	0	1	0	0	0	0	674	16
	20:00	6	414	103	0	5	2	0	4	1	0	0	0	0	535	12
	21:00	0	270	58	0	11	2	0	0	0	0	0	0	0	341	13
	22:00	1	172	41	0	7	0	0	0	0	0	0	0	0	221	7
	23:00	0	116	20	0	3	0	0	0	0	0	0	0	0	139	3
	Total	74	9236	2678	46	505	48	4	49	108	0	0	0	0	12748	760
	Percent	0.6%	72.5%	21.0%	0.4%	4.0%	0.4%	0.0%	0.4%	0.8%	0.0%	0.0%	0.0%	0.0%		6.0%
	AM Peak	11:00	07:00	07:00	06:00	06:00	06:00	05:00	06:00	06:00					07:00	06:00
	Vol.	8	745	202	7	44	6	1	5	14					1012	76
	PM Peak	18:00	17:00	16:00	15:00	17:00	12:00	12:00	17:00	12:00					17:00	12:00
	Vol.	7	751	193	6	35	6	1	8	7					995	52
	Grand Total	129	18639	5282	93	996	95	12	80	179	3	0	1	0	25509	1459
	Percent	0.5%	73.1%	20.7%	0.4%	3.9%	0.4%	0.0%	0.3%	0.7%	0.0%	0.0%	0.0%	0.0%		5.7%

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	28-Aug-06 Mon	29-Aug-06 Tue	30-Aug-06 Wed	31-Aug-06 Thu	01-Sep-06 Fri	02-Sep-06 Sat	03-Sep-06 Sun	Week Average
12:00 AM	*	*	18	9	*	*	*	14
01:00	*	*	7	5	*	*	*	6
02:00	*	*	5	2	*	*	*	4
03:00	*	*	4	3	*	*	*	4
04:00	*	*	9	9	*	*	*	9
05:00	*	*	45	48	*	*	*	46
06:00	*	*	117	124	*	*	*	120
07:00	*	*	142	147	*	*	*	144
08:00	*	*	149	141	*	*	*	145
09:00	*	*	100	94	*	*	*	97
10:00	*	*	83	106	*	*	*	94
11:00	*	*	90	111	*	*	*	100
12:00 PM	*	*	119	121	*	*	*	120
01:00	*	*	108	117	*	*	*	112
02:00	*	*	144	149	*	*	*	146
03:00	*	*	175	177	*	*	*	176
04:00	*	*	208	190	*	*	*	199
05:00	*	*	194	219	*	*	*	206
06:00	*	*	144	142	*	*	*	143
07:00	*	*	92	104	*	*	*	98
08:00	*	*	73	75	*	*	*	74
09:00	*	*	48	60	*	*	*	54
10:00	*	*	49	43	*	*	*	46
11:00	*	*	21	22	*	*	*	22
Total	0	0	2144	2218	0	0	0	2179
Percentage	0.0%	0.0%	98.4%	101.8%	0.0%	0.0%	0.0%	
AM Peak			08:00	07:00				08:00
Vol.			149	147				145
PM Peak			16:00	17:00				17:00
Vol.			208	219				206

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	15	16	20	21	25	26	30	31	35	36	40	41	45	46	50	51	55	56	60	61	65	66	70	71	75	76	999	Total
08/31/06	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	2	6	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
06:00	2	1	0	4	21	23	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	
07:00	1	2	1	5	29	21	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	
08:00	1	0	1	7	27	16	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	
09:00	0	0	1	11	18	13	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	
10:00	0	0	0	14	16	22	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	
11:00	3	0	4	6	17	20	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	
12 PM	3	0	1	10	29	16	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	
13:00	5	2	3	4	27	19	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	
14:00	0	1	1	7	28	36	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	
15:00	1	0	1	11	48	40	7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	109	
16:00	3	3	2	27	43	27	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115	
17:00	2	1	2	22	63	45	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	
18:00	1	0	0	10	40	21	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	
19:00	0	0	3	14	23	14	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58	
20:00	1	0	1	7	17	6	5	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	39	
21:00	0	0	2	7	22	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	
22:00	0	0	0	4	12	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	
23:00	0	0	0	1	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Total	23	10	23	176	494	362	89	6	5	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1190	
Grand Total	37	22	55	349	991	695	187	17	5	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2360	

15th Percentile : 29 MPH
 50th Percentile : 34 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

Stats
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1686
 Percent in Pace : 71.4%
 Number of Vehicles > 30 MPH : 1897
 Percent of Vehicles > 30 MPH : 80.4%

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/30/06	0	0	1	0	4	2	0	0	0	0	0	0	0	0	7
01:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
02:00	0	1	0	1	0	1	0	0	0	0	0	0	0	0	3
03:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
04:00	0	0	0	0	2	3	1	1	0	0	0	0	0	0	7
05:00	0	0	1	2	7	13	3	4	0	0	0	0	0	0	30
06:00	0	0	1	6	24	31	4	0	1	0	0	0	0	0	67
07:00	3	0	0	5	23	31	11	1	0	0	0	0	0	0	74
08:00	0	1	2	5	34	29	7	1	0	0	0	0	0	0	79
09:00	0	0	4	7	13	22	2	0	0	0	0	0	0	0	48
10:00	0	0	1	9	19	9	5	1	0	0	0	0	0	0	44
11:00	5	0	1	16	9	12	5	3	0	0	0	0	0	0	51
12 PM	2	0	1	7	24	15	4	1	0	0	0	0	0	0	54
13:00	0	1	1	6	21	15	3	2	0	0	0	0	0	0	49
14:00	0	1	1	7	25	21	6	0	0	0	0	0	0	0	61
15:00	0	2	0	8	19	20	7	1	0	0	0	0	0	0	57
16:00	4	1	3	11	35	23	4	1	0	0	0	0	0	0	82
17:00	3	0	1	6	35	28	7	0	0	0	0	0	0	0	80
18:00	1	2	1	12	28	24	4	0	0	0	0	0	0	0	72
19:00	0	1	1	3	21	11	1	0	0	0	0	0	0	0	38
20:00	0	1	1	4	17	6	1	0	0	0	0	0	0	0	30
21:00	0	0	2	1	5	3	0	2	0	0	0	0	0	0	13
22:00	0	0	1	5	7	4	0	0	0	0	0	0	0	0	17
23:00	0	0	0	0	1	4	0	0	1	0	0	0	0	0	6
Total	18	11	24	122	374	329	76	18	2	0	0	0	0	0	974

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/31/06	0	0	1	1	1	1	1	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
04:00	0	0	0	1	0	2	3	0	0	0	0	0	0	0	6
05:00	0	0	1	0	11	15	7	1	0	0	0	0	0	0	35
06:00	3	0	0	4	21	27	10	3	0	0	0	0	0	0	68
07:00	0	0	0	7	28	32	9	5	0	0	0	0	0	0	81
08:00	1	0	0	5	21	47	8	2	0	0	0	0	0	0	84
09:00	1	0	0	5	16	17	9	0	0	0	0	0	0	0	48
10:00	0	0	1	7	22	13	5	1	2	0	0	0	0	0	51
11:00	1	2	2	0	22	20	2	1	0	0	0	0	0	0	50
12 PM	5	2	4	7	19	16	5	1	0	0	0	0	0	0	59
13:00	1	2	1	5	23	15	4	0	0	0	0	0	0	0	51
14:00	0	0	1	12	28	23	6	0	0	0	0	0	0	0	70
15:00	0	1	3	7	36	13	6	2	0	0	0	0	0	0	68
16:00	1	1	2	16	32	21	2	0	0	0	0	0	0	0	75
17:00	1	2	0	19	30	17	9	0	0	0	0	0	0	0	78
18:00	0	0	1	12	18	24	7	1	0	0	0	0	0	0	63
19:00	0	2	2	16	16	10	0	0	0	0	0	0	0	0	46
20:00	1	0	1	8	16	7	3	0	0	0	0	0	0	0	36
21:00	0	2	0	4	13	3	0	0	0	0	0	0	0	0	22
22:00	1	0	1	1	8	2	0	1	1	0	0	0	0	0	15
23:00	0	0	1	0	4	5	1	0	0	0	0	0	0	0	11
Total	16	14	22	137	385	335	98	18	3	0	0	0	0	0	1028
Grand Total	34	25	46	259	759	664	174	36	5	0	0	0	0	0	2002

15th Percentile : 29 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

Stats
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1423
 Percent in Pace : 71.1%
 Number of Vehicles > 30 MPH : 1638
 Percent of Vehicles > 30 MPH : 81.8%

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/30/06	0	0	2	1	8	6	1	0	0	0	0	0	0	0	18
01:00	0	0	0	2	3	1	1	0	0	0	0	0	0	0	7
02:00	0	1	0	2	0	1	0	1	0	0	0	0	0	0	5
03:00	0	0	0	0	1	2	1	0	0	0	0	0	0	0	4
04:00	0	0	0	0	4	3	1	1	0	0	0	0	0	0	9
05:00	0	0	2	3	17	14	5	4	0	0	0	0	0	0	45
06:00	1	1	1	9	47	46	11	0	1	0	0	0	0	0	117
07:00	7	2	1	9	49	56	16	2	0	0	0	0	0	0	142
08:00	0	2	4	14	66	50	11	2	0	0	0	0	0	0	149
09:00	0	0	5	21	32	38	4	0	0	0	0	0	0	0	100
10:00	0	1	2	15	41	17	6	1	0	0	0	0	0	0	83
11:00	6	1	3	25	24	22	6	3	0	0	0	0	0	0	90
12 PM	2	0	5	24	43	36	8	1	0	0	0	0	0	0	119
13:00	1	1	1	16	42	35	9	3	0	0	0	0	0	0	108
14:00	1	2	2	17	58	46	18	0	0	0	0	0	0	0	144
15:00	1	4	3	24	80	42	18	3	0	0	0	0	0	0	175
16:00	6	1	8	22	103	53	14	1	0	0	0	0	0	0	208
17:00	3	0	3	15	85	72	15	1	0	0	0	0	0	0	194
18:00	2	4	1	22	60	43	10	2	0	0	0	0	0	0	144
19:00	2	2	3	17	30	31	7	0	0	0	0	0	0	0	92
20:00	0	1	5	12	30	17	7	1	0	0	0	0	0	0	73
21:00	0	0	4	11	18	10	3	2	0	0	0	0	0	0	48
22:00	0	0	1	10	23	13	1	1	0	0	0	0	0	0	49
23:00	0	0	0	4	7	8	1	0	1	0	0	0	0	0	21
Total	32	23	56	295	871	662	174	29	2	0	0	0	0	0	2144

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06
 Spruce St, at the Rockland T/L

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
08/31/06	0	0	1	1	2	3	2	0	0	0	0	0	0	0	9
01:00	0	0	0	2	1	2	0	0	0	0	0	0	0	0	5
02:00	0	0	0	0	0	1	0	0	1	0	0	0	0	0	2
03:00	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
04:00	0	0	0	2	1	3	3	0	0	0	0	0	0	0	9
05:00	0	0	1	2	17	18	8	2	0	0	0	0	0	0	48
06:00	5	1	0	8	42	50	15	3	0	0	0	0	0	0	124
07:00	1	2	1	12	57	53	14	6	1	0	0	0	0	0	147
08:00	2	0	1	12	48	63	13	2	0	0	0	0	0	0	141
09:00	1	0	1	16	34	30	12	0	0	0	0	0	0	0	94
10:00	0	0	1	21	38	35	8	1	2	0	0	0	0	0	106
11:00	4	2	6	6	39	40	13	1	0	0	0	0	0	0	111
12 PM	8	2	5	17	48	32	8	1	0	0	0	0	0	0	121
13:00	6	4	4	9	50	34	10	0	0	0	0	0	0	0	117
14:00	0	1	2	19	56	59	11	1	0	0	0	0	0	0	149
15:00	1	1	4	18	84	53	13	2	1	0	0	0	0	0	177
16:00	4	4	4	43	75	48	9	3	0	0	0	0	0	0	190
17:00	3	3	2	41	93	62	15	0	0	0	0	0	0	0	219
18:00	1	0	1	22	58	45	14	1	0	0	0	0	0	0	142
19:00	0	2	5	30	39	24	3	0	1	0	0	0	0	0	104
20:00	2	0	2	15	33	13	8	0	1	0	1	0	0	0	75
21:00	0	2	2	11	35	8	2	0	0	0	0	0	0	0	60
22:00	1	0	1	5	20	12	1	1	1	0	0	1	0	0	43
23:00	0	0	1	1	9	7	4	0	0	0	0	0	0	0	22
Total	39	24	45	313	879	697	187	24	8	0	1	1	0	0	2218
Grand Total	71	47	101	608	1750	1359	361	53	10	0	1	1	0	0	4362

15th Percentile : 29 MPH
 50th Percentile : 34 MPH
 85th Percentile : 40 MPH
 95th Percentile : 43 MPH

Stats
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3109
 Percent in Pace : 71.3%
 Number of Vehicles > 30 MPH : 3535
 Percent of Vehicles > 30 MPH : 81.0%

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Spruce St, at the Rockland T/L

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
08/30/06	0	7	4	0	0	0	0	0	0	0	0	0	0	11
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	10	5	0	0	0	0	0	0	0	0	0	0	15
06:00	0	32	16	0	2	0	0	0	0	0	0	0	0	50
07:00	0	46	19	0	3	0	0	0	0	0	0	0	0	68
08:00	0	46	17	0	7	0	0	0	0	0	0	0	0	70
09:00	0	34	16	0	2	0	0	0	0	0	0	0	0	52
10:00	0	29	9	0	0	1	0	0	0	0	0	0	0	39
11:00	0	24	14	0	1	0	0	0	0	0	0	0	0	39
12 PM	0	50	11	0	4	0	0	0	0	0	0	0	0	65
13:00	1	45	9	1	3	0	0	0	0	0	0	0	0	59
14:00	0	53	26	0	3	1	0	0	0	0	0	0	0	83
15:00	0	85	29	0	3	0	0	1	0	0	0	0	0	118
16:00	1	94	24	1	4	0	0	1	0	0	0	0	0	125
17:00	0	90	21	0	2	1	0	0	0	0	0	0	0	114
18:00	1	50	17	1	2	1	0	0	0	0	0	0	0	72
19:00	1	42	9	0	1	0	0	0	0	0	0	0	0	53
20:00	2	33	8	0	0	0	0	0	0	0	0	0	0	43
21:00	1	33	1	0	0	0	0	0	0	0	0	0	0	35
22:00	0	28	4	0	0	0	0	0	0	0	0	0	0	32
23:00	0	13	1	0	1	0	0	0	0	0	0	0	0	15
Total	7	853	261	3	38	4	0	2	0	0	0	0	0	1168
Percent	0.6%	73.0%	22.3%	0.3%	3.3%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		07:00	07:00		08:00	10:00								08:00
Vol.		46	19		7	1								70
PM Peak	20:00	16:00	15:00	13:00	12:00	14:00		15:00						16:00
Vol.	2	94	29	1	4	1		1						125

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Spruce St, at the Rockland T/L

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
08/31/06	0	3	1	0	0	0	0	0	0	0	0	0	0	4
01:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3
05:00	0	8	4	0	1	0	0	0	0	0	0	0	0	13
06:00	0	33	22	0	0	1	0	0	0	0	0	0	0	56
07:00	2	43	17	0	3	1	0	0	0	0	0	0	0	66
08:00	0	41	15	0	1	0	0	0	0	0	0	0	0	57
09:00	0	29	13	0	2	0	0	2	0	0	0	0	0	46
10:00	1	37	13	0	4	0	0	0	0	0	0	0	0	55
11:00	1	40	16	0	4	0	0	0	0	0	0	0	0	61
12 PM	0	42	17	0	1	1	0	0	0	0	0	0	0	61
13:00	0	40	22	0	3	1	0	0	0	0	0	0	0	66
14:00	1	53	21	0	3	1	0	0	0	0	0	0	0	79
15:00	1	79	26	0	3	0	0	0	0	0	0	0	0	109
16:00	3	81	27	0	4	0	0	0	0	0	0	0	0	115
17:00	3	107	24	0	6	0	0	0	0	0	0	0	0	140
18:00	0	55	21	1	1	0	0	1	0	0	0	0	0	79
19:00	1	43	13	1	0	0	0	0	0	0	0	0	0	58
20:00	0	30	9	0	0	0	0	0	0	0	0	0	0	39
21:00	0	28	9	0	1	0	0	0	0	0	0	0	0	38
22:00	0	23	4	0	1	0	0	0	0	0	0	0	0	28
23:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11
Total	13	828	299	2	38	5	0	3	0	0	0	0	0	1188
Percent	1.1%	69.7%	25.2%	0.2%	3.2%	0.4%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	07:00	06:00		10:00	06:00		09:00						07:00
Vol.	2	43	22		4	1		2						66
PM Peak	16:00	17:00	16:00	18:00	17:00	12:00		18:00						17:00
Vol.	3	107	27	1	6	1		1						140
Grand Total	20	1681	560	5	76	9	0	5	0	0	0	0	0	2356
Percent	0.8%	71.3%	23.8%	0.2%	3.2%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Spruce St, at the Rockland T/L

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
08/31/06	1	2	2	0	0	0	0	0	0	0	0	0	0	5
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
04:00	0	2	4	0	0	0	0	0	0	0	0	0	0	6
05:00	0	18	16	0	1	0	0	0	0	0	0	0	0	35
06:00	2	48	15	0	2	0	0	1	0	0	0	0	0	68
07:00	1	57	20	0	3	0	0	0	0	0	0	0	0	81
08:00	0	63	18	0	3	0	0	0	0	0	0	0	0	84
09:00	0	37	8	0	2	1	0	0	0	0	0	0	0	48
10:00	2	38	8	0	3	0	0	0	0	0	0	0	0	51
11:00	0	39	6	1	2	1	1	0	0	0	0	0	0	50
12 PM	3	34	15	0	4	2	0	0	0	0	0	0	0	58
13:00	1	35	12	0	3	0	0	0	0	0	0	0	0	51
14:00	0	51	15	0	3	1	0	0	0	0	0	0	0	70
15:00	1	50	15	1	1	0	0	0	0	0	0	0	0	68
16:00	1	50	21	1	2	0	0	0	0	0	0	0	0	75
17:00	0	50	24	0	4	0	0	0	0	0	0	0	0	78
18:00	1	48	13	0	1	0	0	0	0	0	0	0	0	63
19:00	1	33	12	0	0	0	0	0	0	0	0	0	0	46
20:00	0	27	9	0	0	0	0	0	0	0	0	0	0	36
21:00	0	17	5	0	0	0	0	0	0	0	0	0	0	22
22:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15
23:00	0	8	2	1	0	0	0	0	0	0	0	0	0	11
Total	14	724	244	4	34	5	1	1	0	0	0	0	0	1027
Percent	1.4%	70.5%	23.8%	0.4%	3.3%	0.5%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	06:00	08:00	07:00	11:00	07:00	09:00	11:00	06:00						08:00
Vol.	2	63	20	1	3	1	1	1						84
PM Peak	12:00	14:00	17:00	15:00	12:00	12:00								17:00
Vol.	3	51	24	1	4	2								78
Grand Total	23	1411	485	6	66	7	1	1	0	0	0	0	0	2000
Percent	1.2%	70.6%	24.3%	0.3%	3.3%	0.4%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Spruce St, at the Rockland T/L

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
08/30/06	0	13	5	0	0	0	0	0	0	0	0	0	0	18
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5
03:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4
04:00	0	5	4	0	0	0	0	0	0	0	0	0	0	9
05:00	0	29	15	0	1	0	0	0	0	0	0	0	0	45
06:00	0	76	36	0	5	0	0	0	0	0	0	0	0	117
07:00	0	98	37	0	7	0	0	0	0	0	0	0	0	142
08:00	0	103	37	1	8	0	0	0	0	0	0	0	0	149
09:00	0	71	26	0	3	0	0	0	0	0	0	0	0	100
10:00	0	61	18	0	3	1	0	0	0	0	0	0	0	83
11:00	0	63	25	0	2	0	0	0	0	0	0	0	0	90
12 PM	0	88	22	0	8	0	0	0	0	0	0	0	0	118
13:00	4	81	18	1	4	0	0	0	0	0	0	0	0	108
14:00	0	96	43	0	4	1	0	0	0	0	0	0	0	144
15:00	0	120	47	0	6	1	0	1	0	0	0	0	0	175
16:00	2	142	52	2	7	1	0	1	0	0	0	0	0	207
17:00	1	147	39	0	6	1	0	0	0	0	0	0	0	194
18:00	4	103	32	1	3	1	0	0	0	0	0	0	0	144
19:00	1	74	15	0	1	0	0	0	0	0	0	0	0	91
20:00	2	56	14	0	1	0	0	0	0	0	0	0	0	73
21:00	2	42	4	0	0	0	0	0	0	0	0	0	0	48
22:00	0	43	6	0	0	0	0	0	0	0	0	0	0	49
23:00	0	17	3	0	1	0	0	0	0	0	0	0	0	21
Total	16	1540	502	5	70	6	0	2	0	0	0	0	0	2141
Percent	0.7%	71.9%	23.4%	0.2%	3.3%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	07:00	08:00	08:00	10:00								08:00
Vol.		103	37	1	8	1								149
PM Peak	13:00	17:00	16:00	16:00	12:00	14:00		15:00						16:00
Vol.	4	147	52	2	8	1		1						207

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

Community: Abington
 Community#_FC: 01_U6
 Recorder #: Jamar #11
 Tube Layout: L6 Basic
 WB, EB

Station ID:
 Site Code: 01
 Date Start: 30-Aug-06
 Date End: 31-Aug-06

Spruce St, at the Rockland T/L

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
08/31/06	1	5	3	0	0	0	0	0	0	0	0	0	0	9
01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3
04:00	0	4	5	0	0	0	0	0	0	0	0	0	0	9
05:00	0	26	20	0	2	0	0	0	0	0	0	0	0	48
06:00	2	81	37	0	2	1	0	1	0	0	0	0	0	124
07:00	3	100	37	0	6	1	0	0	0	0	0	0	0	147
08:00	0	104	33	0	4	0	0	0	0	0	0	0	0	141
09:00	0	66	21	0	4	1	0	2	0	0	0	0	0	94
10:00	3	75	21	0	7	0	0	0	0	0	0	0	0	106
11:00	1	79	22	1	6	1	1	0	0	0	0	0	0	111
12 PM	3	76	32	0	5	3	0	0	0	0	0	0	0	119
13:00	1	75	34	0	6	1	0	0	0	0	0	0	0	117
14:00	1	104	36	0	6	2	0	0	0	0	0	0	0	149
15:00	2	129	41	1	4	0	0	0	0	0	0	0	0	177
16:00	4	131	48	1	6	0	0	0	0	0	0	0	0	190
17:00	3	157	48	0	10	0	0	0	0	0	0	0	0	218
18:00	1	103	34	1	2	0	0	1	0	0	0	0	0	142
19:00	2	76	25	1	0	0	0	0	0	0	0	0	0	104
20:00	0	57	18	0	0	0	0	0	0	0	0	0	0	75
21:00	0	45	14	0	1	0	0	0	0	0	0	0	0	60
22:00	0	36	6	0	1	0	0	0	0	0	0	0	0	43
23:00	0	17	4	1	0	0	0	0	0	0	0	0	0	22
Total	27	1552	543	6	72	10	1	4	0	0	0	0	0	2215
Percent	1.2%	70.1%	24.5%	0.3%	3.3%	0.5%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	07:00	08:00	06:00	11:00	10:00	06:00	11:00	09:00						07:00
Vol.	3	104	37	1	7	1	1	2						147
PM Peak	16:00	17:00	16:00	15:00	17:00	12:00		18:00						17:00
Vol.	4	157	48	1	10	3		1						218
Grand Total	43	3092	1045	11	142	16	1	6	0	0	0	0	0	4356
Percent	1.0%	71.0%	24.0%	0.3%	3.3%	0.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

Start Time	15-Jun-09		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	*	*	24	8	19	9	*	*	*	*	*	*	*	*	22	8
01:00	*	*	5	5	16	8	*	*	*	*	*	*	*	*	10	6
02:00	*	*	8	4	5	4	*	*	*	*	*	*	*	*	6	4
03:00	*	*	5	8	3	8	*	*	*	*	*	*	*	*	4	8
04:00	*	*	7	15	3	16	*	*	*	*	*	*	*	*	5	16
05:00	*	*	8	59	4	53	*	*	*	*	*	*	*	*	6	56
06:00	*	*	37	106	37	101	*	*	*	*	*	*	*	*	37	104
07:00	*	*	70	174	63	150	*	*	*	*	*	*	*	*	66	162
08:00	*	*	85	174	74	173	*	*	*	*	*	*	*	*	80	174
09:00	*	*	87	164	103	164	*	*	*	*	*	*	*	*	95	164
10:00	*	*	116	147	118	132	*	*	*	*	*	*	*	*	117	140
11:00	*	*	126	127	128	121	*	*	*	*	*	*	*	*	127	124
12:00 PM	*	*	160	140	151	142	*	*	*	*	*	*	*	*	156	141
01:00	*	*	145	161	136	124	*	*	*	*	*	*	*	*	140	142
02:00	176	142	157	120	*	*	*	*	*	*	*	*	*	*	166	131
03:00	182	150	205	130	*	*	*	*	*	*	*	*	*	*	194	140
04:00	210	129	239	133	*	*	*	*	*	*	*	*	*	*	224	131
05:00	234	128	240	122	*	*	*	*	*	*	*	*	*	*	237	125
06:00	194	133	165	102	*	*	*	*	*	*	*	*	*	*	180	118
07:00	149	87	134	100	*	*	*	*	*	*	*	*	*	*	142	94
08:00	117	67	125	92	*	*	*	*	*	*	*	*	*	*	121	80
09:00	82	48	87	47	*	*	*	*	*	*	*	*	*	*	84	48
10:00	60	31	71	30	*	*	*	*	*	*	*	*	*	*	66	30
11:00	33	5	36	18	*	*	*	*	*	*	*	*	*	*	34	12
Total	1437	920	2342	2186	860	1205	0	0	0	0	0	0	0	0	2319	2158
Day	2357		4528		2065		0	0	0	0	0	0	0	0	4477	
AM Peak			11:00	07:00	11:00	08:00									11:00	08:00
Vol.			126	174	128	173									127	174
PM Peak	17:00	15:00	17:00	13:00	12:00	12:00									17:00	13:00
Vol.	234	150	240	161	151	142									237	142

Comb. Total 2357 4528 2065 0 0 0 0 4477

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

Start Time	15-Jun-09 Mon	16-Jun-09 Tue	17-Jun-09 Wed	18-Jun-09 Thu	19-Jun-09 Fri	20-Jun-09 Sat	21-Jun-09 Sun	Week Average
12:00 AM	*	32	28	*	*	*	*	30
01:00	*	10	24	*	*	*	*	17
02:00	*	12	9	*	*	*	*	10
03:00	*	13	11	*	*	*	*	12
04:00	*	22	19	*	*	*	*	20
05:00	*	67	57	*	*	*	*	62
06:00	*	143	138	*	*	*	*	140
07:00	*	244	213	*	*	*	*	228
08:00	*	259	247	*	*	*	*	253
09:00	*	251	267	*	*	*	*	259
10:00	*	263	250	*	*	*	*	256
11:00	*	253	249	*	*	*	*	251
12:00 PM	*	300	293	*	*	*	*	296
01:00	*	306	260	*	*	*	*	283
02:00	318	277	*	*	*	*	*	298
03:00	332	335	*	*	*	*	*	334
04:00	339	372	*	*	*	*	*	356
05:00	362	362	*	*	*	*	*	362
06:00	327	267	*	*	*	*	*	297
07:00	236	234	*	*	*	*	*	235
08:00	184	217	*	*	*	*	*	200
09:00	130	134	*	*	*	*	*	132
10:00	91	101	*	*	*	*	*	96
11:00	38	54	*	*	*	*	*	46
Total	2357	4528	2065	0	0	0	0	4473
Percentage	17.6%	101.2%	46.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak		10:00	09:00					09:00
Vol.		263	267					259
PM Peak	17:00	16:00	12:00					17:00
Vol.	362	372	293					362

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/15/09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	3	1	3	20	90	51	8	0	0	0	0	0	0	0	176
15:00	0	0	5	16	82	65	14	0	0	0	0	0	0	0	182
16:00	2	0	0	10	69	110	17	1	1	0	0	0	0	0	210
17:00	2	0	2	17	95	106	9	1	2	0	0	0	0	0	234
18:00	3	1	7	15	84	71	13	0	0	0	0	0	0	0	194
19:00	0	0	1	8	57	74	8	1	0	0	0	0	0	0	149
20:00	2	0	0	13	50	44	7	1	0	0	0	0	0	0	117
21:00	0	0	0	8	48	19	7	0	0	0	0	0	0	0	82
22:00	0	0	0	6	28	20	6	0	0	0	0	0	0	0	60
23:00	0	0	0	2	12	11	8	0	0	0	0	0	0	0	33
Total	12	2	18	115	615	571	97	4	3	0	0	0	0	0	1437

Daily
 15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 42 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1186
 Percent in Pace : 82.5%
 Number of Vehicles > 30 MPH : 1290
 Percent of Vehicles > 30 MPH : 89.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/16/09	0	0	1	0	8	7	5	1	1	0	1	0	0	0	24
01:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5
02:00	0	0	1	0	2	5	0	0	0	0	0	0	0	0	8
03:00	0	0	0	0	2	2	1	0	0	0	0	0	0	0	5
04:00	0	0	0	1	5	1	0	0	0	0	0	0	0	0	7
05:00	0	0	0	1	1	3	2	0	1	0	0	0	0	0	8
06:00	0	0	0	1	16	16	4	0	0	0	0	0	0	0	37
07:00	1	0	0	5	37	22	4	1	0	0	0	0	0	0	70
08:00	2	1	0	10	34	34	4	0	0	0	0	0	0	0	85
09:00	2	0	0	10	41	31	3	0	0	0	0	0	0	0	87
10:00	3	0	0	22	58	29	4	0	0	0	0	0	0	0	116
11:00	3	2	0	17	55	44	5	0	0	0	0	0	0	0	126
12 PM	2	0	0	13	58	80	7	0	0	0	0	0	0	0	160
13:00	4	0	0	10	78	44	9	0	0	0	0	0	0	0	145
14:00	2	0	0	11	68	69	7	0	0	0	0	0	0	0	157
15:00	1	0	2	11	91	91	6	3	0	0	0	0	0	0	205
16:00	4	0	1	23	108	92	11	0	0	0	0	0	0	0	239
17:00	4	0	2	6	91	114	21	2	0	0	0	0	0	0	240
18:00	0	0	0	15	64	77	9	0	0	0	0	0	0	0	165
19:00	2	0	0	7	64	53	8	0	0	0	0	0	0	0	134
20:00	0	0	0	18	54	45	8	0	0	0	0	0	0	0	125
21:00	1	1	2	11	34	34	4	0	0	0	0	0	0	0	87
22:00	0	0	1	4	33	29	4	0	0	0	0	0	0	0	71
23:00	0	0	0	4	11	14	5	0	2	0	0	0	0	0	36
Total	31	4	10	200	1015	938	132	7	4	0	1	0	0	0	2342

Daily
 15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 39 MPH
 95th Percentile : 41 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1953
 Percent in Pace : 83.4%
 Number of Vehicles > 30 MPH : 2097
 Percent of Vehicles > 30 MPH : 89.5%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/17/09	0	0	0	3	9	6	1	0	0	0	0	0	0	0	19
01:00	0	0	0	1	2	9	3	1	0	0	0	0	0	0	16
02:00	0	0	1	0	2	2	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
04:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4
06:00	0	0	0	2	10	16	9	0	0	0	0	0	0	0	37
07:00	0	0	0	7	26	25	5	0	0	0	0	0	0	0	63
08:00	2	0	1	10	27	30	4	0	0	0	0	0	0	0	74
09:00	2	0	0	14	51	33	3	0	0	0	0	0	0	0	103
10:00	1	0	0	14	60	39	3	1	0	0	0	0	0	0	118
11:00	0	0	0	11	51	62	4	0	0	0	0	0	0	0	128
12 PM	1	0	0	9	84	49	7	1	0	0	0	0	0	0	151
13:00	4	0	0	8	61	58	5	0	0	0	0	0	0	0	136
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	10	0	2	79	387	334	45	3	0	0	0	0	0	0	860

Daily
 15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 39 MPH
 95th Percentile : 41 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 721
 Percent in Pace : 83.8%
 Number of Vehicles > 30 MPH : 769
 Percent of Vehicles > 30 MPH : 89.4%

Grand Total	53	6	30	394	2017	1843	274	14	7	0	1	0	0	0	4639
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Overall
 15th Percentile : 31 MPH
 50th Percentile : 35 MPH
 85th Percentile : 39 MPH
 95th Percentile : 42 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 3860
 Percent in Pace : 83.2%
 Number of Vehicles > 30 MPH : 4156
 Percent of Vehicles > 30 MPH : 89.6%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/15/09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	3	2	1	1	13	43	45	29	4	0	0	1	0	0	142
15:00	5	0	0	0	10	31	73	25	4	2	0	0	0	0	150
16:00	3	0	0	1	6	19	71	22	7	0	0	0	0	0	129
17:00	2	0	1	5	3	29	41	41	5	1	0	0	0	0	128
18:00	3	0	0	3	7	25	54	38	3	0	0	0	0	0	133
19:00	1	0	0	1	3	23	29	25	4	1	0	0	0	0	87
20:00	1	0	0	1	8	15	27	9	6	0	0	0	0	0	67
21:00	0	0	0	1	5	9	21	7	5	0	0	0	0	0	48
22:00	0	0	0	0	3	2	17	9	0	0	0	0	0	0	31
23:00	0	0	0	0	0	1	2	2	0	0	0	0	0	0	5
Total	18	2	2	13	58	197	380	207	38	4	0	1	0	0	920

Daily
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 587
 Percent in Pace : 63.8%
 Number of Vehicles > 30 MPH : 885
 Percent of Vehicles > 30 MPH : 96.2%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/16/09	0	0	0	0	0	3	2	3	0	0	0	0	0	0	8
01:00	2	0	0	0	0	0	0	2	1	0	0	0	0	0	5
02:00	0	0	0	0	0	1	1	2	0	0	0	0	0	0	4
03:00	0	1	0	0	1	3	2	0	1	0	0	0	0	0	8
04:00	0	0	0	0	0	3	5	4	3	0	0	0	0	0	15
05:00	0	0	0	0	2	6	28	17	3	2	1	0	0	0	59
06:00	0	0	0	0	2	16	52	27	9	0	0	0	0	0	106
07:00	1	0	0	6	13	40	73	38	0	3	0	0	0	0	174
08:00	3	0	1	7	13	43	66	35	6	0	0	0	0	0	174
09:00	3	0	0	7	8	53	73	18	2	0	0	0	0	0	164
10:00	4	0	0	0	7	47	64	21	4	0	0	0	0	0	147
11:00	2	0	0	0	14	32	54	15	8	2	0	0	0	0	127
12 PM	4	1	0	0	7	40	58	27	3	0	0	0	0	0	140
13:00	6	0	0	2	9	38	59	39	8	0	0	0	0	0	161
14:00	2	0	0	0	7	27	51	26	5	2	0	0	0	0	120
15:00	0	0	0	1	6	29	60	30	4	0	0	0	0	0	130
16:00	3	0	0	2	11	46	52	18	1	0	0	0	0	0	133
17:00	7	0	0	0	8	29	52	20	5	0	1	0	0	0	122
18:00	0	0	0	2	3	32	38	23	3	1	0	0	0	0	102
19:00	4	0	1	1	5	17	45	20	7	0	0	0	0	0	100
20:00	0	0	0	1	4	30	40	15	2	0	0	0	0	0	92
21:00	1	0	0	0	4	9	18	12	3	0	0	0	0	0	47
22:00	0	0	0	0	2	4	16	7	1	0	0	0	0	0	30
23:00	0	0	0	1	0	7	3	7	0	0	0	0	0	0	18
Total	42	2	2	30	126	555	912	426	79	10	2	0	0	0	2186

Daily
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1467
 Percent in Pace : 67.1%
 Number of Vehicles > 30 MPH : 2110
 Percent of Vehicles > 30 MPH : 96.5%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/17/09	0	0	0	0	0	3	3	2	1	0	0	0	0	0	9
01:00	0	0	0	0	0	5	2	1	0	0	0	0	0	0	8
02:00	0	0	0	0	0	1	2	1	0	0	0	0	0	0	4
03:00	0	0	0	0	0	1	2	2	2	1	0	0	0	0	8
04:00	0	0	0	0	0	3	5	6	0	2	0	0	0	0	16
05:00	0	0	0	0	0	6	24	17	4	2	0	0	0	0	53
06:00	0	0	0	0	1	23	42	26	7	1	1	0	0	0	101
07:00	0	0	0	1	4	23	74	40	7	1	0	0	0	0	150
08:00	1	0	0	1	16	39	82	31	2	1	0	0	0	0	173
09:00	2	0	0	3	7	47	69	29	7	0	0	0	0	0	164
10:00	6	0	0	0	3	41	59	20	2	1	0	0	0	0	132
11:00	2	0	0	2	7	16	56	32	6	0	0	0	0	0	121
12 PM	2	2	0	0	7	20	65	42	4	0	0	0	0	0	142
13:00	5	0	0	0	3	23	53	31	7	2	0	0	0	0	124
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	18	2	0	7	48	251	538	280	49	11	1	0	0	0	1205

Daily
 15th Percentile : 38 MPH
 50th Percentile : 43 MPH
 85th Percentile : 48 MPH
 95th Percentile : 51 MPH
 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 818
 Percent in Pace : 67.9%
 Number of Vehicles > 30 MPH : 1178
 Percent of Vehicles > 30 MPH : 97.8%

Grand Total	78	6	4	50	232	1003	1830	913	166	25	3	1	0	0	4311
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Overall
 15th Percentile : 37 MPH
 50th Percentile : 43 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2833
 Percent in Pace : 65.7%
 Number of Vehicles > 30 MPH : 4173
 Percent of Vehicles > 30 MPH : 96.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/15/09	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	6	3	4	21	103	94	53	29	4	0	0	1	0	0	318
15:00	5	0	5	16	92	96	87	25	4	2	0	0	0	0	332
16:00	5	0	0	11	75	129	88	23	8	0	0	0	0	0	339
17:00	4	0	3	22	98	135	50	42	7	1	0	0	0	0	362
18:00	6	1	7	18	91	96	67	38	3	0	0	0	0	0	327
19:00	1	0	1	9	60	97	37	26	4	1	0	0	0	0	236
20:00	3	0	0	14	58	59	34	10	6	0	0	0	0	0	184
21:00	0	0	0	9	53	28	28	7	5	0	0	0	0	0	130
22:00	0	0	0	6	31	22	23	9	0	0	0	0	0	0	91
23:00	0	0	0	2	12	12	10	2	0	0	0	0	0	0	38
Total	30	4	20	128	673	768	477	211	41	4	0	1	0	0	2357

Daily
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 44 MPH
 95th Percentile : 49 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1441
 Percent in Pace : 61.1%
 Number of Vehicles > 30 MPH : 2175
 Percent of Vehicles > 30 MPH : 92.3%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/16/09	0	0	1	0	8	10	7	4	1	0	1	0	0	0	32
01:00	2	0	0	0	2	2	1	2	1	0	0	0	0	0	10
02:00	0	0	1	0	2	6	1	2	0	0	0	0	0	0	12
03:00	0	1	0	0	3	5	3	0	1	0	0	0	0	0	13
04:00	0	0	0	1	5	4	5	4	3	0	0	0	0	0	22
05:00	0	0	0	1	3	9	30	17	4	2	1	0	0	0	67
06:00	0	0	0	1	18	32	56	27	9	0	0	0	0	0	143
07:00	2	0	0	11	50	62	77	39	0	3	0	0	0	0	244
08:00	5	1	1	17	47	77	70	35	6	0	0	0	0	0	259
09:00	5	0	0	17	49	84	76	18	2	0	0	0	0	0	251
10:00	7	0	0	22	65	76	68	21	4	0	0	0	0	0	263
11:00	5	2	0	17	69	76	59	15	8	2	0	0	0	0	253
12 PM	6	1	0	13	65	120	65	27	3	0	0	0	0	0	300
13:00	10	0	0	12	87	82	68	39	8	0	0	0	0	0	306
14:00	4	0	0	11	75	96	58	26	5	2	0	0	0	0	277
15:00	1	0	2	12	97	120	66	33	4	0	0	0	0	0	335
16:00	7	0	1	25	119	138	63	18	1	0	0	0	0	0	372
17:00	11	0	2	6	99	143	73	22	5	0	1	0	0	0	362
18:00	0	0	0	17	67	109	47	23	3	1	0	0	0	0	267
19:00	6	0	1	8	69	70	53	20	7	0	0	0	0	0	234
20:00	0	0	0	19	58	75	48	15	2	0	0	0	0	0	217
21:00	2	1	2	11	38	43	22	12	3	0	0	0	0	0	134
22:00	0	0	1	4	35	33	20	7	1	0	0	0	0	0	101
23:00	0	0	0	5	11	21	8	7	2	0	0	0	0	0	54
Total	73	6	12	230	1141	1493	1044	433	83	10	3	0	0	0	4528

Daily
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 2634
 Percent in Pace : 58.2%
 Number of Vehicles > 30 MPH : 4207
 Percent of Vehicles > 30 MPH : 92.9%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/17/09	0	0	0	3	9	9	4	2	1	0	0	0	0	0	28
01:00	0	0	0	1	2	14	5	2	0	0	0	0	0	0	24
02:00	0	0	1	0	2	3	2	1	0	0	0	0	0	0	9
03:00	0	0	0	0	1	3	2	2	2	1	0	0	0	0	11
04:00	0	0	0	0	1	5	5	6	0	2	0	0	0	0	19
05:00	0	0	0	0	2	7	25	17	4	2	0	0	0	0	57
06:00	0	0	0	2	11	39	51	26	7	1	1	0	0	0	138
07:00	0	0	0	8	30	48	79	40	7	1	0	0	0	0	213
08:00	3	0	1	11	43	69	86	31	2	1	0	0	0	0	247
09:00	4	0	0	17	58	80	72	29	7	0	0	0	0	0	267
10:00	7	0	0	14	63	80	62	21	2	1	0	0	0	0	250
11:00	2	0	0	13	58	78	60	32	6	0	0	0	0	0	249
12 PM	3	2	0	9	91	69	72	43	4	0	0	0	0	0	293
13:00	9	0	0	8	64	81	58	31	7	2	0	0	0	0	260
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	28	2	2	86	435	585	583	283	49	11	1	0	0	0	2065

Daily
 15th Percentile : 33 MPH
 50th Percentile : 40 MPH
 85th Percentile : 46 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1168
 Percent in Pace : 56.6%
 Number of Vehicles > 30 MPH : 1947
 Percent of Vehicles > 30 MPH : 94.3%

Grand Total	131	12	34	444	2249	2846	2104	927	173	25	4	1	0	0	8950
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH
 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5095
 Percent in Pace : 56.9%
 Number of Vehicles > 30 MPH : 8329
 Percent of Vehicles > 30 MPH : 93.1%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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
06/16/09	0	23	1	0	0	0	0	0	0	0	0	0	0	24	0
01:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
05:00	0	4	4	0	0	0	0	0	0	0	0	0	0	8	0
06:00	0	27	7	2	1	0	0	0	0	0	0	0	0	37	3
07:00	1	54	15	0	0	0	0	0	0	0	0	0	0	70	0
08:00	0	61	20	1	3	0	0	0	0	0	0	0	0	85	4
09:00	0	71	15	0	1	0	0	0	0	0	0	0	0	87	1
10:00	0	94	19	0	2	0	0	1	0	0	0	0	0	116	3
11:00	0	98	25	1	1	1	0	0	0	0	0	0	0	126	3
12 PM	0	127	27	1	5	0	0	0	0	0	0	0	0	160	6
13:00	1	120	20	1	2	1	0	0	0	0	0	0	0	145	4
14:00	0	129	27	0	1	0	0	0	0	0	0	0	0	157	1
15:00	0	165	37	1	2	0	0	0	0	0	0	0	0	205	3
16:00	1	179	58	0	1	0	0	0	0	0	0	0	0	239	1
17:00	2	202	33	0	2	1	0	0	0	0	0	0	0	240	3
18:00	0	142	21	0	2	0	0	0	0	0	0	0	0	165	2
19:00	4	110	18	0	1	0	0	1	0	0	0	0	0	134	2
20:00	1	105	18	0	0	0	0	1	0	0	0	0	0	125	1
21:00	0	74	13	0	0	0	0	0	0	0	0	0	0	87	0
22:00	2	59	10	0	0	0	0	0	0	0	0	0	0	71	0
23:00	0	35	1	0	0	0	0	0	0	0	0	0	0	36	0
Total	12	1900	393	7	24	3	0	3	0	0	0	0	0	2342	37
Percent	0.5%	81.1%	16.8%	0.3%	1.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		1.6%
AM Peak	07:00	11:00	11:00	06:00	08:00	11:00		10:00						11:00	08:00
Vol.	1	98	25	2	3	1		1						126	4
PM Peak	19:00	17:00	16:00	12:00	12:00	13:00		19:00						17:00	12:00
Vol.	4	202	58	1	5	1		1						240	6

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

Community: Pembroke
Com #_U/RFC: 231_U0
Recorder #: Jamar #16
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 231
Date Start: 15-Jun-09
Date End: 17-Jun-09
Water St, north of Washington St (53)

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
06/16/09	0	3	5	0	0	0	0	0	0	0	0	0	0	8	0
01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8	0
04:00	0	7	6	0	2	0	0	0	0	0	0	0	0	15	2
05:00	0	19	27	0	13	0	0	0	0	0	0	0	0	59	13
06:00	1	48	36	1	20	0	0	0	0	0	0	0	0	106	21
07:00	1	89	62	0	21	0	0	1	0	0	0	0	0	174	22
08:00	0	84	62	0	24	1	0	2	1	0	0	0	0	174	28
09:00	0	79	70	1	13	1	0	0	0	0	0	0	0	164	15
10:00	0	76	55	0	15	0	0	1	0	0	0	0	0	147	16
11:00	0	46	57	2	21	0	0	1	0	0	0	0	0	127	24
12 PM	0	57	64	0	17	0	0	2	0	0	0	0	0	140	19
13:00	0	76	64	1	20	0	0	0	0	0	0	0	0	161	21
14:00	3	48	51	0	18	0	0	0	0	0	0	0	0	120	18
15:00	0	68	49	0	13	0	0	0	0	0	0	0	0	130	13
16:00	0	68	50	0	13	0	0	2	0	0	0	0	0	133	15
17:00	1	64	46	0	10	0	0	1	0	0	0	0	0	122	11
18:00	0	37	51	0	14	0	0	0	0	0	0	0	0	102	14
19:00	1	45	48	0	6	0	0	0	0	0	0	0	0	100	6
20:00	0	42	44	0	6	0	0	0	0	0	0	0	0	92	6
21:00	0	25	19	0	3	0	0	0	0	0	0	0	0	47	3
22:00	0	19	7	0	4	0	0	0	0	0	0	0	0	30	4
23:00	0	9	6	0	3	0	0	0	0	0	0	0	0	18	3
Total	7	1020	885	5	256	2	0	10	1	0	0	0	0	2186	274
Percent	0.3%	46.7%	40.5%	0.2%	11.7%	0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%		12.5%
AM Peak	06:00	07:00	09:00	11:00	08:00	08:00		08:00	08:00					07:00	08:00
Vol.	1	89	70	2	24	1		2	1					174	28
PM Peak	14:00	13:00	12:00	13:00	13:00			12:00						13:00	13:00
Vol.	3	76	64	1	20			2						161	21

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #16
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 15-Jun-09
 Date End: 17-Jun-09
 Water St, north of Washington St (53)

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	
06/16/09	0	26	6	0	0	0	0	0	0	0	0	0	0	32	0	
01:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0	
02:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0	
03:00	0	9	4	0	0	0	0	0	0	0	0	0	0	13	0	
04:00	0	13	7	0	2	0	0	0	0	0	0	0	0	22	2	
05:00	0	23	31	0	13	0	0	0	0	0	0	0	0	67	13	
06:00	1	75	43	3	21	0	0	0	0	0	0	0	0	143	24	
07:00	2	143	77	0	21	0	0	1	0	0	0	0	0	244	22	
08:00	0	145	82	1	27	1	0	2	1	0	0	0	0	259	32	
09:00	0	150	85	1	14	1	0	0	0	0	0	0	0	251	16	
10:00	0	170	74	0	17	0	0	2	0	0	0	0	0	263	19	
11:00	0	144	82	3	22	1	0	1	0	0	0	0	0	253	27	
12 PM	0	184	91	1	22	0	0	2	0	0	0	0	0	300	25	
13:00	1	196	84	2	22	1	0	0	0	0	0	0	0	306	25	
14:00	3	177	78	0	19	0	0	0	0	0	0	0	0	277	19	
15:00	0	233	86	1	15	0	0	0	0	0	0	0	0	335	16	
16:00	1	247	108	0	14	0	0	2	0	0	0	0	0	372	16	
17:00	3	266	79	0	12	1	0	1	0	0	0	0	0	362	14	
18:00	0	179	72	0	16	0	0	0	0	0	0	0	0	267	16	
19:00	5	155	66	0	7	0	0	1	0	0	0	0	0	234	8	
20:00	1	147	62	0	6	0	0	1	0	0	0	0	0	217	7	
21:00	0	99	32	0	3	0	0	0	0	0	0	0	0	134	3	
22:00	2	78	17	0	4	0	0	0	0	0	0	0	0	101	4	
23:00	0	44	7	0	3	0	0	0	0	0	0	0	0	54	3	
Total	19	2920	1278	12	280	5	0	13	1	0	0	0	0	4528	311	
Percent	0.4%	64.5%	28.2%	0.3%	6.2%	0.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		6.9%	
AM Peak	07:00	10:00	09:00	06:00	08:00	08:00		08:00	08:00					10:00	08:00	
Vol.	2	170	85	3	27	1		2	1					263	32	
PM Peak	19:00	17:00	16:00	13:00	12:00	13:00		12:00						16:00	12:00	
Vol.	5	266	108	2	22	1		2						372	25	

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

Start Time	15-Jun-09		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	*	*	0	1	0	0	*	*	*	*	*	*	*	*	0	0
01:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
02:00	*	*	0	0	0	0	*	*	*	*	*	*	*	*	0	0
03:00	*	*	1	0	0	0	*	*	*	*	*	*	*	*	0	0
04:00	*	*	0	1	0	0	*	*	*	*	*	*	*	*	0	0
05:00	*	*	0	2	0	2	*	*	*	*	*	*	*	*	0	2
06:00	*	*	2	2	1	4	*	*	*	*	*	*	*	*	2	3
07:00	*	*	1	5	1	3	*	*	*	*	*	*	*	*	1	4
08:00	*	*	6	9	6	8	*	*	*	*	*	*	*	*	6	8
09:00	*	*	6	6	7	11	*	*	*	*	*	*	*	*	6	8
10:00	*	*	4	3	10	9	*	*	*	*	*	*	*	*	7	6
11:00	*	*	6	8	8	8	*	*	*	*	*	*	*	*	7	8
12:00 PM	*	*	6	8	6	13	*	*	*	*	*	*	*	*	6	10
01:00	*	*	6	5	10	5	*	*	*	*	*	*	*	*	8	5
02:00	*	*	9	7	8	9	*	*	*	*	*	*	*	*	8	8
03:00	*	*	5	9	7	9	*	*	*	*	*	*	*	*	6	9
04:00	*	*	13	8	8	10	*	*	*	*	*	*	*	*	10	9
05:00	*	*	17	7	7	15	*	*	*	*	*	*	*	*	12	11
06:00	*	*	7	10	7	7	*	*	*	*	*	*	*	*	7	8
07:00	*	*	14	8	5	9	*	*	*	*	*	*	*	*	10	8
08:00	*	*	2	4	12	8	*	*	*	*	*	*	*	*	7	6
09:00	*	*	4	4	1	1	*	*	*	*	*	*	*	*	2	2
10:00	*	*	1	1	5	1	*	*	*	*	*	*	*	*	3	1
11:00	*	*	0	0	2	0	*	*	*	*	*	*	*	*	1	0
Total	0	0	110	108	111	132	0	0	0	0	0	0	0	0	109	116
Day	0	0	218		243		0	0	0	0	0	0	0	0	225	
AM Peak			08:00	08:00	10:00	09:00									10:00	08:00
Vol.			6	9	10	11									7	8
PM Peak			17:00	18:00	20:00	17:00									17:00	17:00
Vol.			17	10	12	15									12	11

Comb. Total 0 218 243 0 0 0 0 225

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

Start Time	15-Jun-09 Mon	16-Jun-09 Tue	17-Jun-09 Wed	18-Jun-09 Thu	19-Jun-09 Fri	20-Jun-09 Sat	21-Jun-09 Sun	Week Average
12:00 AM	*	1	0	*	*	*	*	0
01:00	*	0	0	*	*	*	*	0
02:00	*	0	0	*	*	*	*	0
03:00	*	1	0	*	*	*	*	0
04:00	*	1	0	*	*	*	*	0
05:00	*	2	2	*	*	*	*	2
06:00	*	4	5	*	*	*	*	4
07:00	*	6	4	*	*	*	*	5
08:00	*	15	14	*	*	*	*	14
09:00	*	12	18	*	*	*	*	15
10:00	*	7	19	*	*	*	*	13
11:00	*	14	16	*	*	*	*	15
12:00 PM	*	14	19	*	*	*	*	16
01:00	*	11	15	*	*	*	*	13
02:00	*	16	17	*	*	*	*	16
03:00	*	14	16	*	*	*	*	15
04:00	*	21	18	*	*	*	*	20
05:00	*	24	22	*	*	*	*	23
06:00	*	17	14	*	*	*	*	16
07:00	*	22	14	*	*	*	*	18
08:00	*	6	20	*	*	*	*	13
09:00	*	8	2	*	*	*	*	5
10:00	*	2	6	*	*	*	*	4
11:00	*	0	2	*	*	*	*	1
Total	0	218	243	0	0	0	0	228
Percentage	0.0%	95.6%	106.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak		08:00	10:00					09:00
Vol.		15	19					15
PM Peak		17:00	17:00					17:00
Vol.		24	22					23

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

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
06/16/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
07:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
08:00	0	2	3	0	1	0	0	0	0	0	0	0	0	0	6
09:00	1	1	2	2	0	0	0	0	0	0	0	0	0	0	6
10:00	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
11:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	6
12 PM	0	2	1	3	0	0	0	0	0	0	0	0	0	0	6
13:00	1	2	1	2	0	0	0	0	0	0	0	0	0	0	6
14:00	0	0	4	3	2	0	0	0	0	0	0	0	0	0	9
15:00	1	1	1	2	0	0	0	0	0	0	0	0	0	0	5
16:00	1	1	8	3	0	0	0	0	0	0	0	0	0	0	13
17:00	1	4	5	6	1	0	0	0	0	0	0	0	0	0	17
18:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	7
19:00	1	0	6	5	2	0	0	0	0	0	0	0	0	0	14
20:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
21:00	0	0	2	2	0	0	0	0	0	0	0	0	0	0	4
22:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	17	38	38	11	0	0	0	0	0	0	0	0	0	110

Daily
 15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 32 MPH
 Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 76
 Percent in Pace : 69.1%
 Number of Vehicles > 30 MPH : 11
 Percent of Vehicles > 30 MPH : 10.0%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

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
06/17/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
07:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
08:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	6
09:00	2	0	2	2	1	0	0	0	0	0	0	0	0	0	7
10:00	0	1	2	6	1	0	0	0	0	0	0	0	0	0	10
11:00	0	1	3	2	1	0	1	0	0	0	0	0	0	0	8
12 PM	0	1	1	2	1	0	1	0	0	0	0	0	0	0	6
13:00	0	2	4	3	0	1	0	0	0	0	0	0	0	0	10
14:00	0	0	3	5	0	0	0	0	0	0	0	0	0	0	8
15:00	0	0	2	3	2	0	0	0	0	0	0	0	0	0	7
16:00	1	0	1	3	2	1	0	0	0	0	0	0	0	0	8
17:00	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7
18:00	0	1	4	2	0	0	0	0	0	0	0	0	0	0	7
19:00	1	1	1	1	1	0	0	0	0	0	0	0	0	0	5
20:00	0	1	2	7	2	0	0	0	0	0	0	0	0	0	12
21:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
22:00	0	1	2	1	1	0	0	0	0	0	0	0	0	0	5
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	4	13	33	43	14	2	2	0	0	0	0	0	0	0	111

Daily
 15th Percentile : 20 MPH
 50th Percentile : 26 MPH
 85th Percentile : 31 MPH
 95th Percentile : 34 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 76
 Percent in Pace : 68.5%
 Number of Vehicles > 30 MPH : 18
 Percent of Vehicles > 30 MPH : 16.2%

Grand Total	10	30	71	81	25	2	2	0	0	0	0	0	0	0	221
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Overall
 15th Percentile : 19 MPH
 50th Percentile : 25 MPH
 85th Percentile : 30 MPH
 95th Percentile : 34 MPH

 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 152
 Percent in Pace : 68.8%
 Number of Vehicles > 30 MPH : 29
 Percent of Vehicles > 30 MPH : 13.1%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

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
06/16/09	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
06:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
07:00	0	0	0	2	1	1	1	0	0	0	0	0	0	0	5
08:00	0	0	3	5	1	0	0	0	0	0	0	0	0	0	9
09:00	1	1	0	2	1	1	0	0	0	0	0	0	0	0	6
10:00	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
11:00	0	1	2	1	3	1	0	0	0	0	0	0	0	0	8
12 PM	0	2	1	2	3	0	0	0	0	0	0	0	0	0	8
13:00	0	0	0	2	1	2	0	0	0	0	0	0	0	0	5
14:00	0	0	2	4	1	0	0	0	0	0	0	0	0	0	7
15:00	2	0	5	0	1	1	0	0	0	0	0	0	0	0	9
16:00	0	1	2	5	0	0	0	0	0	0	0	0	0	0	8
17:00	0	0	1	4	2	0	0	0	0	0	0	0	0	0	7
18:00	0	0	2	5	2	0	1	0	0	0	0	0	0	0	10
19:00	0	1	3	4	0	0	0	0	0	0	0	0	0	0	8
20:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
21:00	0	0	1	2	0	1	0	0	0	0	0	0	0	0	4
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	3	6	27	40	21	7	4	0	0	0	0	0	0	0	108

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 67
 Percent in Pace : 62.0%
 Number of Vehicles > 30 MPH : 32
 Percent of Vehicles > 30 MPH : 29.6%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

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
06/17/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
06:00	0	0	1	0	2	1	0	0	0	0	0	0	0	0	4
07:00	0	0	1	1	1	0	0	0	0	0	0	0	0	0	3
08:00	0	0	2	3	3	0	0	0	0	0	0	0	0	0	8
09:00	0	1	2	4	3	1	0	0	0	0	0	0	0	0	11
10:00	1	0	2	2	3	1	0	0	0	0	0	0	0	0	9
11:00	0	0	4	1	1	1	1	0	0	0	0	0	0	0	8
12 PM	0	0	2	4	6	0	0	1	0	0	0	0	0	0	13
13:00	0	1	0	1	3	0	0	0	0	0	0	0	0	0	5
14:00	0	1	0	5	3	0	0	0	0	0	0	0	0	0	9
15:00	0	2	3	3	1	0	0	0	0	0	0	0	0	0	9
16:00	1	0	1	2	4	2	0	0	0	0	0	0	0	0	10
17:00	0	1	2	6	5	1	0	0	0	0	0	0	0	0	15
18:00	0	0	0	4	3	0	0	0	0	0	0	0	0	0	7
19:00	0	0	2	2	5	0	0	0	0	0	0	0	0	0	9
20:00	0	2	2	3	1	0	0	0	0	0	0	0	0	0	8
21:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	8	25	43	45	7	1	1	0	0	0	0	0	0	132

Daily
 15th Percentile : 22 MPH
 50th Percentile : 29 MPH
 85th Percentile : 34 MPH
 95th Percentile : 36 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 88
 Percent in Pace : 66.7%
 Number of Vehicles > 30 MPH : 54
 Percent of Vehicles > 30 MPH : 40.9%

Grand Total	5	14	52	83	66	14	5	1	0	0	0	0	0	0	240
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Overall
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 149
 Percent in Pace : 62.1%
 Number of Vehicles > 30 MPH : 86
 Percent of Vehicles > 30 MPH : 35.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
06/16/09	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
06:00	0	1	1	0	2	0	0	0	0	0	0	0	0	0	4
07:00	0	0	0	3	1	1	1	0	0	0	0	0	0	0	6
08:00	0	2	6	5	2	0	0	0	0	0	0	0	0	0	15
09:00	2	2	2	4	1	1	0	0	0	0	0	0	0	0	12
10:00	0	0	1	3	3	0	0	0	0	0	0	0	0	0	7
11:00	0	2	4	3	4	1	0	0	0	0	0	0	0	0	14
12 PM	0	4	2	5	3	0	0	0	0	0	0	0	0	0	14
13:00	1	2	1	4	1	2	0	0	0	0	0	0	0	0	11
14:00	0	0	6	7	3	0	0	0	0	0	0	0	0	0	16
15:00	3	1	6	2	1	1	0	0	0	0	0	0	0	0	14
16:00	1	2	10	8	0	0	0	0	0	0	0	0	0	0	21
17:00	1	4	6	10	3	0	0	0	0	0	0	0	0	0	24
18:00	0	1	4	8	3	0	1	0	0	0	0	0	0	0	17
19:00	1	1	9	9	2	0	0	0	0	0	0	0	0	0	22
20:00	0	1	3	2	0	0	0	0	0	0	0	0	0	0	6
21:00	0	0	3	4	0	1	0	0	0	0	0	0	0	0	8
22:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	23	65	78	32	7	4	0	0	0	0	0	0	0	218

Daily
 15th Percentile : 21 MPH
 50th Percentile : 26 MPH
 85th Percentile : 32 MPH
 95th Percentile : 35 MPH
 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 143
 Percent in Pace : 65.6%
 Number of Vehicles > 30 MPH : 43
 Percent of Vehicles > 30 MPH : 19.7%

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

Community: Pembroke
 Com #_U/RFC: 231_U0
 Recorder #: Jamar #9
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 16-Jun-09
 Date End: 17-Jun-09
 Water St, north of Church St (139)

NB, SB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
06/17/09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
06:00	0	1	1	0	2	1	0	0	0	0	0	0	0	0	5
07:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
08:00	0	1	4	5	4	0	0	0	0	0	0	0	0	0	14
09:00	2	1	4	6	4	1	0	0	0	0	0	0	0	0	18
10:00	1	1	4	8	4	1	0	0	0	0	0	0	0	0	19
11:00	0	1	7	3	2	1	2	0	0	0	0	0	0	0	16
12 PM	0	1	3	6	7	0	1	1	0	0	0	0	0	0	19
13:00	0	3	4	4	3	1	0	0	0	0	0	0	0	0	15
14:00	0	1	3	10	3	0	0	0	0	0	0	0	0	0	17
15:00	0	2	5	6	3	0	0	0	0	0	0	0	0	0	16
16:00	2	0	2	5	6	3	0	0	0	0	0	0	0	0	18
17:00	0	2	4	10	5	1	0	0	0	0	0	0	0	0	22
18:00	0	1	4	6	3	0	0	0	0	0	0	0	0	0	14
19:00	1	1	3	3	6	0	0	0	0	0	0	0	0	0	14
20:00	0	3	4	10	3	0	0	0	0	0	0	0	0	0	20
21:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
22:00	0	1	3	1	1	0	0	0	0	0	0	0	0	0	6
23:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
Total	6	21	58	86	59	9	3	1	0	0	0	0	0	0	243

Daily
 15th Percentile : 21 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 23-32 MPH
 Number in Pace : 146
 Percent in Pace : 60.1%
 Number of Vehicles > 30 MPH : 72
 Percent of Vehicles > 30 MPH : 29.6%

Grand Total	15	44	123	164	91	16	7	1	0	0	0	0	0	0	461
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Overall
 15th Percentile : 21 MPH
 50th Percentile : 27 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH
 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 21-30 MPH
 Number in Pace : 287
 Percent in Pace : 62.3%
 Number of Vehicles > 30 MPH : 115
 Percent of Vehicles > 30 MPH : 24.9%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

Start Time	30-Nov-09		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB
12:00 AM	*	*	*	*	36	23	42	28	*	*	*	*	*	*	39	26
01:00	*	*	*	*	14	8	19	5	*	*	*	*	*	*	16	6
02:00	*	*	*	*	9	8	15	9	*	*	*	*	*	*	12	8
03:00	*	*	*	*	32	33	30	17	*	*	*	*	*	*	31	25
04:00	*	*	*	*	34	58	33	75	*	*	*	*	*	*	34	66
05:00	*	*	*	*	53	165	50	159	*	*	*	*	*	*	52	162
06:00	*	*	*	*	168	308	144	301	*	*	*	*	*	*	156	304
07:00	*	*	*	*	300	449	267	407	*	*	*	*	*	*	284	428
08:00	*	*	*	*	406	496	426	451	*	*	*	*	*	*	416	474
09:00	*	*	*	*	307	412	346	439	*	*	*	*	*	*	326	426
10:00	*	*	*	*	288	379	307	409	*	*	*	*	*	*	298	394
11:00	*	*	*	*	285	389	274	437	*	*	*	*	*	*	280	413
12:00 PM	*	*	*	*	366	436	392	473	*	*	*	*	*	*	379	454
01:00	*	*	*	*	364	400	401	409	*	*	*	*	*	*	382	404
02:00	*	*	*	*	415	430	417	434	*	*	*	*	*	*	416	432
03:00	*	*	*	*	417	534	404	474	*	*	*	*	*	*	410	504
04:00	*	*	*	*	511	508	452	498	*	*	*	*	*	*	482	503
05:00	*	*	*	*	495	565	486	546	*	*	*	*	*	*	490	556
06:00	*	*	*	*	397	364	469	443	*	*	*	*	*	*	433	404
07:00	*	*	*	*	303	307	325	336	*	*	*	*	*	*	314	322
08:00	*	*	*	*	233	181	230	199	*	*	*	*	*	*	232	190
09:00	*	*	*	*	164	118	202	147	*	*	*	*	*	*	183	132
10:00	*	*	*	*	120	68	117	64	*	*	*	*	*	*	118	66
11:00	*	*	*	*	67	45	88	50	*	*	*	*	*	*	78	48
Total	0	0	0	0	5784	6684	5936	6810	0	0	0	0	0	0	5861	6747
Day	0	0	0	0	12468		12746		0	0	0	0	0	0	12608	
AM Peak					08:00	08:00	08:00	08:00							08:00	08:00
Vol.					406	496	426	451							416	474
PM Peak					16:00	17:00	17:00	17:00							17:00	17:00
Vol.					511	565	486	546							490	556
Comb. Total	0	0	0	0	12468		12746		0	0	0	0	0	0	12608	

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

Start Time	30-Nov-09 Mon	01-Dec-09 Tue	02-Dec-09 Wed	03-Dec-09 Thu	04-Dec-09 Fri	05-Dec-09 Sat	06-Dec-09 Sun	Week Average
12:00 AM	*	*	59	70	*	*	*	64
01:00	*	*	22	24	*	*	*	23
02:00	*	*	17	24	*	*	*	20
03:00	*	*	65	47	*	*	*	56
04:00	*	*	92	108	*	*	*	100
05:00	*	*	218	209	*	*	*	214
06:00	*	*	476	445	*	*	*	460
07:00	*	*	749	674	*	*	*	712
08:00	*	*	902	877	*	*	*	890
09:00	*	*	719	785	*	*	*	752
10:00	*	*	667	716	*	*	*	692
11:00	*	*	674	711	*	*	*	692
12:00 PM	*	*	802	865	*	*	*	834
01:00	*	*	764	810	*	*	*	787
02:00	*	*	845	851	*	*	*	848
03:00	*	*	951	878	*	*	*	914
04:00	*	*	1019	950	*	*	*	984
05:00	*	*	1060	1032	*	*	*	1046
06:00	*	*	761	912	*	*	*	836
07:00	*	*	610	661	*	*	*	636
08:00	*	*	414	429	*	*	*	422
09:00	*	*	282	349	*	*	*	316
10:00	*	*	188	181	*	*	*	184
11:00	*	*	112	138	*	*	*	125
Total	0	0	12468	12746	0	0	0	12607
Percentage	0.0%	0.0%	98.9%	101.1%	0.0%	0.0%	0.0%	
AM Peak			08:00	08:00				08:00
Vol.			902	877				890
PM Peak			17:00	17:00				17:00
Vol.			1060	1032				1046

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

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
12/02/09	0	0	5	10	16	4	0	1	0	0	0	0	0	0	36
01:00	0	0	0	4	9	1	0	0	0	0	0	0	0	0	14
02:00	0	0	2	3	4	0	0	0	0	0	0	0	0	0	9
03:00	1	0	0	12	19	0	0	0	0	0	0	0	0	0	32
04:00	0	0	2	18	12	2	0	0	0	0	0	0	0	0	34
05:00	0	3	4	20	23	2	1	0	0	0	0	0	0	0	53
06:00	5	7	26	56	73	1	0	0	0	0	0	0	0	0	168
07:00	14	2	53	122	96	13	0	0	0	0	0	0	0	0	300
08:00	21	6	56	191	115	17	0	0	0	0	0	0	0	0	406
09:00	15	5	52	111	113	10	1	0	0	0	0	0	0	0	307
10:00	13	15	70	95	82	12	0	1	0	0	0	0	0	0	288
11:00	10	12	62	103	80	16	2	0	0	0	0	0	0	0	285
12 PM	10	8	80	142	108	18	0	0	0	0	0	0	0	0	366
13:00	15	6	71	157	104	11	0	0	0	0	0	0	0	0	364
14:00	14	11	92	180	110	8	0	0	0	0	0	0	0	0	415
15:00	23	15	109	174	91	5	0	0	0	0	0	0	0	0	417
16:00	30	15	130	221	107	8	0	0	0	0	0	0	0	0	511
17:00	27	22	139	221	76	10	0	0	0	0	0	0	0	0	495
18:00	19	8	82	178	102	7	1	0	0	0	0	0	0	0	397
19:00	7	5	80	127	76	8	0	0	0	0	0	0	0	0	303
20:00	3	4	45	112	63	6	0	0	0	0	0	0	0	0	233
21:00	1	6	17	74	57	6	2	1	0	0	0	0	0	0	164
22:00	0	3	23	54	35	5	0	0	0	0	0	0	0	0	120
23:00	1	3	10	31	20	2	0	0	0	0	0	0	0	0	67
Total	229	156	1210	2416	1591	172	7	3	0	0	0	0	0	0	5784

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4007
 Percent in Pace : 69.3%
 Number of Vehicles > 25 MPH : 4189
 Percent of Vehicles > 25 MPH : 72.4%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

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
12/03/09	1	2	9	13	13	3	1	0	0	0	0	0	0	0	42
01:00	0	2	2	8	6	1	0	0	0	0	0	0	0	0	19
02:00	0	1	1	5	7	1	0	0	0	0	0	0	0	0	15
03:00	1	0	4	14	9	2	0	0	0	0	0	0	0	0	30
04:00	1	2	8	13	9	0	0	0	0	0	0	0	0	0	33
05:00	1	2	12	18	15	2	0	0	0	0	0	0	0	0	50
06:00	9	10	27	73	24	1	0	0	0	0	0	0	0	0	144
07:00	14	9	58	114	64	7	0	0	0	0	1	0	0	0	267
08:00	19	5	67	192	132	11	0	0	0	0	0	0	0	0	426
09:00	18	12	76	119	107	13	1	0	0	0	0	0	0	0	346
10:00	18	12	55	105	104	12	1	0	0	0	0	0	0	0	307
11:00	13	5	45	106	98	6	1	0	0	0	0	0	0	0	274
12 PM	22	7	78	147	126	12	0	0	0	0	0	0	0	0	392
13:00	15	11	80	141	141	13	0	0	0	0	0	0	0	0	401
14:00	14	8	90	147	143	12	3	0	0	0	0	0	0	0	417
15:00	25	10	94	142	125	7	1	0	0	0	0	0	0	0	404
16:00	32	19	101	189	102	7	1	1	0	0	0	0	0	0	452
17:00	29	8	137	203	102	7	0	0	0	0	0	0	0	0	486
18:00	31	17	128	215	73	5	0	0	0	0	0	0	0	0	469
19:00	10	11	87	127	85	5	0	0	0	0	0	0	0	0	325
20:00	7	6	55	87	67	6	2	0	0	0	0	0	0	0	230
21:00	0	1	43	90	59	9	0	0	0	0	0	0	0	0	202
22:00	1	3	16	48	45	3	0	1	0	0	0	0	0	0	117
23:00	1	2	12	25	44	3	1	0	0	0	0	0	0	0	88
Total	282	165	1285	2341	1700	148	12	2	0	0	1	0	0	0	5936

Daily
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4041
 Percent in Pace : 68.1%
 Number of Vehicles > 25 MPH : 4204
 Percent of Vehicles > 25 MPH : 70.8%

Grand Total	511	321	2495	4757	3291	320	19	5	0	0	1	0	0	0	11720
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Overall
 15th Percentile : 22 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 35 MPH

 Mean Speed(Average) : 28 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 8048
 Percent in Pace : 68.7%
 Number of Vehicles > 25 MPH : 8393
 Percent of Vehicles > 25 MPH : 71.6%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/02/09	1	1	1	4	11	3	2	0	0	0	0	0	0	0	23
01:00	0	0	0	3	2	3	0	0	0	0	0	0	0	0	8
02:00	0	0	2	0	2	2	2	0	0	0	0	0	0	0	8
03:00	0	0	0	7	14	8	4	0	0	0	0	0	0	0	33
04:00	0	0	3	10	21	19	3	2	0	0	0	0	0	0	58
05:00	0	3	14	16	47	69	15	1	0	0	0	0	0	0	165
06:00	5	1	36	49	121	83	13	0	0	0	0	0	0	0	308
07:00	17	2	40	80	185	110	14	1	0	0	0	0	0	0	449
08:00	30	11	58	141	199	55	2	0	0	0	0	0	0	0	496
09:00	25	6	26	78	174	81	22	0	0	0	0	0	0	0	412
10:00	20	2	35	101	162	55	4	0	0	0	0	0	0	0	379
11:00	14	4	32	91	157	85	6	0	0	0	0	0	0	0	389
12 PM	13	1	22	102	177	105	16	0	0	0	0	0	0	0	436
13:00	24	3	18	77	199	70	7	2	0	0	0	0	0	0	400
14:00	29	0	33	79	179	92	17	1	0	0	0	0	0	0	430
15:00	37	5	54	148	228	61	1	0	0	0	0	0	0	0	534
16:00	36	4	43	124	231	63	7	0	0	0	0	0	0	0	508
17:00	45	13	82	182	205	35	3	0	0	0	0	0	0	0	565
18:00	21	1	32	114	134	55	7	0	0	0	0	0	0	0	364
19:00	18	1	31	80	128	41	7	1	0	0	0	0	0	0	307
20:00	9	2	13	36	82	34	4	1	0	0	0	0	0	0	181
21:00	2	0	8	23	46	35	3	1	0	0	0	0	0	0	118
22:00	0	0	6	14	21	22	4	1	0	0	0	0	0	0	68
23:00	0	0	2	9	24	9	1	0	0	0	0	0	0	0	45
Total	346	60	591	1568	2749	1195	164	11	0	0	0	0	0	0	6684

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

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4317
 Percent in Pace : 64.6%
 Number of Vehicles > 25 MPH : 5687
 Percent of Vehicles > 25 MPH : 85.1%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

NB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
12/03/09	0	0	4	10	9	5	0	0	0	0	0	0	0	0	0	28
01:00	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	5
02:00	0	0	0	4	4	0	0	1	0	0	0	0	0	0	0	9
03:00	1	0	0	2	8	5	0	1	0	0	0	0	0	0	0	17
04:00	2	1	10	9	38	11	4	0	0	0	0	0	0	0	0	75
05:00	1	2	16	20	64	46	9	1	0	0	0	0	0	0	0	159
06:00	11	4	58	67	105	54	1	1	0	0	0	0	0	0	0	301
07:00	17	8	36	88	173	75	8	1	1	0	0	0	0	0	0	407
08:00	30	3	36	100	174	101	7	0	0	0	0	0	0	0	0	451
09:00	19	4	40	109	178	85	4	0	0	0	0	0	0	0	0	439
10:00	18	4	21	69	189	99	9	0	0	0	0	0	0	0	0	409
11:00	22	0	20	103	193	87	12	0	0	0	0	0	0	0	0	437
12 PM	34	2	28	88	203	115	3	0	0	0	0	0	0	0	0	473
13:00	25	1	15	92	176	90	10	0	0	0	0	0	0	0	0	409
14:00	25	3	17	83	180	106	19	1	0	0	0	0	0	0	0	434
15:00	22	1	27	88	226	99	11	0	0	0	0	0	0	0	0	474
16:00	30	3	28	136	231	67	3	0	0	0	0	0	0	0	0	498
17:00	41	9	58	183	196	52	6	1	0	0	0	0	0	0	0	546
18:00	22	9	37	155	172	46	1	1	0	0	0	0	0	0	0	443
19:00	13	2	28	81	160	46	6	0	0	0	0	0	0	0	0	336
20:00	11	3	11	52	78	41	3	0	0	0	0	0	0	0	0	199
21:00	3	0	6	29	63	39	6	1	0	0	0	0	0	0	0	147
22:00	0	0	6	21	24	9	4	0	0	0	0	0	0	0	0	64
23:00	2	0	3	7	19	16	3	0	0	0	0	0	0	0	0	50
Total	349	59	505	1598	2864	1296	129	9	1	0	0	0	0	0	0	6810

Daily
 15th Percentile : 26 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 4462
 Percent in Pace : 65.5%
 Number of Vehicles > 25 MPH : 5897
 Percent of Vehicles > 25 MPH : 86.6%

Grand Total	695	119	1096	3166	5613	2491	293	20	1	0	0	0	0	0	0	13494
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 8779
 Percent in Pace : 65.1%
 Number of Vehicles > 25 MPH : 11584
 Percent of Vehicles > 25 MPH : 85.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

SB, 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
12/02/09	1	1	6	14	27	7	2	1	0	0	0	0	0	0	59
01:00	0	0	0	7	11	4	0	0	0	0	0	0	0	0	22
02:00	0	0	4	3	6	2	2	0	0	0	0	0	0	0	17
03:00	1	0	0	19	33	8	4	0	0	0	0	0	0	0	65
04:00	0	0	5	28	33	21	3	2	0	0	0	0	0	0	92
05:00	0	6	18	36	70	71	16	1	0	0	0	0	0	0	218
06:00	10	8	62	105	194	84	13	0	0	0	0	0	0	0	476
07:00	31	4	93	202	281	123	14	1	0	0	0	0	0	0	749
08:00	51	17	114	332	314	72	2	0	0	0	0	0	0	0	902
09:00	40	11	78	189	287	91	23	0	0	0	0	0	0	0	719
10:00	33	17	105	196	244	67	4	1	0	0	0	0	0	0	667
11:00	24	16	94	194	237	101	8	0	0	0	0	0	0	0	674
12 PM	23	9	102	244	285	123	16	0	0	0	0	0	0	0	802
13:00	39	9	89	234	303	81	7	2	0	0	0	0	0	0	764
14:00	43	11	125	259	289	100	17	1	0	0	0	0	0	0	845
15:00	60	20	163	322	319	66	1	0	0	0	0	0	0	0	951
16:00	66	19	173	345	338	71	7	0	0	0	0	0	0	0	1019
17:00	72	35	221	403	281	45	3	0	0	0	0	0	0	0	1060
18:00	40	9	114	292	236	62	8	0	0	0	0	0	0	0	761
19:00	25	6	111	207	204	49	7	1	0	0	0	0	0	0	610
20:00	12	6	58	148	145	40	4	1	0	0	0	0	0	0	414
21:00	3	6	25	97	103	41	5	2	0	0	0	0	0	0	282
22:00	0	3	29	68	56	27	4	1	0	0	0	0	0	0	188
23:00	1	3	12	40	44	11	1	0	0	0	0	0	0	0	112
Total	575	216	1801	3984	4340	1367	171	14	0	0	0	0	0	0	12468

Daily
 15th Percentile : 23 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 8324
 Percent in Pace : 66.8%
 Number of Vehicles > 25 MPH : 9876
 Percent of Vehicles > 25 MPH : 79.2%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

SB, NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
12/03/09	1	2	13	23	22	8	1	0	0	0	0	0	0	0	70
01:00	0	2	2	10	7	3	0	0	0	0	0	0	0	0	24
02:00	0	1	1	9	11	1	0	1	0	0	0	0	0	0	24
03:00	2	0	4	16	17	7	0	1	0	0	0	0	0	0	47
04:00	3	3	18	22	47	11	4	0	0	0	0	0	0	0	108
05:00	2	4	28	38	79	48	9	1	0	0	0	0	0	0	209
06:00	20	14	85	140	129	55	1	1	0	0	0	0	0	0	445
07:00	31	17	94	202	237	82	8	1	1	0	1	0	0	0	674
08:00	49	8	103	292	306	112	7	0	0	0	0	0	0	0	877
09:00	37	16	116	228	285	98	5	0	0	0	0	0	0	0	785
10:00	36	16	76	174	293	111	10	0	0	0	0	0	0	0	716
11:00	35	5	65	209	291	93	13	0	0	0	0	0	0	0	711
12 PM	56	9	106	235	329	127	3	0	0	0	0	0	0	0	865
13:00	40	12	95	233	317	103	10	0	0	0	0	0	0	0	810
14:00	39	11	107	230	323	118	22	1	0	0	0	0	0	0	851
15:00	47	11	121	230	351	106	12	0	0	0	0	0	0	0	878
16:00	62	22	129	325	333	74	4	1	0	0	0	0	0	0	950
17:00	70	17	195	386	298	59	6	1	0	0	0	0	0	0	1032
18:00	53	26	165	370	245	51	1	1	0	0	0	0	0	0	912
19:00	23	13	115	208	245	51	6	0	0	0	0	0	0	0	661
20:00	18	9	66	139	145	47	5	0	0	0	0	0	0	0	429
21:00	3	1	49	119	122	48	6	1	0	0	0	0	0	0	349
22:00	1	3	22	69	69	12	4	1	0	0	0	0	0	0	181
23:00	3	2	15	32	63	19	4	0	0	0	0	0	0	0	138
Total	631	224	1790	3939	4564	1444	141	11	1	0	1	0	0	0	12746

Daily
 15th Percentile : 23 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 8503
 Percent in Pace : 66.7%
 Number of Vehicles > 25 MPH : 10101
 Percent of Vehicles > 25 MPH : 79.2%

Grand Total	1206	440	3591	7923	8904	2811	312	25	1	0	1	0	0	0	25214
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Overall
 15th Percentile : 23 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 16827
 Percent in Pace : 66.7%
 Number of Vehicles > 25 MPH : 19977
 Percent of Vehicles > 25 MPH : 79.2%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

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
12/02/09	0	32	3	0	1	0	0	0	0	0	0	0	0	36	1
01:00	0	13	1	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	5	1	0	3	0	0	0	0	0	0	0	0	9	3
03:00	0	31	0	0	1	0	0	0	0	0	0	0	0	32	1
04:00	0	32	2	0	0	0	0	0	0	0	0	0	0	34	0
05:00	0	46	5	0	1	0	0	1	0	0	0	0	0	53	2
06:00	0	129	37	0	0	0	0	2	0	0	0	0	0	168	2
07:00	0	203	86	0	4	1	0	5	0	0	0	0	0	299	10
08:00	4	329	58	1	3	4	0	3	1	0	0	1	1	405	14
09:00	0	244	54	0	2	4	0	2	0	0	0	0	0	306	8
10:00	1	237	43	0	4	1	0	1	0	1	0	0	0	288	7
11:00	0	229	41	1	7	0	0	4	2	1	0	0	0	285	15
12 PM	2	297	56	1	7	0	0	1	0	0	0	1	0	365	10
13:00	1	297	46	1	11	5	0	1	0	0	0	1	0	363	19
14:00	1	353	47	0	4	5	0	3	0	1	0	0	0	414	13
15:00	3	335	61	1	7	1	1	5	1	0	1	0	0	416	17
16:00	1	423	70	0	3	3	0	8	0	1	0	1	1	511	17
17:00	4	434	47	0	5	1	0	3	0	1	0	0	0	495	10
18:00	3	347	39	0	3	1	0	1	1	0	1	0	0	396	7
19:00	0	267	32	0	2	0	0	2	0	0	0	0	0	303	4
20:00	2	206	24	0	0	0	0	0	0	0	0	0	0	232	0
21:00	0	156	5	0	1	0	0	1	0	0	1	0	0	164	3
22:00	0	114	6	0	0	0	0	0	0	0	0	0	0	120	0
23:00	0	61	6	0	0	0	0	0	0	0	0	0	0	67	0
Total	22	4820	770	5	69	26	1	43	5	5	3	4	2	5775	163
Percent	0.4%	83.5%	13.3%	0.1%	1.2%	0.5%	0.0%	0.7%	0.1%	0.1%	0.1%	0.1%	0.0%		2.8%
AM Peak	08:00	08:00	07:00	08:00	11:00	08:00		07:00	11:00	10:00		08:00	08:00	08:00	11:00
Vol.	4	329	86	1	7	4		5	2	1		1	1	405	15
PM Peak	17:00	17:00	16:00	12:00	13:00	13:00	15:00	16:00	15:00	14:00	15:00	12:00	16:00	16:00	13:00
Vol.	4	434	70	1	11	5	1	8	1	1	1	1	1	511	19

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

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
12/03/09	0	37	5	0	0	0	0	0	0	0	0	0	0	42	0
01:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19	0
02:00	0	13	0	1	1	0	0	0	0	0	0	0	0	15	2
03:00	0	29	0	0	1	0	0	0	0	0	0	0	0	30	1
04:00	0	30	1	0	1	1	0	0	0	0	0	0	0	33	2
05:00	0	45	2	0	0	3	0	0	0	0	0	0	0	50	3
06:00	1	108	31	0	2	1	0	0	0	0	0	0	0	143	3
07:00	2	186	67	1	2	1	0	5	1	1	0	0	0	266	11
08:00	1	358	51	2	6	3	0	2	0	0	0	2	0	425	15
09:00	0	271	61	0	7	3	0	3	0	0	0	0	0	345	13
10:00	0	244	48	1	8	0	0	4	0	0	0	2	0	307	15
11:00	1	224	39	0	2	3	0	3	0	0	1	1	0	274	10
12 PM	4	315	57	2	10	1	0	1	1	0	0	0	0	391	15
13:00	2	334	49	0	8	2	0	5	0	0	0	1	0	401	16
14:00	0	350	53	0	4	4	0	3	0	0	1	0	1	416	13
15:00	3	329	59	4	5	1	0	3	0	0	0	0	0	404	13
16:00	2	367	69	0	8	1	0	1	2	1	0	1	0	452	14
17:00	1	421	53	0	4	3	0	4	0	0	0	0	0	486	11
18:00	3	410	50	0	4	0	0	2	0	0	0	0	0	469	6
19:00	0	302	22	0	0	0	0	0	0	0	0	0	0	324	0
20:00	0	206	23	0	0	0	0	0	0	1	0	0	0	230	1
21:00	1	186	14	0	1	0	0	0	0	0	0	0	0	202	1
22:00	0	106	9	0	2	0	0	0	0	0	0	0	0	117	2
23:00	1	75	10	0	1	0	0	1	0	0	0	0	0	88	2
Total	22	4963	775	11	77	27	0	37	4	3	2	7	1	5929	169
Percent	0.4%	83.7%	13.1%	0.2%	1.3%	0.5%	0.0%	0.6%	0.1%	0.1%	0.0%	0.1%	0.0%		2.9%
AM Peak	07:00	08:00	07:00	08:00	10:00	05:00		07:00	07:00	07:00	11:00	08:00		08:00	08:00
Vol.	2	358	67	2	8	3		5	1	1	1	2		425	15
PM Peak	12:00	17:00	16:00	15:00	12:00	14:00		13:00	16:00	16:00	14:00	13:00	14:00	17:00	13:00
Vol.	4	421	69	4	10	4		5	2	1	1	1	1	486	16
Grand Total	44	9783	1545	16	146	53	1	80	9	8	5	11	3	11704	332
Percent	0.4%	83.6%	13.2%	0.1%	1.2%	0.5%	0.0%	0.7%	0.1%	0.1%	0.0%	0.1%	0.0%		2.8%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

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
12/02/09	0	16	5	0	2	0	0	0	0	0	0	0	0	23	2
01:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
02:00	0	5	1	1	1	0	0	0	0	0	0	0	0	8	2
03:00	0	25	6	0	2	0	0	0	0	0	0	0	0	33	2
04:00	0	43	13	0	2	0	0	0	0	0	0	0	0	58	2
05:00	0	120	36	0	7	1	0	1	0	0	0	0	0	165	9
06:00	1	235	59	0	11	0	0	1	1	0	0	0	0	308	13
07:00	0	336	97	1	13	0	0	2	0	0	0	0	0	449	16
08:00	0	349	116	2	22	3	0	3	0	1	0	0	0	496	31
09:00	1	304	94	3	6	2	0	1	1	0	0	0	0	412	13
10:00	1	288	75	0	12	1	0	1	0	0	0	0	0	378	14
11:00	0	287	86	3	9	2	0	1	0	0	0	0	0	388	15
12 PM	1	327	89	1	13	1	0	3	1	0	0	0	0	436	19
13:00	2	319	67	3	6	1	0	1	0	0	0	0	0	399	11
14:00	0	313	99	1	13	3	0	1	0	0	0	0	0	430	18
15:00	7	410	94	2	10	4	0	6	0	0	0	0	1	534	23
16:00	4	411	71	1	15	0	0	5	1	0	0	0	0	508	22
17:00	1	461	85	0	11	2	0	3	0	0	0	0	1	564	17
18:00	1	293	59	0	8	2	0	0	0	0	0	0	0	363	10
19:00	0	244	55	0	7	1	0	0	0	0	0	0	0	307	8
20:00	1	150	28	0	1	0	0	0	0	0	0	0	0	180	1
21:00	1	95	21	0	1	0	0	0	0	0	0	0	0	118	1
22:00	0	58	9	0	1	0	0	0	0	0	0	0	0	68	1
23:00	0	42	2	0	1	0	0	0	0	0	0	0	0	45	1
Total	21	5137	1269	18	174	23	0	29	4	1	0	0	2	6678	251
Percent	0.3%	76.9%	19.0%	0.3%	2.6%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		3.8%
AM Peak	06:00	08:00	08:00	09:00	08:00	08:00		08:00	06:00	08:00				08:00	08:00
Vol.	1	349	116	3	22	3		3	1	1				496	31
PM Peak	15:00	17:00	14:00	13:00	16:00	15:00		15:00	12:00				15:00	17:00	15:00
Vol.	7	461	99	3	15	4		6	1				1	564	23

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

Community: Pembroke
Com #_U/RFC: 231_U6
Recorder #: Jamar #8
Tube Layout: L6 Basic (2')

Station ID:
Site Code: 231
Date Start: 02-Dec-09
Date End: 03-Dec-09
Oak St, south of Church St (139)

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
	12/03/09	0	26	2	0	0	0	0	0	0	0	0	0	0	28	0
	01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
	02:00	0	7	0	1	0	1	0	0	0	0	0	0	0	9	2
	03:00	0	11	5	0	1	0	0	0	0	0	0	0	0	17	1
	04:00	0	63	10	0	2	0	0	0	0	0	0	0	0	75	2
	05:00	0	113	41	0	4	1	0	0	0	0	0	0	0	159	5
	06:00	1	233	50	2	12	3	0	0	0	0	0	0	0	301	17
	07:00	1	311	80	0	12	1	0	1	1	0	0	0	0	407	15
	08:00	0	338	91	4	14	2	0	1	1	0	0	0	0	451	22
	09:00	1	299	110	2	22	2	0	3	0	0	0	0	0	439	29
	10:00	3	315	79	0	9	0	0	3	0	0	0	0	0	409	12
	11:00	2	329	78	2	20	3	0	1	1	0	0	0	0	436	27
	12 PM	3	365	89	1	12	0	0	2	1	0	0	0	0	473	16
	13:00	2	317	76	2	10	1	0	1	0	0	0	0	0	409	14
	14:00	1	333	79	1	13	3	0	4	0	0	0	0	0	434	21
	15:00	1	363	98	2	7	1	0	2	0	0	0	0	0	474	12
	16:00	3	394	86	0	14	0	0	1	0	0	0	0	0	498	15
	17:00	5	453	77	0	6	0	1	3	1	0	0	0	0	546	11
	18:00	1	362	75	1	2	1	0	1	0	0	0	0	0	443	5
	19:00	0	287	46	0	3	0	0	0	0	0	0	0	0	336	3
	20:00	0	170	27	0	2	0	0	0	0	0	0	0	0	199	2
	21:00	0	126	18	0	2	0	0	0	0	0	0	0	0	146	2
	22:00	0	58	4	0	2	0	0	0	0	0	0	0	0	64	2
	23:00	0	39	8	0	2	1	0	0	0	0	0	0	0	50	3
	Total	24	5315	1231	18	171	20	1	23	5	0	0	0	0	6808	238
	Percent	0.4%	78.1%	18.1%	0.3%	2.5%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		3.5%
	AM Peak	10:00	08:00	09:00	08:00	09:00	06:00		09:00	07:00					08:00	09:00
	Vol.	3	338	110	4	22	3		3	1					451	29
	PM Peak	17:00	17:00	15:00	13:00	16:00	14:00	17:00	14:00	12:00					17:00	14:00
	Vol.	5	453	98	2	14	3	1	4	1					546	21
	Grand Total	45	10452	2500	36	345	43	1	52	9	1	0	0	2	13486	489
	Percent	0.3%	77.5%	18.5%	0.3%	2.6%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		3.6%

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

SB, 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
12/02/09	0	48	8	0	3	0	0	0	0	0	0	0	0	59	3
01:00	0	19	3	0	0	0	0	0	0	0	0	0	0	22	0
02:00	0	10	2	1	4	0	0	0	0	0	0	0	0	17	5
03:00	0	56	6	0	3	0	0	0	0	0	0	0	0	65	3
04:00	0	75	15	0	2	0	0	0	0	0	0	0	0	92	2
05:00	0	166	41	0	8	1	0	2	0	0	0	0	0	218	11
06:00	1	364	96	0	11	0	0	3	1	0	0	0	0	476	15
07:00	0	539	183	1	17	1	0	7	0	0	0	0	0	748	26
08:00	4	678	174	3	25	7	0	6	1	1	0	1	1	901	45
09:00	1	548	148	3	8	6	0	3	1	0	0	0	0	718	21
10:00	2	525	118	0	16	2	0	2	0	1	0	0	0	666	21
11:00	0	516	127	4	16	2	0	5	2	1	0	0	0	673	30
12 PM	3	624	145	2	20	1	0	4	1	0	0	1	0	801	29
13:00	3	616	113	4	17	6	0	2	0	0	0	1	0	762	30
14:00	1	666	146	1	17	8	0	4	0	1	0	0	0	844	31
15:00	10	745	155	3	17	5	1	11	1	0	1	0	1	950	40
16:00	5	834	141	1	18	3	0	13	1	1	0	1	1	1019	39
17:00	5	895	132	0	16	3	0	6	0	1	0	0	1	1059	27
18:00	4	640	98	0	11	3	0	1	1	0	1	0	0	759	17
19:00	0	511	87	0	9	1	0	2	0	0	0	0	0	610	12
20:00	3	356	52	0	1	0	0	0	0	0	0	0	0	412	1
21:00	1	251	26	0	2	0	0	1	0	0	1	0	0	282	4
22:00	0	172	15	0	1	0	0	0	0	0	0	0	0	188	1
23:00	0	103	8	0	1	0	0	0	0	0	0	0	0	112	1
Total	43	9957	2039	23	243	49	1	72	9	6	3	4	4	12453	414
Percent	0.3%	80.0%	16.4%	0.2%	2.0%	0.4%	0.0%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%		3.3%
AM Peak	08:00	08:00	07:00	11:00	08:00	08:00		07:00	11:00	08:00		08:00	08:00	08:00	08:00
Vol.	4	678	183	4	25	7		7	2	1		1	1	901	45
PM Peak	15:00	17:00	15:00	13:00	12:00	14:00	15:00	16:00	12:00	14:00	15:00	12:00	15:00	17:00	15:00
Vol.	10	895	155	4	20	8	1	13	1	1	1	1	1	1059	40

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

Community: Pembroke
 Com #_U/RFC: 231_U6
 Recorder #: Jamar #8
 Tube Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 02-Dec-09
 Date End: 03-Dec-09
 Oak St, south of Church St (139)

SB, 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				
12/03/09	0	63	7	0	0	0	0	0	0	0	0	0	0	70	0				
01:00	0	20	4	0	0	0	0	0	0	0	0	0	0	24	0				
02:00	0	20	0	2	1	1	0	0	0	0	0	0	0	24	4				
03:00	0	40	5	0	2	0	0	0	0	0	0	0	0	47	2				
04:00	0	93	11	0	3	1	0	0	0	0	0	0	0	108	4				
05:00	0	158	43	0	4	4	0	0	0	0	0	0	0	209	8				
06:00	2	341	81	2	14	4	0	0	0	0	0	0	0	444	20				
07:00	3	497	147	1	14	2	0	6	2	1	0	0	0	673	26				
08:00	1	696	142	6	20	5	0	3	1	0	0	2	0	876	37				
09:00	1	570	171	2	29	5	0	6	0	0	0	0	0	784	42				
10:00	3	559	127	1	17	0	0	7	0	0	0	2	0	716	27				
11:00	3	553	117	2	22	6	0	4	1	0	1	1	0	710	37				
12 PM	7	680	146	3	22	1	0	3	2	0	0	0	0	864	31				
13:00	4	651	125	2	18	3	0	6	0	0	0	1	0	810	30				
14:00	1	683	132	1	17	7	0	7	0	0	1	0	1	850	34				
15:00	4	692	157	6	12	2	0	5	0	0	0	0	0	878	25				
16:00	5	761	155	0	22	1	0	2	2	1	0	1	0	950	29				
17:00	6	874	130	0	10	3	1	7	1	0	0	0	0	1032	22				
18:00	4	772	125	1	6	1	0	3	0	0	0	0	0	912	11				
19:00	0	589	68	0	3	0	0	0	0	0	0	0	0	660	3				
20:00	0	376	50	0	2	0	0	0	0	1	0	0	0	429	3				
21:00	1	312	32	0	3	0	0	0	0	0	0	0	0	348	3				
22:00	0	164	13	0	4	0	0	0	0	0	0	0	0	181	4				
23:00	1	114	18	0	3	1	0	1	0	0	0	0	0	138	5				
Total	46	10278	2006	29	248	47	1	60	9	3	2	7	1	12737	407				
Percent	0.4%	80.7%	15.7%	0.2%	1.9%	0.4%	0.0%	0.5%	0.1%	0.0%	0.0%	0.1%	0.0%		3.2%				
AM Peak	07:00	08:00	09:00	08:00	09:00	11:00		10:00	07:00	07:00	11:00	08:00		08:00	09:00				
Vol.	3	696	171	6	29	6		7	2	1	1	2		876	42				
PM Peak	12:00	17:00	15:00	15:00	12:00	14:00	17:00	14:00	12:00	16:00	14:00	13:00	14:00	17:00	14:00				
Vol.	7	874	157	6	22	7	1	7	2	1	1	1	1	1032	34				
Grand Total	89	20235	4045	52	491	96	2	132	18	9	5	11	5	25190	821				
Percent	0.4%	80.3%	16.1%	0.2%	1.9%	0.4%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		3.3%				