

Old Colony Planning Council

Lee Hartmann
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October 6, 2015

Mr. Edwin J. Thorne, Town Administrator
Town of Pembroke
100 Center Street
Pembroke, MA 02359

RE: Road Safety Audit of Plain Street at Lake Street

Dear Mr. Thorne,

Per the Town's request, through the Old Colony Planning Council's Local Highway Transportation Planning Technical Assistance Program, OCPC has completed a Road Safety Audit for the intersection of Plain Street at Lake Street. Please find enclosed the final report for the Road Safety Audit which contains findings and recommendations from the Audit along with all accompanying traffic data and analysis.

If you have any questions, or if any additional information is needed, please contact Bill McNulty at 508.583.1833 x207 or wmcnulty@ocpcrpa.org.

Sincerely,



Charles Kilmer, AICP
Assistant Director / Transportation Program Manager

Cc:

Chief Richard Wall, Pembroke Police Department
Mr. Eugene B. Fulmine, Jr., Director, Pembroke Department of Public Works
Mr. Daniel Trabucco, Alternate Delegate, Old Colony Planning Council
Ms. Pamela Haznar, P.E., MassDOT District 5
Ms. Shannon Greenwell, MassDOT Office of Transportation Planning

Enclosures:

Road Safety Audit – Plain Street and Lake Street

Road Safety Audit

Plain Street at Lake Street

Pembroke, Massachusetts

October 2015

Prepared For:
Town of Pembroke

Prepared By:
Old Colony Planning Council
70 School Street
Brockton, MA. 02301



Prepared under MassDOT
Contract 69649 and 88826

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Updated February 2015

Old Colony Planning Council

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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.

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Introduction and Background

This Road Safety Audit for the intersection of Plain Street at Lake Street in Pembroke, Massachusetts was conducted per request of the Town of Pembroke as a follow-up to a 2013 traffic study of the intersection. The 2013 traffic study found the intersection had a history of serious crashes, including a fatal crash. The study also found that the intersection had a crash rate elevated well above the average for similar intersections.

A Road Safety Audit is intended to identify potential safety improvements that can be implemented and included as part of the design for and future improvements or reconstruction of the intersections. The short-term low-cost potential improvements could be considered by the responsible agency (the Town of Pembroke) for immediate implementation prior to implementation of longer-term, higher-cost improvements that require further planning and design, such as reconstruction.

Project Location Description

The intersection of Plain Street at Lake Street is the junction of two two-lane minor arterial roadways. It is controlled by stop signs on the Lake Street approaches. The average daily traffic volume entering the intersection in October 2013 was recorded as 4,851 vehicles. Figure 1 shows the focus area of the road safety audit in relation to the surrounding area, while Figure 2 provides a more detailed aerial photo of the intersection.

The intersection is located in a primarily residential area of Pembroke. A small business is located on the southeast corner of the intersection. Field observation and analysis of traffic and crash data both indicate that traffic at the driveways for the business do not interfere with traffic operations. A school bus storage facility located adjacent to the intersection on the southwest corner results in a large volume of busses traveling through this intersection on weekdays.

Three schools (Pembroke High, Pembroke Community Middle School, and Hobomock Elementary School) are located in relative close proximity to the intersection. The timing of many of the reported crashes at the intersection coincides with surges in traffic related to afternoon school dismissal.

Figure 1: Study Area Locus Map

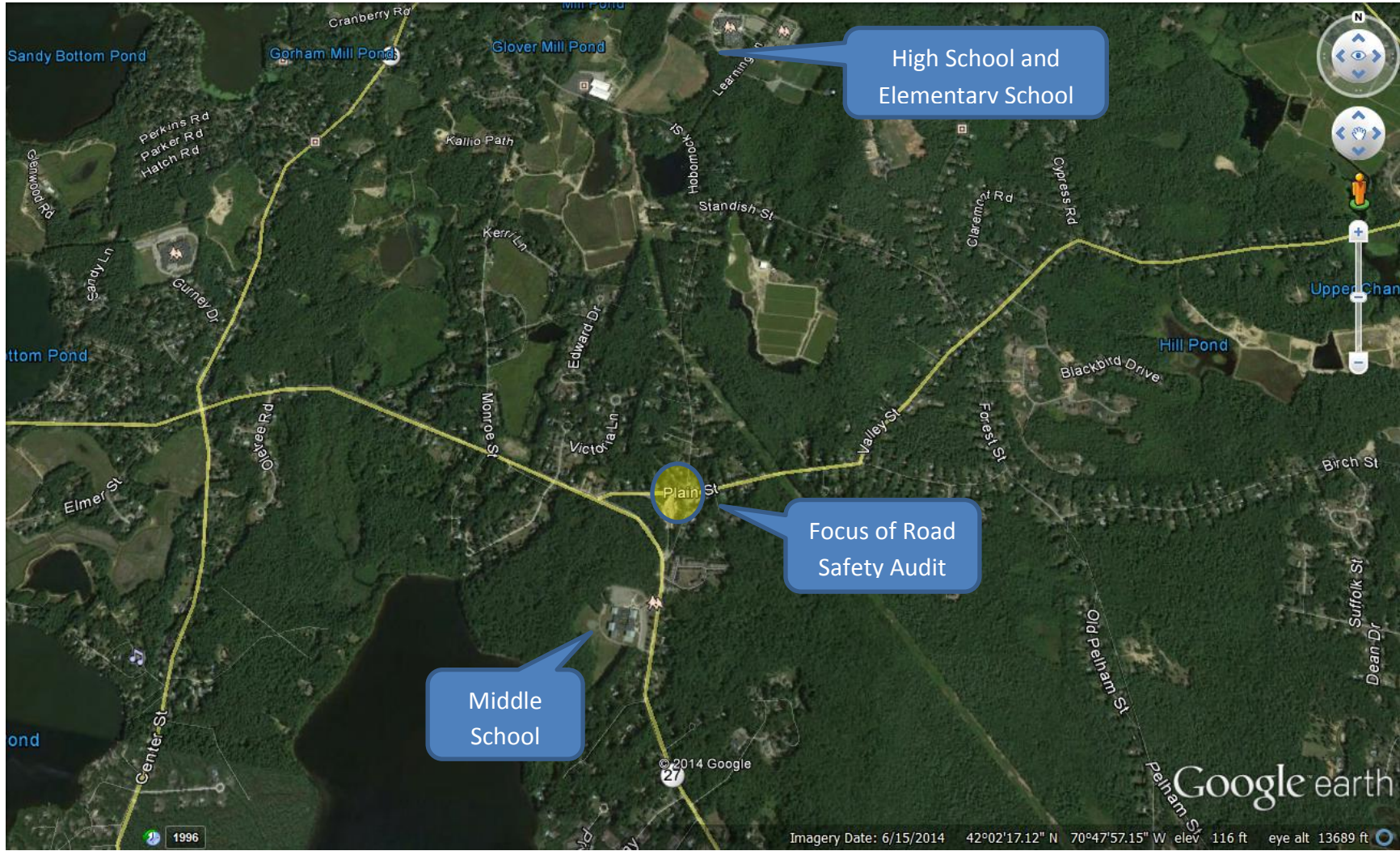


Figure 2: Aerial Image of Plain Street at Lake Street



Project Data

The data in Table 1 summarizes the traffic data that was collected in October 2013 using automatic traffic recorders on the approaches to the intersection. The prevailing speeds on all four approaches to the intersection were above the posted speed limits for the roadways.

Table 1: Traffic Data by Approach

DATE	LOCATION	ADT	SPEED LIMIT	AVG SPEED	85% SPEED	10 MPH PACE SPEED	% HEAVY VEHICLES
10/8/2013	Plain Street, east of Lake Street						
	Eastbound	1,456	30 MPH	34 MPH	39 MPH	31 - 40 MPH	7.30%
	Westbound	1,480	30 MPH	37 MPH	43 MPH	34 - 43 MPH	17.30%
	Total	2,936	30 MPH	36 MPH	41 MPH	33 - 42 MPH	12.30%
10/8/2013	Plain Street, west of Lake Street						
	Eastbound	1,277	30 MPH	30 MPH	35 MPH	37 - 46 MPH	7.60%
	Westbound	1,278	30 MPH	34 MPH	38 MPH	31 - 40 MPH	6.20%
	Total	2,555	30 MPH	32 MPH	37 MPH	29 - 38 MPH	6.90%
10/8/2013	Lake Street, north of Plain Street						
	Northbound	1,044	25 MPH	30 MPH	35 MPH	27 - 36 MPH	10.60%
	Southbound	1,079	25 MPH	32 MPH	37 MPH	29 - 38 MPH	7.80%
	Total	2,123	25 MPH	31 MPH	36 MPH	28 - 37 MPH	9.20%
10/8/2013	Lake Street, south of Plain Street						
	Northbound	1,015	25 MPH	27 MPH	34 MPH	26 - 35 MPH	13.80%
	Southbound	942	25 MPH	32 MPH	37 MPH	29 - 38 MPH	12.90%
	Total	1,957	25 MPH	29 MPH	35 MPH	27 - 36 MPH	13.40%

Level of Service

Table 2 summarizes existing levels of service, along with projected levels of service based on no-build and a roundabout build scenario. Traffic volumes at the intersection are relatively light, with only moderate delays experienced by drivers on the Lake Street approaches during the morning peak demand hour. Minor queues and delays were also observed during the early-to mid-afternoon immediately following school dismissal for the high school and middle school.

Table 2: Level of Service

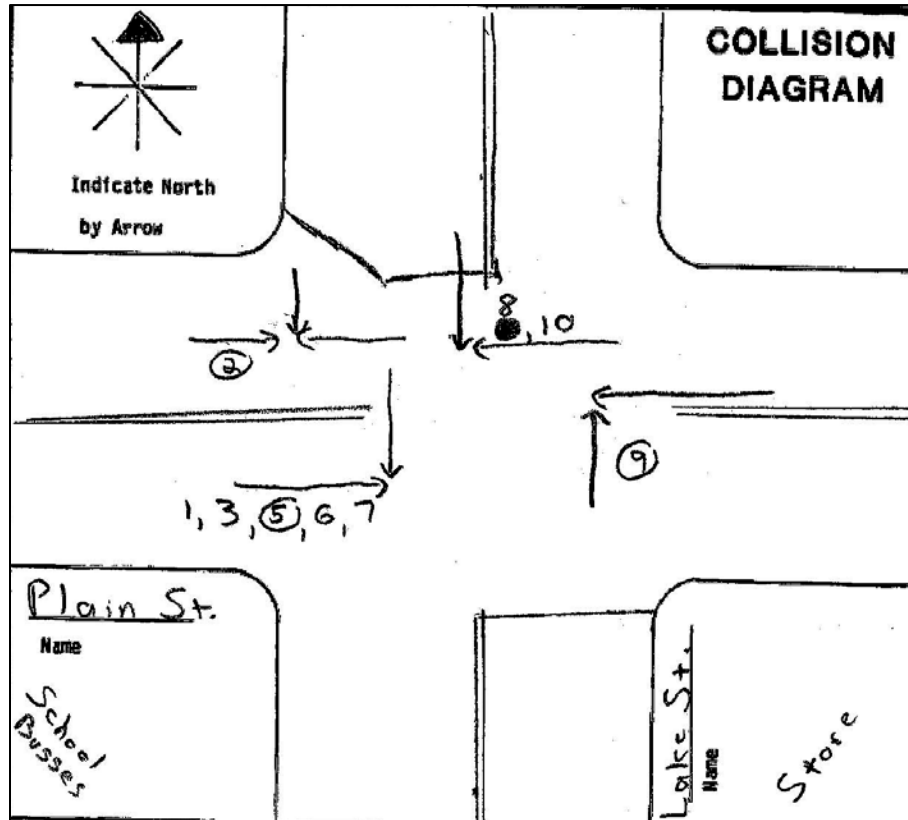
		2013 Existing			Forecast 2018 LOS No Build			Forecast 2018 LOS w/ Roundabout		
		Volume	Delay	LOS	Volume	Delay	LOS	Volume	Delay	LOS
Lake Street	AM Peak (7:00-8:00)	134	23.6	C	141	26.8	D	141	9.5	A
Northbound	PM Peak (4:45-5:45)	92	12.5	B	97	12.8	B	97	5.1	A
Lake Street	AM Peak (7:00-8:00)	91	16.5	C	96	17.7	C	96	7.6	A
Southbound	PM Peak (4:45-5:45)	124	13.3	B	130	13.7	B	130	5.2	A
Plain Street	AM Peak (7:00-8:00)	98	2.1	-	103	2.1	-	103	9.5	A
Eastbound	PM Peak (4:45-5:45)	155	0.8	-	163	0.8	-	163	5.7	A
Plain Street	AM Peak (7:00-8:00)	191	1.7	-	201	1.7	-	201	8.9	A
Westbound	PM Peak (4:45-5:45)	135	1.1	-	143	1.1	-	143	5.2	A
Intersection LOS	AM Peak (7:00-8:00)	514	11.7	-	541	13.0	-	541	9.0	A
	PM Peak (4:45-5:45)	506	8.1	-	533	6.3	-	533	5.3	A
<i>LOS only applied to STOP controlled approaches for un-signalized intersections</i> <i>Delay given in average seconds of delay per entering vehicle</i> <i>2018 volume estimated based on 1% annual growth</i>										

Crash Data and Analysis

According to records from the Massachusetts Department of Transportation (MassDOT) and the Pembroke Police Department, there were eighteen (18) crashes reported at the intersection between January 1, 2010 and October 21, 2014. Based on this crash data and turning movement count data collected in October 2013, the intersection has a crash rate of 1.79 crashes per million entering vehicles (MEV). The crash rate is more than three times above the average crash rate of 0.58/MEV for un-signalized intersections in the MassDOT District Five region (southeastern Massachusetts). There was one reported fatal crash in the time period surveyed, occurring on January 2, 2011.

Further analysis of the crash data revealed that many of the crashes were occurring between 2:00 PM and 4:00 PM, which coincides with school dismissal times. Nearly all of the crashes analyzed (those crashes for which detailed reports were available) involved a vehicle traveling on the southbound approach, and the majority of those crashes were collisions between southbound and eastbound vehicles. The southbound approach was observed to have the greatest visibility challenges of all four approaches analyzed. Curvature of Plain Street and roadside vegetation obscure sight lines. Furthermore, when two vehicles are side-by-side (due to the very wide, flared approach) at the southbound STOP line, the driver of the vehicle wishing to travel straight or turn left cannot see the eastbound approach of Plain Street due to the vehicle on the right. Figure 3 contains a collision diagram for crashes that occurred between January 1, 2008 and December 31, 2012.

Figure 3: Collision Diagram



Traffic Signal and Multiway Stop Control Warrant Analyses

A traffic signal warrant analysis and a multi-way stop warrant analysis were prepared for this location. Based on criteria outlined in the 2009 *Manual on Uniform Traffic Control Devices (MUTCD)*, existing conditions at the intersection do not warrant the installation of traffic signals or a four-way stop.

The Audit

The audit team conducted a Road Safety Audit for the intersection of Plain Street at Lake Street on Thursday, October 23, 2014. The RSA agenda appears in Appendix A. Table 3 lists the audit team members and their affiliations.

Table 3: Participating Audit Team Members

Audit Team Member	Agency/Affiliation
Bill McNulty	Old Colony Planning Council
Jed Cornock	Old Colony Planning Council
Eugene B. Fulmine, Jr.	Pembroke DPW
Scott Glauben	Pembroke DPW
Ed Throne	Pembroke Town Administrator
Lew Stone	Pembroke Board of Selectmen
Chief Jim Neenan	Pembroke Fire Department
Chief Richard Wall	Pembroke Police Department
Elaine Crudup	First Student
Vivekanand Patel	Abutter – Owner of Country Corner Store
David Carey	Representing Mr. Patel
Thomas Rebello	MassDOT District 5 – Traffic Operations
Corey O’Connor	MassDOT Traffic Safety
Promise Otaluka	Federal Highway Administration

Road Safety Audit Observations and Potential Enhancements

Based on observations and discussions made by the Road Safety Audit Team on October 23, 2014, the team determined that the intersection of Plain Street at Lake Street has the following issues that affect safety:

1. Sight Distance
2. Wide Turning Radii
3. Speed
4. Driver Confusion
5. Drivers failing to Stop at Stop Signs
6. Pavement Conditions
7. Adjacent Street Parking
8. Signage
9. Exposed Pedestrians and Bicyclists

The following sections describe in more detail the safety issues and potential enhancements identified during the RSA. Potential improvement may require further study and engineering judgment to determine the feasibility of implementing enhancements to address them.

Safety Issue #1: Sight Distance

Observations:

While obstructions to sight distance were observed from both approaches of Lake Street, the most severe sight distance limitations were observed from the southbound approach of Lake Street. Sight distance between Lake Street and Plain Street is limited or obstructed due to the following factors:

- Curvature of Plain Street
- Roadside vegetation, and shadows from tree canopy
- Utility poles on the southeast and northwest corners
- Vehicles parked on the southwest corner of the intersection (school bus drivers)
- Side-by-side queuing of vehicles on Lake street southbound approach (driver on the left cannot see traffic coming from the west; driver on the right cannot see traffic coming from the east)

Figure 4: Photo showing view from Intersection Looking North



Figure 4: Curvature of the Plain Street, vegetation and tree canopy, and utility pole on corner inhibit sight lines to and from the northern leg of Plain Street

Potential Enhancements:

1. Trim roadside vegetation and tree canopies as much as right-of-way and town ordinances will permit. Work with property owners regarding relocation of trees/shrubs that may be blocking sight distances.
2. Prevent side-by-side queuing of vehicles by reducing turn radii and approach width of the Lake Street southbound approach.
3. Reconstruct the intersection as a roundabout to mitigate sight distance and speed challenges.

Safety Issue #2: Wide Turning Radii

Observations:

The current design of the intersection includes flared corners on the northwest and southwest corners that create wide turning radii from the Lake Street southbound and Plain Street eastbound approaches. While helpful for accommodating turns by larger vehicles (particularly school buses), these flared corners also create the following safety challenges:

- Some drivers turning right from Plain Street eastbound onto Lake Street southbound make turn at high rate of speed.
- Some drivers turning right from Lake Street southbound onto Plain Street westbound make turn at high rate of speed, failing to stop at STOP sign and stop line.
- Wide Lake Street approach allows for two vehicles to queue at STOP sign/line side-by-side, creating sight distance obstructions.

Potential Enhancements:

1. Reduce radii of corners (specifically the northwest and southwest corners) with the use of curbing and fill
2. Reconstruct intersection as a roundabout, which would channelize entering traffic and force traffic to reduce speeds and yield

Safety Issue #3: Speed

Observations:

Recorded travel speeds of vehicles counted by the automatic traffic recorders, along with field observation and manual spot speed analysis indicated many drivers are operating at speeds in excess of the speed limit on each approach to the intersection. Plain Street, by way of its connection with Valley Street, serves as a connector between Route 27 and Route 53, resulting in high travel speeds by some drivers making that connection. Speeds on Lake Street may be a factor in drivers coming up on the intersection with Plain Street too fast.

Potential Enhancements:

1. Replace all posted speed limit signs.
2. Use of speed trailers (mobile radar units that display drivers speed in relation to speed limit).
3. Regular and strict speed enforcement by law enforcement.
4. Installation of flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches.
5. Reconstruct intersection as a roundabout.

Safety Issue #4: Driver Confusion

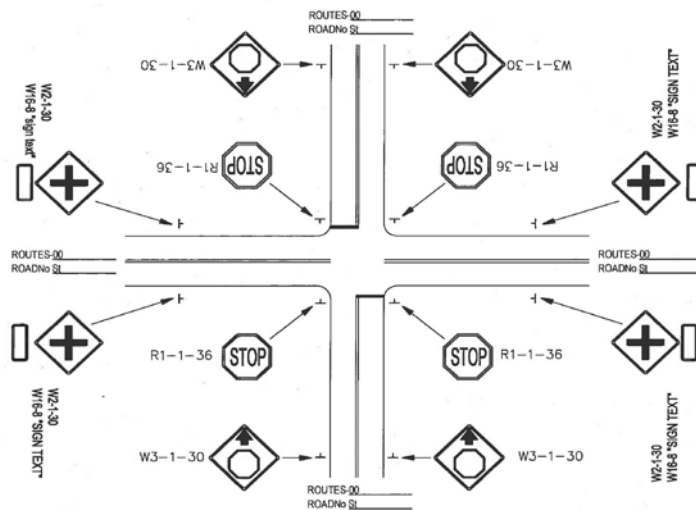
Observations:

A combination of factors appears to be contributing to driver confusion at the intersection. The curvature of Plain Street and the location of the stop lines for Lake Street create a situation where stopped vehicles on the Lake Street approaches, particularly the Lake Street southbound approach, appear to be in the Plain Street travel lanes. Further contributing to this situation is the fact that drivers on the southbound approach of Lake Street must “creep out” into Plain Street see approaching traffic. During site visits by staff and also during the road safety audit, drivers on Plain Street were observed slowing to nearly a complete stop, apparently due to confusion by the drivers on traffic control and right of way at the intersection.

Potential Enhancements:

1. Clearing of roadside vegetation and other obstacles to improve sight lines.
2. Improved MUTCD compliant “Intersection Ahead” warning signage for Plain Street, placed on each side of both approaches.
3. Installation of flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches.
4. Reconstruct intersection as a roundabout.

Figure 5: Typical Signage Plan for Four-Way Intersection



Safety Issue #5: Failing to Stop at Stop Signs and “Rolling Stops”

Observations:

Analysis of crash data, testimony of nearby residents, and field observation all indicate that several drivers fail to stop at the stop signs on Lake Street, or perform a “rolling stop” where they slow down to a low speed, look, and then proceed without stopping. During field observation, it was noted several drivers proceeded to turn right from Lake Street southbound onto Plain Street westbound without stopping. Several factors may be responsible for failing to stop, including but not limited to:

- Insufficient advanced warning of intersection stop signs
- Drivers fail to notice stop sign due to its location
- Wide turning radii
- Drivers speeding on Lake Street
- Poor sight lines (“If I stop where the stop sign is, then I can’t see traffic”)
- Driver complacency (“I go through there all the time and there’s never anybody there”)

Potential Enhancements:

1. Improved signage, including:
 - MUTCD compliant “STOP Ahead” (W3-1-30) warning signage for Lake Street, placed on each side of both approaches.
 - Replace STOP signs with oversized, retroreflective signage (R1-1-36).
 - Use retroreflective striping on STOP sign posts.
2. Reduce radii of corners (specifically the northwest and southwest corners) with the use of curbing and fill. In doing so, STOP sign for Lake Street southbound could be moved more into the line of sight for approaching Lake Street traffic.
3. Installation of flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches.
4. Reconstruct intersection as a roundabout.

Safety Issue #6: Pavement Conditions

Observations:

Pavement deterioration was noted in several spots on all four approaches to the intersection. Observed pavement distress included longitudinal cracking, fatigue (“alligator”) cracking, block cracking, and rutting. Pavement distress can cause safety issues, including ponding and poor drainage and, in severe cases, loss of control of vehicle by a driver.

Figure 6: Photos show pavement distress on approaches to intersection



Potential Enhancements:

1. Repair cracking with crack sealing.
2. Resurface and/or reconstruct roadways.

Safety Issue #7: Adjacent Street Parking

Observations:

School bus drivers were observed parking their personal vehicles along Plain Street, and on the southwest corner of the intersection. The location of the parked vehicles obstructs sight lines.

Potential Enhancements:

1. Work with the school department and transportation company so that all school bus drivers park their personal vehicles within the school bus storage yard.

Safety Issue #8: Signage

Observations:

Outdated signage, along with weathered and defaced signage, was observed along the approaches to the intersection. There was also a lack of advance warning intersection and "stop ahead" signage on Lake Street.

Figure 7: Photos of Existing, Non-MUTCD Compliant and Defaced Signage



Potential Enhancements:

1. Replace STOP signs with oversized, retroreflective signs.
2. Install MUTCD compliant "STOP Ahead" signage (MUTCD sign W3-1) on both sides of the roadway, on each approach of Lake Street.
3. Replace existing Intersection Warning signs and "Dangerous Intersection" signs on Plain Street with new retroreflective Intersection Warning signs (MUTCD sign W2-1) with supplemental "Lake Street" plaque below (MUTCD sign W16-8P).
4. Replace Speed Limit signs.

Safety Issue #9: Exposed Pedestrians and Bicyclists

Observations:

The absence of sidewalks and either bike lanes or bicycle accommodating shoulders forces pedestrians and bicyclists to use the roadway, exposing pedestrians and bicyclists to motor vehicle traffic.

Potential Enhancements:

1. Construct sidewalks.
2. Consider the used of “Share The Road” signage and shared-lane pavement markings (“sharrows”) to inform both drivers and bicycles that they are to use the same travel lanes.

Recommendations

Based on its review of data, on-site field observations, and group discussion, the Road Safety Audit team identified the following possible enhancements that could improve safety at the intersection of Plain Street at Lake Street. Further study and design work will need to be conducted to determine the feasibility or making some of the improvements, such as reconstructing the intersection as a roundabout.

Table 4 summarizes the safety issues and possible enhancements. Both Plain Street and Lake Street are owned and maintained by the Town of Pembroke, and the Town is the responsible agency for the design and implementation of any improvements at these intersections.

Potential short-term / lower-cost enhancements include, but are not limited to:

- Increased traffic patrols along with strict speed and stop sign enforcement by law enforcement.
 - Use of mobile trailer-mounted radar display units (“speed trailers”)
- Clear roadside vegetation, and trim tree canopies overhanging the right of way.
- Replace STOP signs with oversized, retroreflective signs (MUTCD sign R1-1).
- Install MUTCD compliant “STOP Ahead” signage (MUTCD sign W3-1) on both sides of the roadway, on each approach of Lake Street.
- Replace existing Intersection Warning signs and “Dangerous Intersection” signs on Plain Street with new, retroreflective Intersection Warning signs (MUTCD sign W2-1) with supplemental “Lake Street” plaque below (MUTCD sign W16-8P).
- Replace Speed Limit signs (MUTCD Sign R2-1).
- Instruct all school bus drivers to park within school bus yard.
- Reduce radii of corners with curbing and fill.
- Repair pavement distress with crack sealing and patching.
- Paint shared-use arrows (“Sharrows”) and posed “Share The Road” signage.

Potential long-term / higher-cost enhancements include, but are not limited to:

- Installation of overhead flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches.
- Relocation of utility poles that obstruct sight lines.
- Construction of sidewalks.
- Resurfacing and/or reconstruction to address pavement deterioration.
- Reconstruct intersection as a roundabout.

Table 4: Summary of Safety Issues Identified and Potential Enhancements

Issues Identified	Potential Improvements / Count measures	
	Lower Cost / Short-Term	Higher Cost / Long Term
Schools are located close to intersection, and timing of many of the intersection's crashes coincides with timing of afternoon dismissal for schools	<ul style="list-style-type: none"> Increased traffic patrols by law enforcement 	
Curvature of Plain Street, roadside vegetation, and other roadside objects creates hindrance to sight lines and sight distance	<ul style="list-style-type: none"> Clear roadside vegetation, and trim tree canopies overhanging the right of way 	<ul style="list-style-type: none"> Relocation of utility poles
Outdated traffic/roadway signage	<ul style="list-style-type: none"> Replace STOP signs with oversized, retroreflective signs Install MUTCD compliant "STOP Ahead" signage (MUTCD sign W3-1) on both sides of the roadway, on each approach of Lake Street Replace existing Intersection Warning signs and "Dangerous Intersection" signs on Plain Street with new, retroreflective Intersection Warning signs (MUTCD sign W2-1) with supplemental "Lake Street" plaque below (MUTCD sign W16-8P) Replace Speed Limit signs 	
Drivers failing to stop at STOP signs / "Rolling Stops"	<ul style="list-style-type: none"> Increase awareness of STOP signs with "STOP Ahead" advanced warning signage Reduce approach width (reduction of flared right turn) on southbound approach of Lake Street to bring STOP sign into line of sight for approaching vehicles Use of oversized STOP signs Reflective striping on STOP sign posts Increased traffic patrols by law enforcement 	<ul style="list-style-type: none"> Installation of overhead flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches Reconstruct intersection as a roundabout
High travel speeds	<ul style="list-style-type: none"> Increased traffic patrols by law enforcement Use of "speed trailers" Replacement of speed limit signs 	<ul style="list-style-type: none"> Installation of overhead flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches
Driver confusion	<ul style="list-style-type: none"> Improve sight lines by clearing vegetation and removal / relocation of other objects obstructing sight lines Improved advanced warning signage 	<ul style="list-style-type: none"> Installation of overhead flashing YELLOW beacons for Plain Street approaches and RED beacons for Lake Street approaches Reconstruct intersection as a roundabout
School bus drivers park on southwest corner of intersection, creating hindrance to sight lines	<ul style="list-style-type: none"> Instruct all school bus drivers to park within school bus yard 	
Wide, flared corners on southwest and northwest corners of intersection allowing drivers to make right turns at high rates of speed	<ul style="list-style-type: none"> Reduce radii of corners with curbing and fill 	<ul style="list-style-type: none"> Reconstruct intersection as a roundabout
Pavement in poor condition	<ul style="list-style-type: none"> Patching / crack-sealing / 	<ul style="list-style-type: none"> Roadway resurfacing Roadway reconstruction
Lack of sidewalks		<ul style="list-style-type: none"> Construct sidewalks
Lack of bicycle infrastructure	<ul style="list-style-type: none"> Painted shared-use arrows ("Sharrows") and posed "Share The Road" signage 	<ul style="list-style-type: none"> Roadway widening to provide bicycle accommodating shoulders

Appendix A
Road Safety Audit Meeting Agenda

Agenda

Road Safety Audit

Pembroke, MA

Plain Street at Lake Street

Meeting Location: Pembroke Water Department Office

91 Glenwood Road, Pembroke, MA 02359

Thursday, October 23, 2014

10:00 AM – 12:00 PM

Type of meeting:	Road Safety Audit
Attendees:	Invited Participants to Comprise a Multidisciplinary Team
Please bring:	Thoughts and Enthusiasm!!
10:00 AM	Welcome and Introductions
10:15 AM	Discussion of Safety Issues <ul style="list-style-type: none">• Crash History, Speed & Volume Summaries– provided in advance• Traffic Control, Existing Geometries, Sight Distances, and Physical Conditions
11:00 AM	Site Visit <ul style="list-style-type: none">• Drive to/through the intersection of Plain Street and Lake Street• As a group, identify areas for improvement
11:30 AM	Discussion of Potential Improvements <ul style="list-style-type: none">• Discuss observations and finalize safety issue areas• Discuss potential improvements and finalize recommendations
12:00 PM	Adjourn for the Day – but the RSA has not ended

Instructions for Participants:

- Before attending the RSA, participants are encouraged to drive/walk through the intersection and complete/consider elements on the RSA Prompt List with a focus on safety.
- All participants will be actively involved in the process throughout. Participants are encouraged to come with thoughts and ideas, but are reminded that the synergy that develops and respect for others' opinions are key elements to the success of the overall RSA process.
- After the RSA meeting, participants will be asked to comment and respond to the document materials to assure it is reflective of the RSA completed by the multidisciplinary team.
- Please direct questions or comments regarding this RSA to Bill McNulty (OCPC) at (508) 583-1833 x207 or at wmcnulty@ocpcrpa.org.

Appendix B
Crash Data and Analysis

Crash Data Summary Table

Plain Street at Lake Street, Pembroke, MA

1/1/2008 - 10/21/2014

Crash Diagram Ref #	Month #	Crash Date <i>m/d/y</i>	Day #	Crash Day	Time #	Time of Day		Manner of Collision		Light Condition		Weather Condition		Road Surface		Driver #
								#	Type	#	Type	#	Type	#	Type	
1	3	3/30/08	7	Sunday	11	11:09 AM	4	Sideswipe, same direction	1	Daylight	1	Clear	1	Dry		
2	11	11/7/09	6	Saturday	12	12:22 PM	3	Angle	1	Daylight	1	Clear	1	Dry		
3	1	1/6/10	3	Wednesday	15	3:13 PM	3	Angle	1	Daylight	1	Clear	1	Dry		
4	4	4/9/10	5	Friday	13	1:37 PM	3	Angle	1	Daylight	3	Rain	2	Wet		
5	7	7/26/10	1	Monday	10	10:10 AM	3	Angle	1	Daylight	1	Clear	1	Dry		
6	9	9/7/10	2	Tuesday	7	7:20 AM	2	Rear-end	1	Daylight	1	Clear	1	Dry		
7	12	12/30/10	4	Thursday	18	6:53 PM	3	Angle	2	Dawn	1	Clear	1	Dry		
8	1	1/2/11	7	Sunday	15	3:33 PM	3	Angle	1	Daylight	6	Fog, Smog, Smoke	2	Wet		
9	9	9/23/12	7	Sunday	15	3:43 PM	3	Angle	1	Daylight	3	Rain	2	Wet		
10	12	12/15/12	6	Saturday	14	2:30 PM	3	Angle	1	Daylight	1	Clear	1	Dry		
	2	2/14/13	4	Thursday												
	3	3/3/13	7	Sunday												
	3	3/19/13	2	Tuesday												
	5	5/7/13	2	Tuesday												
	7	7/30/13	2	Tuesday												
	11	11/19/13	2	Tuesday												
	3	3/10/14	1	Monday												
	8	8/8/14	5	Friday												
	9	9/24/14	3	Wednesday												
	10	10/20/14	1	Monday												

*Courtesy Crash - A term used to describe a crash that occurs subsequent to a non-involved mainline driver who gives the right of way, contrary to the rules of the road, to another driver.

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNTY DATE : 10/8/2013

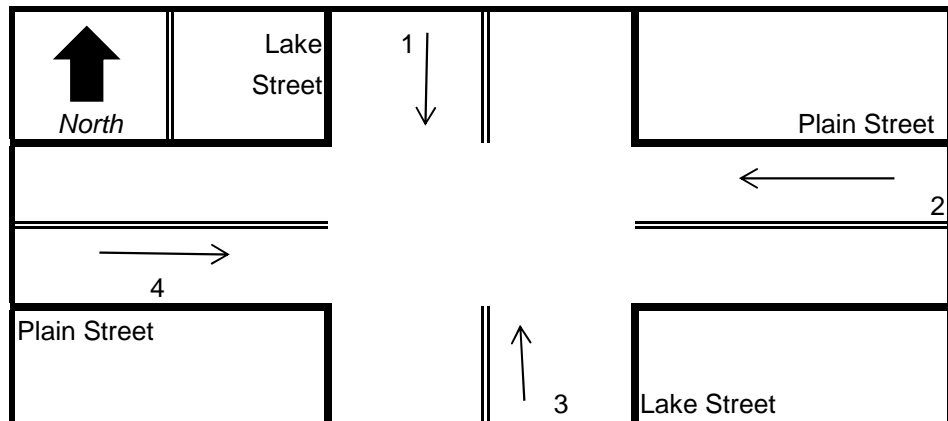
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Plain Street

MINOR STREET(S) : Lake Street

**INTERSECTION
 DIAGRAM
 (Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB	EB		
PEAK HOURLY VOLUMES (AM/PM) :	91	191	134	98		514

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

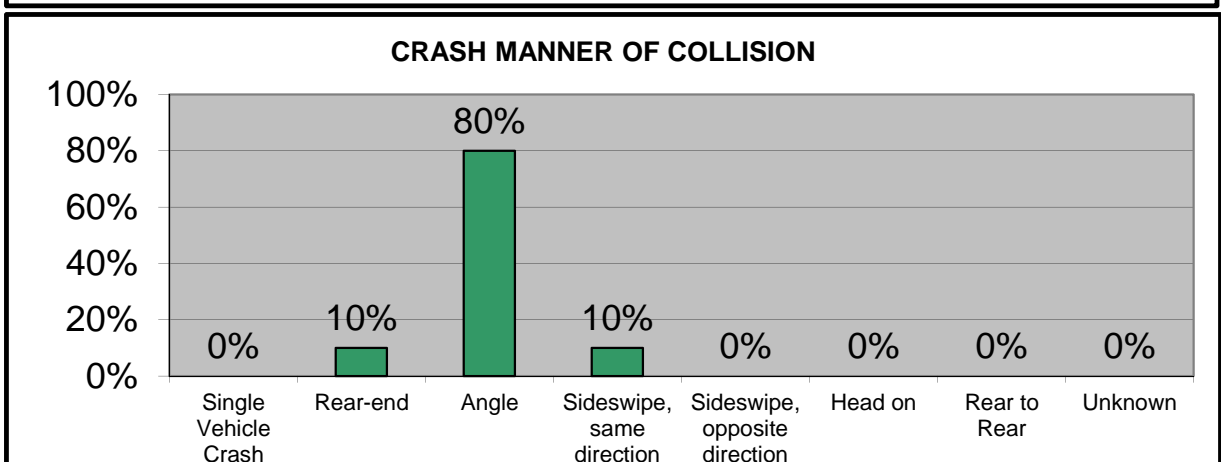
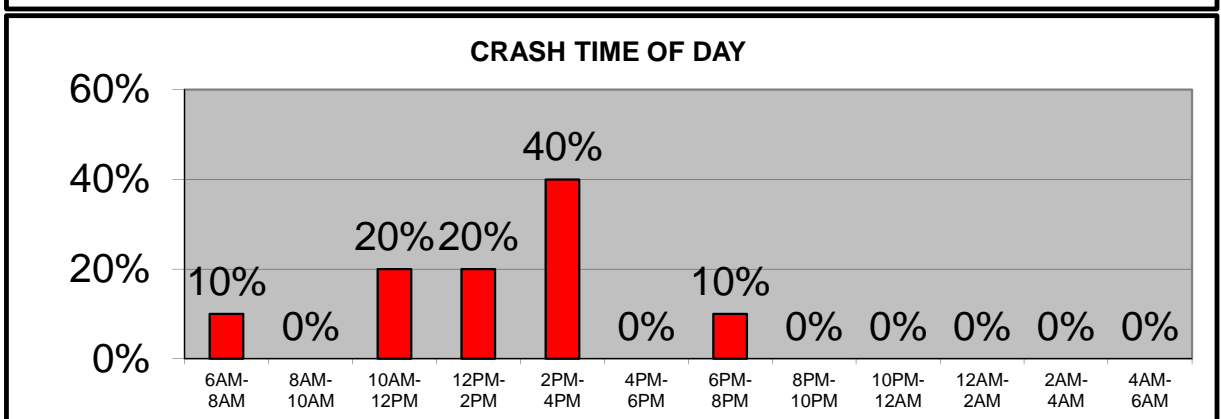
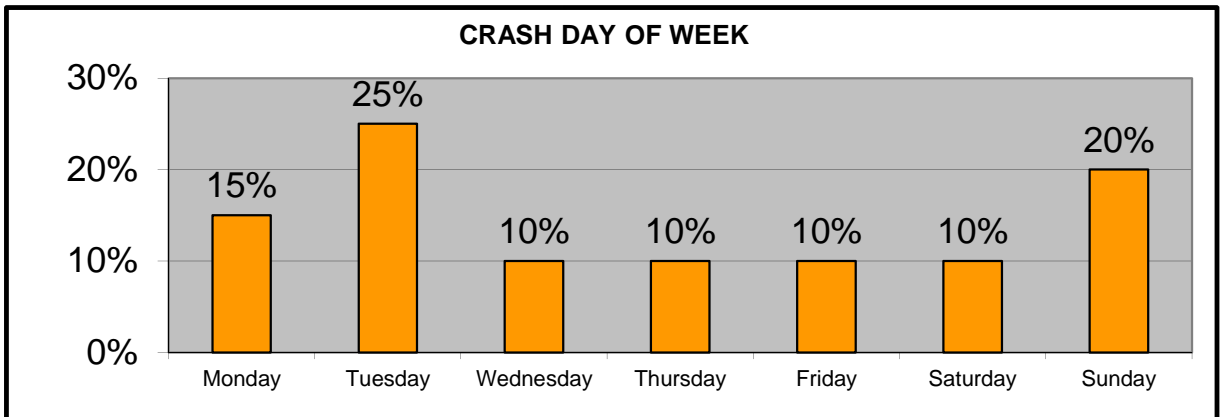
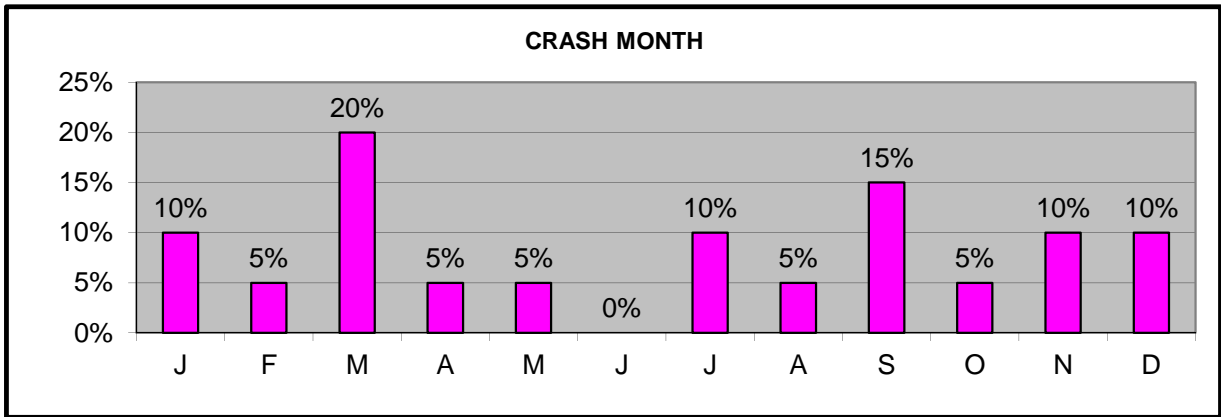
TOTAL # OF CRASHES : # OF YEARS : AVERAGE # OF CRASHES PER YEAR (A) :

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

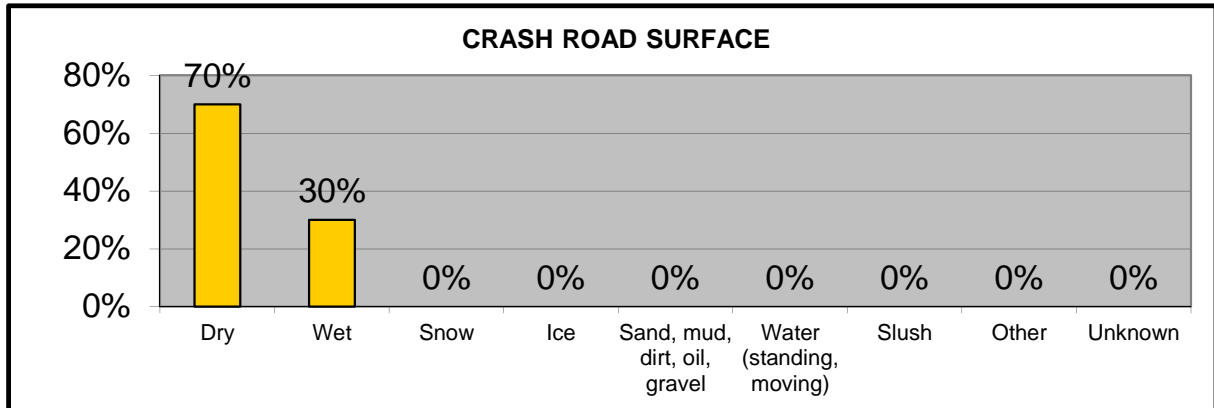
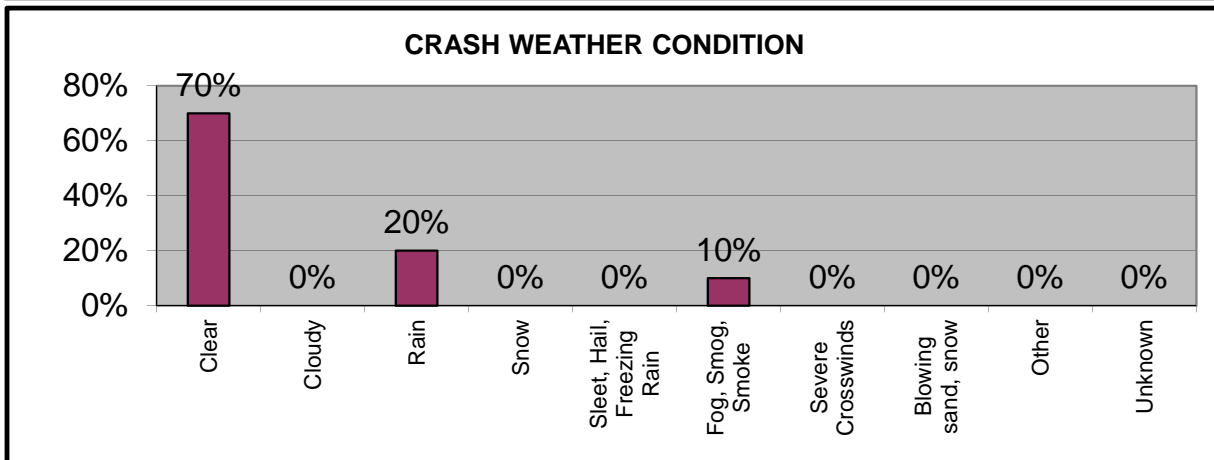
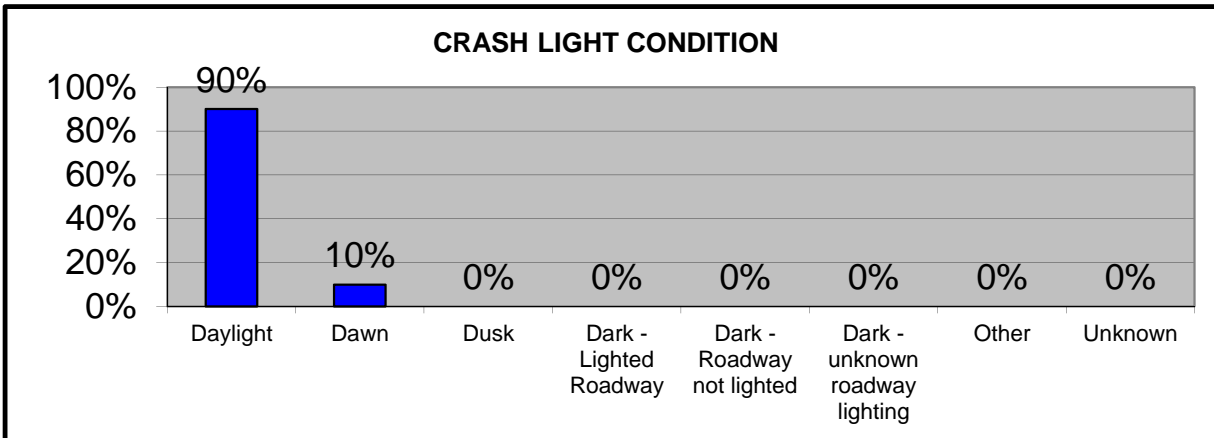
Comments : Source: Combined MassDOT & Pembroke PD Crash Data 1/1/2010-10/21/2014

Project Title & Date: Traffic Study of Plain Street at Lake Street: July 2014

Crash Data Summary Tables and Charts
Plain Street at Lake Street, Pembroke, MA



Crash Data Summary Tables and Charts
Plain Street at Lake Street, Pembroke, MA



Appendix C
Traffic Counts and Intersection Turning Movement Counts

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

Start Time	07-Oct-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	7	4	9	5	*	*	*	*	*	*	*	*	8	4
01:00	*	*	2	0	3	4	*	*	*	*	*	*	*	*	2	2
02:00	*	*	3	1	1	0	*	*	*	*	*	*	*	*	2	0
03:00	*	*	1	0	2	0	*	*	*	*	*	*	*	*	2	0
04:00	*	*	4	7	4	3	*	*	*	*	*	*	*	*	4	5
05:00	*	*	9	28	10	28	*	*	*	*	*	*	*	*	10	28
06:00	*	*	57	101	47	91	*	*	*	*	*	*	*	*	52	96
07:00	*	*	113	188	123	195	*	*	*	*	*	*	*	*	118	192
08:00	*	*	82	100	90	107	*	*	*	*	*	*	*	*	86	104
09:00	*	*	69	67	60	66	*	*	*	*	*	*	*	*	64	66
10:00	*	*	50	63	51	58	*	*	*	*	*	*	*	*	50	60
11:00	*	*	67	57	57	61	*	*	*	*	*	*	*	*	62	59
12:00 PM	*	*	70	53	66	73	*	*	*	*	*	*	*	*	68	63
01:00	*	*	76	84	70	89	*	*	*	*	*	*	*	*	73	86
02:00	*	*	114	97	73	79	*	*	*	*	*	*	*	*	94	88
03:00	*	*	137	124	130	134	*	*	*	*	*	*	*	*	134	129
04:00	*	*	139	127	121	119	*	*	*	*	*	*	*	*	130	123
05:00	*	*	161	111	161	119	*	*	*	*	*	*	*	*	161	115
06:00	*	*	121	108	152	85	*	*	*	*	*	*	*	*	136	96
07:00	*	*	80	62	66	51	*	*	*	*	*	*	*	*	73	56
08:00	*	*	51	46	55	46	*	*	*	*	*	*	*	*	53	46
09:00	*	*	33	29	37	25	*	*	*	*	*	*	*	*	35	27
10:00	*	*	31	27	23	20	*	*	*	*	*	*	*	*	27	24
11:00	*	*	12	13	12	9	*	*	*	*	*	*	*	*	12	11
Total Day	0	0	1489	1497	1423	1467	0	0	0	0	0	0	0	0	1456	1480
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	113	188	123	195	-	-	-	-	-	-	-	-	118	192
PM Peak	-	-	17:00	16:00	17:00	15:00	-	-	-	-	-	-	-	-	17:00	15:00
Vol.	-	-	161	127	161	134	-	-	-	-	-	-	-	-	161	129

Comb. Total 0 2986 2890 0 0 0 0 2936

Old Colony Planning Council
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

Start Time	08-Oct-13 Tue		EB		WB		Combined		09-Oct-13 Wed		EB		WB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	3	28	1	15	4	43	6	10	3	21	9	31				
12:15	3	15	0	10	3	25	1	20	0	20	1	40				
12:30	0	16	3	13	3	29	1	17	1	12	2	29				
12:45	1	11	0	15	1	26	1	19	1	20	2	39				
01:00	1	19	0	18	1	37	2	9	0	14	2	23				
01:15	0	13	0	24	0	37	0	20	2	19	2	39				
01:30	1	21	0	21	1	42	0	16	1	27	1	43				
01:45	0	23	0	21	0	44	1	25	1	29	2	54				
02:00	0	26	0	20	0	46	1	14	0	18	1	32				
02:15	2	28	0	19	2	47	0	16	0	21	0	37				
02:30	1	20	1	30	2	50	0	17	0	17	0	34				
02:45	0	40	0	28	0	68	0	26	0	23	0	49				
03:00	0	28	0	22	0	50	1	23	0	29	1	52				
03:15	0	30	0	28	0	58	0	33	0	28	0	61				
03:30	0	34	0	36	0	70	0	25	0	33	0	58				
03:45	1	45	0	38	1	83	1	49	0	44	1	93				
04:00	1	35	1	35	2	70	1	33	1	35	2	68				
04:15	0	38	1	30	1	68	1	29	1	22	2	51				
04:30	1	30	1	25	2	55	1	33	0	29	1	62				
04:45	2	36	4	37	6	73	1	26	1	33	2	59				
05:00	0	38	5	28	5	66	2	32	6	35	8	67				
05:15	2	47	3	37	5	84	1	45	4	33	5	78				
05:30	3	45	11	28	14	73	6	48	13	31	19	79				
05:45	4	31	9	18	13	49	1	36	5	20	6	56				
06:00	3	44	16	25	19	69	5	38	12	21	17	59				
06:15	13	18	29	36	42	54	12	38	29	24	41	62				
06:30	15	39	27	24	42	63	11	48	20	26	31	74				
06:45	26	20	29	23	55	43	19	28	30	14	49	42				
07:00	24	37	53	20	77	57	21	21	56	17	77	38				
07:15	25	18	66	21	91	39	41	17	67	10	108	27				
07:30	33	14	38	13	71	27	30	11	48	14	78	25				
07:45	31	11	31	8	62	19	31	17	24	10	55	27				
08:00	21	11	23	8	44	19	19	18	22	16	41	34				
08:15	17	15	23	20	40	35	22	18	28	15	50	33				
08:30	22	13	28	14	50	27	26	9	34	8	60	17				
08:45	22	12	26	4	48	16	23	10	23	7	46	17				
09:00	26	12	28	7	54	19	20	11	19	9	39	20				
09:15	15	9	16	9	31	18	15	12	17	9	32	21				
09:30	19	7	13	6	32	13	11	11	16	1	27	12				
09:45	9	5	10	7	19	12	14	3	14	6	28	9				
10:00	14	11	21	10	35	21	8	5	12	8	20	13				
10:15	15	5	15	8	30	13	16	5	12	2	28	7				
10:30	14	10	14	6	28	16	16	8	18	7	34	15				
10:45	7	5	13	3	20	8	11	5	16	3	27	8				
11:00	16	2	10	0	26	2	14	1	20	2	34	3				
11:15	22	5	11	9	33	14	12	5	13	3	25	8				
11:30	13	3	18	1	31	4	18	4	17	2	35	6				
11:45	16	2	18	3	34	5	13	2	11	2	24	4				
Total	464	1025	616	881	1080	1906	457	966	618	849	1075	1815				
Day Total	1489		1497		2986		1423		1467		2890					
% Total	15.5%	34.3%	20.6%	29.5%			15.8%	33.4%	21.4%	29.4%						
Peak	-	07:00	05:15	07:00	03:30	07:00	04:45	-	07:00	05:15	06:45	03:15	07:00	04:45		
Vol.	-	113	167	188	139	301	296	-	123	167	201	140	318	283		
P.H.F.		0.856	0.888	0.712	0.914	0.827	0.881		0.750	0.870	0.750	0.795	0.736	0.761		

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 Plain St, east of Lake St

Start Time	07-Oct-13 Mon	08-Oct-13 Tue	09-Oct-13 Wed	10-Oct-13 Thu	11-Oct-13 Fri	12-Oct-13 Sat	13-Oct-13 Sun	Week Average
12:00 AM	*	11	14	*	*	*	*	12
01:00	*	2	7	*	*	*	*	4
02:00	*	4	1	*	*	*	*	2
03:00	*	1	2	*	*	*	*	2
04:00	*	11	7	*	*	*	*	9
05:00	*	37	38	*	*	*	*	38
06:00	*	158	138	*	*	*	*	148
07:00	*	301	318	*	*	*	*	310
08:00	*	182	197	*	*	*	*	190
09:00	*	136	126	*	*	*	*	131
10:00	*	113	109	*	*	*	*	111
11:00	*	124	118	*	*	*	*	121
12:00 PM	*	123	139	*	*	*	*	131
01:00	*	160	159	*	*	*	*	160
02:00	*	211	152	*	*	*	*	182
03:00	*	261	264	*	*	*	*	262
04:00	*	266	240	*	*	*	*	253
05:00	*	272	280	*	*	*	*	276
06:00	*	229	237	*	*	*	*	233
07:00	*	142	117	*	*	*	*	130
08:00	*	97	101	*	*	*	*	99
09:00	*	62	62	*	*	*	*	62
10:00	*	58	43	*	*	*	*	50
11:00	*	25	21	*	*	*	*	23
Total	0	2986	2890	0	0	0	0	2939
Percentage	0.0%	101.6%	98.3%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	301	318	-	-	-	-	310
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	272	280	-	-	-	-	276

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/08/1																
3	0	0	0	2	1	2	1	1	0	0	0	0	0	0	0	7
01:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	4
05:00	0	0	0	0	3	5	1	0	0	0	0	0	0	0	0	9
06:00	1	0	1	6	18	25	5	1	0	0	0	0	0	0	0	57
07:00	4	0	0	12	38	48	9	2	0	0	0	0	0	0	0	113
08:00	1	0	0	8	33	28	11	1	0	0	0	0	0	0	0	82
09:00	3	0	3	7	22	26	8	0	0	0	0	0	0	0	0	69
10:00	0	0	0	4	19	20	5	2	0	0	0	0	0	0	0	50
11:00	1	1	0	5	17	34	8	1	0	0	0	0	0	0	0	67
12 PM	0	0	2	4	26	30	7	1	0	0	0	0	0	0	0	70
13:00	0	0	0	8	24	35	8	1	0	0	0	0	0	0	0	76
14:00	2	0	2	10	37	54	7	2	0	0	0	0	0	0	0	114
15:00	6	0	8	33	46	34	9	1	0	0	0	0	0	0	0	137
16:00	2	0	1	25	52	47	11	1	0	0	0	0	0	0	0	139
17:00	6	0	3	20	63	57	12	0	0	0	0	0	0	0	0	161
18:00	2	0	1	8	47	50	13	0	0	0	0	0	0	0	0	121
19:00	1	0	0	12	26	30	9	2	0	0	0	0	0	0	0	80
20:00	0	0	0	4	20	21	6	0	0	0	0	0	0	0	0	51
21:00	0	0	1	3	10	14	5	0	0	0	0	0	0	0	0	33
22:00	0	0	0	3	8	15	5	0	0	0	0	0	0	0	0	31
23:00	0	0	0	2	4	1	5	0	0	0	0	0	0	0	0	12
Total	29	1	22	176	516	581	147	16	1	0	0	0	0	0	0	1489

Daily
 15th Percentile : 28 MPH
 50th Percentile : 34 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 988
 Percent in Pace : 66.4%
 Number of Vehicles > 30 MPH : 1261
 Percent of Vehicles > 30 MPH : 84.7%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/09/1																
3	0	0	0	2	1	4	1	1	0	0	0	0	0	0	0	9
01:00	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
05:00	0	0	0	2	5	2	0	0	1	0	0	0	0	0	0	10
06:00	0	1	0	2	17	15	10	2	0	0	0	0	0	0	0	47
07:00	4	0	1	10	49	49	8	2	0	0	0	0	0	0	0	123
08:00	1	0	0	7	30	37	12	3	0	0	0	0	0	0	0	90
09:00	0	0	1	5	20	26	8	0	0	0	0	0	0	0	0	60
10:00	1	1	0	6	12	24	7	0	0	0	0	0	0	0	0	51
11:00	4	0	1	7	24	20	1	0	0	0	0	0	0	0	0	57
12 PM	3	2	3	9	16	25	6	0	2	0	0	0	0	0	0	66
13:00	2	0	2	3	25	30	7	1	0	0	0	0	0	0	0	70
14:00	1	0	1	8	21	32	10	0	0	0	0	0	0	0	0	73
15:00	9	2	0	8	41	57	12	1	0	0	0	0	0	0	0	130
16:00	3	0	2	14	48	45	8	1	0	0	0	0	0	0	0	121
17:00	1	2	1	8	60	74	14	1	0	0	0	0	0	0	0	161
18:00	5	1	2	15	56	57	14	1	0	0	1	0	0	0	0	152
19:00	2	0	2	1	27	28	6	0	0	0	0	0	0	0	0	66
20:00	1	0	0	4	22	20	8	0	0	0	0	0	0	0	0	55
21:00	0	0	2	6	10	10	8	1	0	0	0	0	0	0	0	37
22:00	0	0	0	1	3	13	5	1	0	0	0	0	0	0	0	23
23:00	0	0	0	3	1	3	5	0	0	0	0	0	0	0	0	12
Total	37	9	18	121	490	576	152	16	3	0	1	0	0	0	0	1423

Daily
 15th Percentile : 29 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 43 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 948
 Percent in Pace : 66.6%
 Number of Vehicles > 30 MPH : 1238
 Percent of Vehicles > 30 MPH : 87.0%

Grand Total	66	10	40	297	1006	1157	299	32	4	0	1	0	0	0	0	2912
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Overall
 15th Percentile : 29 MPH
 50th Percentile : 34 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1937
 Percent in Pace : 66.5%
 Number of Vehicles > 30 MPH : 2499
 Percent of Vehicles > 30 MPH : 85.8%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

WB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/08/1																
3	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	4	1	2	0	0	0	0	0	0	0	0	7
05:00	0	1	0	1	0	11	12	2	1	0	0	0	0	0	0	28
06:00	5	1	0	1	11	44	31	5	2	1	0	0	0	0	0	101
07:00	1	0	1	6	54	85	31	9	1	0	0	0	0	0	0	188
08:00	3	4	2	4	12	38	28	8	0	1	0	0	0	0	0	100
09:00	1	0	1	0	13	29	19	4	0	0	0	0	0	0	0	67
10:00	2	0	0	3	7	25	20	5	1	0	0	0	0	0	0	63
11:00	1	1	1	1	2	30	14	6	1	0	0	0	0	0	0	57
12 PM	0	0	0	0	4	28	15	6	0	0	0	0	0	0	0	53
13:00	0	0	1	2	23	33	21	4	0	0	0	0	0	0	0	84
14:00	3	0	1	3	21	39	26	2	2	0	0	0	0	0	0	97
15:00	4	0	3	10	45	33	27	2	0	0	0	0	0	0	0	124
16:00	2	2	0	3	32	46	38	3	1	0	0	0	0	0	0	127
17:00	4	0	0	8	23	41	28	6	1	0	0	0	0	0	0	111
18:00	0	1	0	0	20	53	30	3	1	0	0	0	0	0	0	108
19:00	2	0	0	4	11	21	18	6	0	0	0	0	0	0	0	62
20:00	0	0	1	1	11	20	11	2	0	0	0	0	0	0	0	46
21:00	0	0	0	3	4	12	7	3	0	0	0	0	0	0	0	29
22:00	0	0	0	0	4	6	15	1	0	1	0	0	0	0	0	27
23:00	0	0	0	0	3	2	5	2	0	0	0	0	0	0	1	13
Total	28	10	11	50	305	599	398	80	12	3	0	0	0	0	1	1497

Daily

15th Percentile : 31 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 34-43 MPH
 Number in Pace : 943
 Percent in Pace : 63.0%
 Number of Vehicles > 30 MPH : 1398
 Percent of Vehicles > 30 MPH : 93.4%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake St

WB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	
10/09/1															
3	0	0	0	0	0	2	2	0	1	0	0	0	0	0	5
01:00	0	0	0	0	0	3	0	1	0	0	0	0	0	0	4
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	1	1	0	0	0	0	0	0	0	0	3
05:00	1	1	0	0	5	7	7	4	3	0	0	0	0	0	28
06:00	2	0	1	1	15	37	31	3	1	0	0	0	0	0	91
07:00	2	0	2	13	35	87	48	5	3	0	0	0	0	0	195
08:00	8	1	1	2	11	46	29	9	0	0	0	0	0	0	107
09:00	0	0	1	2	14	24	15	8	2	0	0	0	0	0	66
10:00	1	0	0	1	12	23	17	4	0	0	0	0	0	0	58
11:00	2	0	2	2	19	19	14	2	1	0	0	0	0	0	61
12 PM	3	2	0	10	11	24	22	0	0	1	0	0	0	0	73
13:00	1	0	0	2	16	32	31	6	1	0	0	0	0	0	89
14:00	1	0	1	3	8	36	23	6	1	0	0	0	0	0	79
15:00	7	1	2	15	17	47	37	7	1	0	0	0	0	0	134
16:00	2	0	0	2	13	47	48	7	0	0	0	0	0	0	119
17:00	2	2	0	2	30	47	31	5	0	0	0	0	0	0	119
18:00	1	0	1	4	19	37	20	3	0	0	0	0	0	0	85
19:00	0	1	0	2	14	17	14	2	1	0	0	0	0	0	51
20:00	1	0	1	1	6	24	9	2	2	0	0	0	0	0	46
21:00	0	0	0	0	3	15	6	1	0	0	0	0	0	0	25
22:00	0	0	0	0	5	9	6	0	0	0	0	0	0	0	20
23:00	0	0	0	1	2	4	1	1	0	0	0	0	0	0	9
Total	34	8	12	64	256	588	411	76	17	1	0	0	0	0	1467

Daily

15th Percentile : 31 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 922
 Percent in Pace : 62.8%
 Number of Vehicles > 30 MPH : 1349
 Percent of Vehicles > 30 MPH : 92.0%

Grand Total	62	18	23	114	561	1187	809	156	29	4	0	0	0	0	1	2964
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Overall

15th Percentile : 31 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 34-43 MPH
 Number in Pace : 1860
 Percent in Pace : 62.8%
 Number of Vehicles > 30 MPH : 2747
 Percent of Vehicles > 30 MPH : 92.7%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/08/1															
3	0	0	0	2	2	3	1	2	1	0	0	0	0	0	11
01:00	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	2	0	0	1	0	0	0	0	0	4
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	4	4	3	0	0	0	0	0	0	0	11
05:00	0	1	0	1	3	16	13	2	1	0	0	0	0	0	37
06:00	6	1	1	7	29	69	36	6	2	1	0	0	0	0	158
07:00	5	0	1	18	92	133	40	11	1	0	0	0	0	0	301
08:00	4	4	2	12	45	66	39	9	0	1	0	0	0	0	182
09:00	4	0	4	7	35	55	27	4	0	0	0	0	0	0	136
10:00	2	0	0	7	26	45	25	7	1	0	0	0	0	0	113
11:00	2	2	1	6	19	64	22	7	1	0	0	0	0	0	124
12 PM	0	0	2	4	30	58	22	7	0	0	0	0	0	0	123
13:00	0	0	1	10	47	68	29	5	0	0	0	0	0	0	160
14:00	5	0	3	13	58	93	33	4	2	0	0	0	0	0	211
15:00	10	0	11	43	91	67	36	3	0	0	0	0	0	0	261
16:00	4	2	1	28	84	93	49	4	1	0	0	0	0	0	266
17:00	10	0	3	28	86	98	40	6	1	0	0	0	0	0	272
18:00	2	1	1	8	67	103	43	3	1	0	0	0	0	0	229
19:00	3	0	0	16	37	51	27	8	0	0	0	0	0	0	142
20:00	0	0	1	5	31	41	17	2	0	0	0	0	0	0	97
21:00	0	0	1	6	14	26	12	3	0	0	0	0	0	0	62
22:00	0	0	0	3	12	21	20	1	0	1	0	0	0	0	58
23:00	0	0	0	2	7	3	10	2	0	0	0	0	0	1	25
Total	57	11	33	226	821	1180	545	96	13	3	0	0	0	1	2986

Daily

15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 1865
 Percent in Pace : 62.5%
 Number of Vehicles > 30 MPH : 2659
 Percent of Vehicles > 30 MPH : 89.1%

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/09/1															
3	0	0	0	2	1	6	3	1	1	0	0	0	0	0	14
01:00	0	0	0	0	0	5	0	2	0	0	0	0	0	0	7
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	1	3	2	0	0	0	0	0	0	0	7
05:00	1	1	0	2	10	9	7	4	4	0	0	0	0	0	38
06:00	2	1	1	3	32	52	41	5	1	0	0	0	0	0	138
07:00	6	0	3	23	84	136	56	7	3	0	0	0	0	0	318
08:00	9	1	1	9	41	83	41	12	0	0	0	0	0	0	197
09:00	0	0	2	7	34	50	23	8	2	0	0	0	0	0	126
10:00	2	1	0	7	24	47	24	4	0	0	0	0	0	0	109
11:00	6	0	3	9	43	39	15	2	1	0	0	0	0	0	118
12 PM	6	4	3	19	27	49	28	0	2	1	0	0	0	0	139
13:00	3	0	2	5	41	62	38	7	1	0	0	0	0	0	159
14:00	2	0	2	11	29	68	33	6	1	0	0	0	0	0	152
15:00	16	3	2	23	58	104	49	8	1	0	0	0	0	0	264
16:00	5	0	2	16	61	92	56	8	0	0	0	0	0	0	240
17:00	3	4	1	10	90	121	45	6	0	0	0	0	0	0	280
18:00	6	1	3	19	75	94	34	4	0	0	1	0	0	0	237
19:00	2	1	2	3	41	45	20	2	1	0	0	0	0	0	117
20:00	2	0	1	5	28	44	17	2	2	0	0	0	0	0	101
21:00	0	0	2	6	13	25	14	2	0	0	0	0	0	0	62
22:00	0	0	0	1	8	22	11	1	0	0	0	0	0	0	43
23:00	0	0	0	4	3	7	6	1	0	0	0	0	0	0	21
Total	71	17	30	185	746	1164	563	92	20	1	1	0	0	1	2890

Daily
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 1796
 Percent in Pace : 62.1%
 Number of Vehicles > 30 MPH : 2587
 Percent of Vehicles > 30 MPH : 89.5%

Grand Total	128	28	63	411	1567	2344	1108	188	33	4	1	0	0	1	5876
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Overall
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 3655
 Percent in Pace : 62.2%
 Number of Vehicles > 30 MPH : 5246
 Percent of Vehicles > 30 MPH : 89.3%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/08/1															
3	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	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	0	1	1	0	2	0	0	0	0	0	0	0	0	4	2
05:00	0	3	5	0	1	0	0	0	0	0	0	0	0	9	1
06:00	0	31	19	2	5	0	0	0	0	0	0	0	0	57	7
07:00	0	64	41	1	7	0	0	0	0	0	0	0	0	113	8
08:00	0	43	29	1	9	0	0	0	0	0	0	0	0	82	10
09:00	0	50	14	0	1	1	0	3	0	0	0	0	0	69	5
10:00	0	28	13	0	8	0	0	0	1	0	0	0	0	50	9
11:00	0	49	13	2	3	0	0	0	0	0	0	0	0	67	5
12 PM	0	40	20	0	8	1	0	1	0	0	0	0	0	70	10
13:00	0	45	29	0	1	0	0	1	0	0	0	0	0	76	2
14:00	1	79	26	0	6	0	0	1	1	0	0	0	0	114	8
15:00	2	86	36	2	7	0	0	3	1	0	0	0	0	137	13
16:00	1	94	39	0	4	1	0	0	0	0	0	0	0	139	5
17:00	2	110	34	1	13	0	0	0	0	0	0	0	0	160	14
18:00	0	92	24	0	5	0	0	0	0	0	0	0	0	121	5
19:00	1	57	16	0	5	0	0	1	0	0	0	0	0	80	6
20:00	0	43	6	0	2	0	0	0	0	0	0	0	0	51	2
21:00	0	25	6	0	2	0	0	0	0	0	0	0	0	33	2
22:00	0	25	6	0	0	0	0	0	0	0	0	0	0	31	0
23:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12	0
Total	7	985	382	9	89	3	0	10	3	0	0	0	0	1488	114
Percent	0.5%	66.2%	25.7%	0.6%	6.0%	0.2%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		7.7%
AM Peak Vol.		07:00	07:00	06:00	08:00	09:00		09:00	10:00					07:00	08:00
PM Peak Vol.	15:00	17:00	16:00	15:00	17:00	12:00		15:00	14:00					17:00	17:00
	2	110	39	2	13	1		3	1					160	14

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/09/1															
3	0	7	2	0	0	0	0	0	0	0	0	0	0	9	0
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
05:00	0	6	4	0	0	0	0	0	0	0	0	0	0	10	0
06:00	0	27	15	1	4	0	0	0	0	0	0	0	0	47	5
07:00	1	77	35	1	7	0	0	2	0	0	0	0	0	123	10
08:00	0	60	23	2	5	0	0	0	0	0	0	0	0	90	7
09:00	0	38	14	0	7	0	0	1	0	0	0	0	0	60	8
10:00	1	31	11	2	5	0	0	1	0	0	0	0	0	51	8
11:00	1	37	13	1	4	0	0	1	0	0	0	0	0	57	6
12 PM	1	43	17	0	4	0	0	0	1	0	0	0	0	66	5
13:00	1	32	29	1	7	0	0	0	0	0	0	0	0	70	8
14:00	0	49	18	2	4	0	0	0	0	0	0	0	0	73	6
15:00	3	88	31	1	7	0	0	0	0	0	0	0	0	130	8
16:00	0	86	28	0	7	0	0	0	0	0	0	0	0	121	7
17:00	1	112	42	0	5	0	0	1	0	0	0	0	0	161	6
18:00	1	103	40	0	8	0	0	0	0	0	0	0	0	152	8
19:00	1	49	16	0	0	0	0	0	0	0	0	0	0	66	0
20:00	0	38	15	0	2	0	0	0	0	0	0	0	0	55	2
21:00	0	29	8	0	0	0	0	0	0	0	0	0	0	37	0
22:00	0	19	2	0	2	0	0	0	0	0	0	0	0	23	2
23:00	0	9	2	0	1	0	0	0	0	0	0	0	0	12	1
Total	11	947	367	11	80	0	0	6	1	0	0	0	0	1423	98
Percent	0.8%	66.5%	25.8%	0.8%	5.6%	0.0%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		6.9%
AM Peak	07:00	07:00	07:00	08:00	07:00			07:00						07:00	07:00
Vol.	1	77	35	2	7			2						123	10
PM Peak	15:00	17:00	17:00	14:00	18:00			17:00	12:00					17:00	13:00
Vol.	3	112	42	2	8			1	1					161	8
Grand Total	18	1932	749	20	169	3	0	16	4	0	0	0	0	2911	212
Percent	0.6%	66.4%	25.7%	0.7%	5.8%	0.1%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		7.3%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/08/1															
3	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
05:00	0	6	15	1	6	0	0	0	0	0	0	0	0	28	7
06:00	0	37	46	0	18	0	0	0	0	0	0	0	0	101	18
07:00	0	68	81	8	27	2	0	2	0	0	0	0	0	188	39
08:00	0	44	39	2	14	1	0	0	0	0	0	0	0	100	17
09:00	0	21	30	5	8	1	0	2	0	0	0	0	0	67	16
10:00	1	32	19	1	8	0	1	1	0	0	0	0	0	63	11
11:00	1	22	25	3	5	0	0	1	0	0	0	0	0	57	9
12 PM	0	16	25	3	8	0	0	1	0	0	0	0	0	53	12
13:00	0	37	38	1	8	0	0	0	0	0	0	0	0	84	9
14:00	1	38	37	3	16	0	0	2	0	0	0	0	0	97	21
15:00	1	53	43	7	20	0	0	0	0	0	0	0	0	124	27
16:00	1	46	46	2	30	0	0	1	0	1	0	0	0	127	34
17:00	1	52	41	1	15	0	0	1	0	0	0	0	0	111	17
18:00	2	51	36	1	17	0	0	1	0	0	0	0	0	108	19
19:00	0	29	29	0	4	0	0	0	0	0	0	0	0	62	4
20:00	0	22	21	0	3	0	0	0	0	0	0	0	0	46	3
21:00	0	18	10	0	0	0	0	1	0	0	0	0	0	29	1
22:00	0	17	8	0	2	0	0	0	0	0	0	0	0	27	2
23:00	0	4	3	0	6	0	0	0	0	0	0	0	0	13	6
Total	8	623	594	38	215	4	1	13	0	1	0	0	0	1497	272
Percent	0.5%	41.6%	39.7%	2.5%	14.4%	0.3%	0.1%	0.9%	0.0%	0.1%	0.0%	0.0%	0.0%		18.2%
AM Peak	10:00	07:00	07:00	07:00	07:00	07:00	10:00	07:00						07:00	07:00
Vol.	1	68	81	8	27	2	1	2						188	39
PM Peak	18:00	15:00	16:00	15:00	16:00			14:00		16:00				16:00	16:00
Vol.	2	53	46	7	30			2		1				127	34

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/09/1															
3	0	2	2	0	1	0	0	0	0	0	0	0	0	5	1
01:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	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	1	1	0	1	0	0	0	0	0	0	0	0	3	1
05:00	1	11	13	1	2	0	0	0	0	0	0	0	0	28	3
06:00	0	35	38	0	18	0	0	0	0	0	0	0	0	91	18
07:00	0	78	91	7	15	0	0	4	0	0	0	0	0	195	26
08:00	0	50	45	1	8	0	0	2	0	0	0	0	0	106	11
09:00	0	24	26	6	10	0	0	0	0	0	0	0	0	66	16
10:00	0	27	21	1	9	0	0	0	0	0	0	0	0	58	10
11:00	1	24	21	2	10	1	0	2	0	0	0	0	0	61	15
12 PM	0	30	25	3	13	0	0	1	1	0	0	0	0	73	18
13:00	0	44	33	2	9	1	0	0	0	0	0	0	0	89	12
14:00	0	27	31	3	16	2	0	0	0	0	0	0	0	79	21
15:00	1	52	51	9	19	0	0	1	0	0	0	0	0	133	29
16:00	0	51	41	0	24	0	0	2	1	0	0	0	0	119	27
17:00	1	44	62	0	12	0	0	0	0	0	0	0	0	119	12
18:00	0	40	37	0	7	0	0	1	0	0	0	0	0	85	8
19:00	0	21	25	0	5	0	0	0	0	0	0	0	0	51	5
20:00	0	31	13	0	2	0	0	0	0	0	0	0	0	46	2
21:00	0	16	7	0	2	0	0	0	0	0	0	0	0	25	2
22:00	0	11	9	0	0	0	0	0	0	0	0	0	0	20	0
23:00	0	2	4	0	3	0	0	0	0	0	0	0	0	9	3
Total	4	623	598	35	186	4	0	13	2	0	0	0	0	1465	240
Percent	0.3%	42.5%	40.8%	2.4%	12.7%	0.3%	0.0%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%		16.4%
AM Peak Vol.	05:00	07:00	07:00	07:00	06:00	11:00		07:00						07:00	07:00
PM Peak Vol.	15:00	15:00	17:00	15:00	16:00	14:00		16:00	12:00					15:00	15:00
Grand Total Percent	12	1246	1192	73	401	8	1	26	2	1	0	0	0	2962	512
	0.4%	42.1%	40.2%	2.5%	13.5%	0.3%	0.0%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%		17.3%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/08/1															
3	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	7	2	0	2	0	0	0	0	0	0	0	0	11	2
05:00	0	9	20	1	7	0	0	0	0	0	0	0	0	37	8
06:00	0	68	65	2	23	0	0	0	0	0	0	0	0	158	25
07:00	0	132	122	9	34	2	0	2	0	0	0	0	0	301	47
08:00	0	87	68	3	23	1	0	0	0	0	0	0	0	182	27
09:00	0	71	44	5	9	2	0	5	0	0	0	0	0	136	21
10:00	1	60	32	1	16	0	1	1	1	0	0	0	0	113	20
11:00	1	71	38	5	8	0	0	1	0	0	0	0	0	124	14
12 PM	0	56	45	3	16	1	0	2	0	0	0	0	0	123	22
13:00	0	82	67	1	9	0	0	1	0	0	0	0	0	160	11
14:00	2	117	63	3	22	0	0	3	1	0	0	0	0	211	29
15:00	3	139	79	9	27	0	0	3	1	0	0	0	0	261	40
16:00	2	140	85	2	34	1	0	1	0	1	0	0	0	266	39
17:00	3	162	75	2	28	0	0	1	0	0	0	0	0	271	31
18:00	2	143	60	1	22	0	0	1	0	0	0	0	0	229	24
19:00	1	86	45	0	9	0	0	1	0	0	0	0	0	142	10
20:00	0	65	27	0	5	0	0	0	0	0	0	0	0	97	5
21:00	0	43	16	0	2	0	0	1	0	0	0	0	0	62	3
22:00	0	42	14	0	2	0	0	0	0	0	0	0	0	58	2
23:00	0	13	6	0	6	0	0	0	0	0	0	0	0	25	6
Total	15	1608	976	47	304	7	1	23	3	1	0	0	0	2985	386
Percent	0.5%	53.9%	32.7%	1.6%	10.2%	0.2%	0.0%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak	10:00	07:00	07:00	07:00	07:00	07:00	10:00	09:00	10:00					07:00	07:00
Vol.	1	132	122	9	34	2	1	5	1					301	47
PM Peak	15:00	17:00	16:00	15:00	16:00	12:00		14:00	14:00	16:00				17:00	15:00
Vol.	3	162	85	9	34	1		3	1	1				271	40

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, east of Lake 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
10/09/1															
3	0	9	4	0	1	0	0	0	0	0	0	0	0	14	1
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	3	2	0	2	0	0	0	0	0	0	0	0	7	2
05:00	1	17	17	1	2	0	0	0	0	0	0	0	0	38	3
06:00	0	62	53	1	22	0	0	0	0	0	0	0	0	138	23
07:00	1	155	126	8	22	0	0	6	0	0	0	0	0	318	36
08:00	0	110	68	3	13	0	0	2	0	0	0	0	0	196	18
09:00	0	62	40	6	17	0	0	1	0	0	0	0	0	126	24
10:00	1	58	32	3	14	0	0	1	0	0	0	0	0	109	18
11:00	2	61	34	3	14	1	0	3	0	0	0	0	0	118	21
12 PM	1	73	42	3	17	0	0	1	2	0	0	0	0	139	23
13:00	1	76	62	3	16	1	0	0	0	0	0	0	0	159	20
14:00	0	76	49	5	20	2	0	0	0	0	0	0	0	152	27
15:00	4	140	82	10	26	0	0	1	0	0	0	0	0	263	37
16:00	0	137	69	0	31	0	0	2	1	0	0	0	0	240	34
17:00	2	156	104	0	17	0	0	1	0	0	0	0	0	280	18
18:00	1	143	77	0	15	0	0	1	0	0	0	0	0	237	16
19:00	1	70	41	0	5	0	0	0	0	0	0	0	0	117	5
20:00	0	69	28	0	4	0	0	0	0	0	0	0	0	101	4
21:00	0	45	15	0	2	0	0	0	0	0	0	0	0	62	2
22:00	0	30	11	0	2	0	0	0	0	0	0	0	0	43	2
23:00	0	11	6	0	4	0	0	0	0	0	0	0	0	21	4
Total	15	1570	965	46	266	4	0	19	3	0	0	0	0	2888	338
Percent	0.5%	54.4%	33.4%	1.6%	9.2%	0.1%	0.0%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%		11.7%
AM Peak	11:00	07:00	07:00	07:00	06:00	11:00		07:00						07:00	07:00
Vol.	2	155	126	8	22	1		6						318	36
PM Peak	15:00	17:00	17:00	15:00	16:00	14:00		16:00	12:00					17:00	15:00
Vol.	4	156	104	10	31	2		2	2					280	37
Grand Total	30	3178	1941	93	570	11	1	42	6	1	0	0	0	5873	724
Percent	0.5%	54.1%	33.0%	1.6%	9.7%	0.2%	0.0%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%		12.3%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

Start Time	07-Oct-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	6	4	7	6	*	*	*	*	*	*	*	*	6	5
01:00	*	*	3	0	4	4	*	*	*	*	*	*	*	*	4	2
02:00	*	*	2	1	1	1	*	*	*	*	*	*	*	*	2	1
03:00	*	*	1	0	2	1	*	*	*	*	*	*	*	*	2	0
04:00	*	*	1	9	3	4	*	*	*	*	*	*	*	*	2	6
05:00	*	*	9	30	11	30	*	*	*	*	*	*	*	*	10	30
06:00	*	*	62	102	50	96	*	*	*	*	*	*	*	*	56	99
07:00	*	*	102	151	101	145	*	*	*	*	*	*	*	*	102	148
08:00	*	*	75	88	89	98	*	*	*	*	*	*	*	*	82	93
09:00	*	*	63	58	54	69	*	*	*	*	*	*	*	*	58	64
10:00	*	*	41	59	49	52	*	*	*	*	*	*	*	*	45	56
11:00	*	*	51	54	47	60	*	*	*	*	*	*	*	*	49	57
12:00 PM	*	*	54	40	55	52	*	*	*	*	*	*	*	*	54	46
01:00	*	*	75	68	57	74	*	*	*	*	*	*	*	*	66	71
02:00	*	*	81	91	70	76	*	*	*	*	*	*	*	*	76	84
03:00	*	*	124	92	123	107	*	*	*	*	*	*	*	*	124	100
04:00	*	*	115	105	96	102	*	*	*	*	*	*	*	*	106	104
05:00	*	*	150	91	153	94	*	*	*	*	*	*	*	*	152	92
06:00	*	*	104	95	110	78	*	*	*	*	*	*	*	*	107	86
07:00	*	*	67	41	53	39	*	*	*	*	*	*	*	*	60	40
08:00	*	*	42	32	48	43	*	*	*	*	*	*	*	*	45	38
09:00	*	*	27	26	31	22	*	*	*	*	*	*	*	*	29	24
10:00	*	*	32	23	27	17	*	*	*	*	*	*	*	*	30	20
11:00	*	*	11	13	10	10	*	*	*	*	*	*	*	*	10	12
Total Day	0	0	1298	1273	1251	1280	0	0	0	0	0	0	0	0	1277	1278
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	102	151	101	145	-	-	-	-	-	-	-	-	102	148
PM Peak	-	-	17:00	16:00	17:00	15:00	-	-	-	-	-	-	-	-	17:00	16:00
Vol.	-	-	150	105	153	107	-	-	-	-	-	-	-	-	152	104

Comb. Total 0 2571 2531 0 0 0 0 2555

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

Start Time	08-Oct-13 Tue		EB		WB		Combined		09-Oct-13 Wed		EB		WB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	2	21	1	14	3	35	4	13	4	21	8	34				
12:15	3	13	0	7	3	20	1	17	0	15	1	32				
12:30	0	11	3	9	3	20	2	10	1	7	3	17				
12:45	1	9	0	10	1	19	0	15	1	9	1	24				
01:00	1	19	0	19	1	38	3	10	0	15	3	25				
01:15	0	18	0	18	0	36	0	17	1	20	1	37				
01:30	2	23	0	16	2	39	0	15	2	19	2	34				
01:45	0	15	0	15	0	30	1	15	1	20	2	35				
02:00	1	16	0	28	1	44	1	14	1	20	2	34				
02:15	1	30	0	19	1	49	0	19	0	20	0	39				
02:30	0	14	1	25	1	39	0	15	0	15	0	30				
02:45	0	21	0	19	0	40	0	22	0	21	0	43				
03:00	0	32	0	23	0	55	1	28	1	29	2	57				
03:15	0	28	0	23	0	51	0	27	0	24	0	51				
03:30	1	31	0	26	1	57	0	29	0	28	0	57				
03:45	0	33	0	20	0	53	1	39	0	26	1	65				
04:00	1	28	1	28	2	56	1	29	1	29	2	58				
04:15	0	30	1	26	1	56	1	29	1	17	2	46				
04:30	0	25	2	25	2	50	0	18	1	28	1	46				
04:45	0	32	5	26	5	58	1	20	1	28	2	48				
05:00	1	36	4	24	5	60	2	34	5	36	7	70				
05:15	1	44	5	31	6	75	1	40	5	19	6	59				
05:30	2	41	13	24	15	65	6	39	15	22	21	61				
05:45	5	29	8	12	13	41	2	40	5	17	7	57				
06:00	4	36	17	22	21	58	6	23	15	23	21	46				
06:15	13	18	28	36	41	54	13	30	29	19	42	49				
06:30	19	35	29	19	48	54	16	39	23	22	39	61				
06:45	26	15	28	18	54	33	15	18	29	14	44	32				
07:00	19	30	42	14	61	44	15	19	40	14	55	33				
07:15	28	17	42	17	70	34	33	14	46	10	79	24				
07:30	30	7	38	4	68	11	28	9	40	6	68	15				
07:45	25	13	29	6	54	19	25	11	19	9	44	20				
08:00	17	6	18	6	35	12	15	14	21	15	36	29				
08:15	20	14	22	13	42	27	28	13	26	11	54	24				
08:30	24	13	23	10	47	23	27	8	34	8	61	16				
08:45	14	9	25	3	39	12	19	13	17	9	36	22				
09:00	23	11	21	6	44	17	14	11	20	7	34	18				
09:15	17	6	14	7	31	13	16	8	16	9	32	17				
09:30	15	6	14	5	29	11	10	9	17	1	27	10				
09:45	8	4	9	8	17	12	14	3	16	5	30	8				
10:00	10	10	16	7	26	17	10	4	10	7	20	11				
10:15	13	7	14	6	27	13	12	6	11	2	23	8				
10:30	10	11	15	7	25	18	17	9	16	5	33	14				
10:45	8	4	14	3	22	7	10	8	15	3	25	11				
11:00	12	1	7	0	19	1	13	1	20	1	33	2				
11:15	17	5	12	10	29	15	10	3	14	3	24	6				
11:30	12	3	19	1	31	4	14	3	15	3	29	6				
11:45	10	2	16	2	26	4	10	3	11	3	21	6				
Total	416	882	556	717	972	1599	418	833	566	714	984	1547				
Day Total	1298		1273		2571		1251		1280		2531					
% Total	16.2%	34.3%	21.6%	27.9%			16.5%	32.9%	22.4%	28.2%						
Peak	-	06:45	04:45	07:00	04:30	06:45	04:45	-	07:00	05:00	06:45	04:30	06:45	05:00		
Vol.	-	103	153	151	106	253	258	-	101	153	155	111	246	247		
P.H.F.		0.858	0.869	0.899	0.855	0.904	0.860		0.765	0.956	0.842	0.771	0.778	0.882		

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

Start Time	07-Oct-13 Mon	08-Oct-13 Tue	09-Oct-13 Wed	10-Oct-13 Thu	11-Oct-13 Fri	12-Oct-13 Sat	13-Oct-13 Sun	Week Average
12:00 AM	*	10	13	*	*	*	*	12
01:00	*	3	8	*	*	*	*	6
02:00	*	3	2	*	*	*	*	2
03:00	*	1	3	*	*	*	*	2
04:00	*	10	7	*	*	*	*	8
05:00	*	39	41	*	*	*	*	40
06:00	*	164	146	*	*	*	*	155
07:00	*	253	246	*	*	*	*	250
08:00	*	163	187	*	*	*	*	175
09:00	*	121	123	*	*	*	*	122
10:00	*	100	101	*	*	*	*	100
11:00	*	105	107	*	*	*	*	106
12:00 PM	*	94	107	*	*	*	*	100
01:00	*	143	131	*	*	*	*	137
02:00	*	172	146	*	*	*	*	159
03:00	*	216	230	*	*	*	*	223
04:00	*	220	198	*	*	*	*	209
05:00	*	241	247	*	*	*	*	244
06:00	*	199	188	*	*	*	*	194
07:00	*	108	92	*	*	*	*	100
08:00	*	74	91	*	*	*	*	82
09:00	*	53	53	*	*	*	*	53
10:00	*	55	44	*	*	*	*	50
11:00	*	24	20	*	*	*	*	22
Total	0	2571	2531	0	0	0	0	2551
Percentage	0.0%	100.8%	99.2%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	253	246	-	-	-	-	250
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	241	247	-	-	-	-	244

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 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

EB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/08/1															
3	1	0	1	1	3	0	0	0	0	0	0	0	0	0	6
01:00	0	1	0	0	0	1	1	0	0	0	0	0	0	0	3
02:00	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
05:00	0	0	0	2	5	1	1	0	0	0	0	0	0	0	9
06:00	0	1	6	15	34	6	0	0	0	0	0	0	0	0	62
07:00	3	4	9	30	48	8	0	0	0	0	0	0	0	0	102
08:00	3	7	7	22	30	5	1	0	0	0	0	0	0	0	75
09:00	2	3	5	22	24	7	0	0	0	0	0	0	0	0	63
10:00	2	0	4	8	17	9	1	0	0	0	0	0	0	0	41
11:00	1	0	1	10	33	5	1	0	0	0	0	0	0	0	51
12 PM	0	0	4	15	26	8	1	0	0	0	0	0	0	0	54
13:00	0	0	4	25	40	6	0	0	0	0	0	0	0	0	75
14:00	2	1	5	19	43	9	2	0	0	0	0	0	0	0	81
15:00	4	7	12	42	47	12	0	0	0	0	0	0	0	0	124
16:00	0	3	15	32	49	14	2	0	0	0	0	0	0	0	115
17:00	1	0	8	34	79	26	2	0	0	0	0	0	0	0	150
18:00	5	2	1	29	51	15	1	0	0	0	0	0	0	0	104
19:00	1	1	1	18	36	9	1	0	0	0	0	0	0	0	67
20:00	0	0	2	11	20	8	1	0	0	0	0	0	0	0	42
21:00	0	0	0	1	20	6	0	0	0	0	0	0	0	0	27
22:00	0	0	2	8	15	6	1	0	0	0	0	0	0	0	32
23:00	0	0	1	0	7	3	0	0	0	0	0	0	0	0	11
Total	25	30	88	346	627	165	16	1	0	0	0	0	0	0	1298

Daily

15th Percentile :	24 MPH
50th Percentile :	31 MPH
85th Percentile :	35 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	884
Percent in Pace :	68.1%
Number of Vehicles > 30 MPH :	809
Percent of Vehicles > 30 MPH :	62.3%

Old Colony Planning Council
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/09/1															
3	0	0	0	0	5	1	1	0	0	0	0	0	0	0	7
01:00	0	0	1	0	2	0	1	0	0	0	0	0	0	0	4
02:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
05:00	0	0	2	2	4	2	0	1	0	0	0	0	0	0	11
06:00	0	1	3	15	23	7	1	0	0	0	0	0	0	0	50
07:00	6	6	1	36	33	19	0	0	0	0	0	0	0	0	101
08:00	10	7	11	22	31	8	0	0	0	0	0	0	0	0	89
09:00	2	2	5	12	26	7	0	0	0	0	0	0	0	0	54
10:00	1	0	4	20	21	3	0	0	0	0	0	0	0	0	49
11:00	0	0	1	15	26	5	0	0	0	0	0	0	0	0	47
12 PM	2	2	5	11	25	8	1	1	0	0	0	0	0	0	55
13:00	0	0	5	19	28	4	1	0	0	0	0	0	0	0	57
14:00	4	0	7	12	30	16	1	0	0	0	0	0	0	0	70
15:00	5	8	18	27	57	6	2	0	0	0	0	0	0	0	123
16:00	5	5	1	37	38	8	2	0	0	0	0	0	0	0	96
17:00	3	1	7	45	83	14	0	0	0	0	0	0	0	0	153
18:00	1	0	5	25	59	18	2	0	0	0	0	0	0	0	110
19:00	0	0	1	14	31	7	0	0	0	0	0	0	0	0	53
20:00	0	0	0	14	27	6	1	0	0	0	0	0	0	0	48
21:00	0	0	1	8	18	3	1	0	0	0	0	0	0	0	31
22:00	0	0	2	4	10	9	2	0	0	0	0	0	0	0	27
23:00	0	1	0	2	4	3	0	0	0	0	0	0	0	0	10
Total	39	33	80	343	582	156	16	2	0	0	0	0	0	0	1251

Daily
 15th Percentile : 24 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 828
 Percent in Pace : 66.2%
 Number of Vehicles > 30 MPH : 756
 Percent of Vehicles > 30 MPH : 60.4%

Grand Total	64	63	168	689	1209	321	32	3	0	0	0	0	0	0	2549
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Overall
 15th Percentile : 24 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 1712
 Percent in Pace : 67.2%
 Number of Vehicles > 30 MPH : 1565
 Percent of Vehicles > 30 MPH : 61.4%

Old Colony Planning Council
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

WB

Start Time	15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
10/08/13	0	0	0	0	1	1	1	1	0	0	0	0	0	0	4
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	2	3	2	1	0	0	0	0	0	0	0	9
05:00	0	3	0	2	12	12	1	0	0	0	0	0	0	0	30
06:00	2	4	4	8	43	36	4	1	0	0	0	0	0	0	102
07:00	3	3	5	19	65	48	8	0	0	0	0	0	0	0	151
08:00	3	0	2	10	37	30	4	2	0	0	0	0	0	0	88
09:00	0	0	1	4	28	21	4	0	0	0	0	0	0	0	58
10:00	0	1	1	6	28	19	3	1	0	0	0	0	0	0	59
11:00	2	0	1	3	21	22	5	0	0	0	0	0	0	0	54
12 PM	0	0	1	3	17	18	0	1	0	0	0	0	0	0	40
13:00	1	5	4	13	22	22	1	0	0	0	0	0	0	0	68
14:00	1	2	2	9	43	32	2	0	0	0	0	0	0	0	91
15:00	2	0	2	14	38	32	4	0	0	0	0	0	0	0	92
16:00	0	0	1	10	42	45	6	1	0	0	0	0	0	0	105
17:00	0	0	1	16	35	33	6	0	0	0	0	0	0	0	91
18:00	3	0	3	10	39	37	3	0	0	0	0	0	0	0	95
19:00	1	0	1	5	16	11	7	0	0	0	0	0	0	0	41
20:00	0	0	1	6	10	14	1	0	0	0	0	0	0	0	32
21:00	0	0	3	2	8	11	2	0	0	0	0	0	0	0	26
22:00	0	0	0	1	7	14	0	1	0	0	0	0	0	0	23
23:00	0	0	0	1	4	6	1	0	0	0	0	0	0	1	13
Total	18	18	34	144	520	466	64	8	0	0	0	0	0	1	1273

Daily

15th Percentile :	28 MPH
50th Percentile :	33 MPH
85th Percentile :	38 MPH
95th Percentile :	41 MPH
Mean Speed(Average) :	34 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	877
Percent in Pace :	68.9%
Number of Vehicles > 30 MPH :	1059
Percent of Vehicles > 30 MPH :	83.3%

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake St

WB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/09/1																
3	0	0	0	1	1	4	0	0	0	0	0	0	0	0	0	6
01:00	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
05:00	0	3	1	1	12	8	5	0	0	0	0	0	0	0	0	30
06:00	1	6	3	15	33	36	2	0	0	0	0	0	0	0	0	96
07:00	1	2	2	22	60	52	6	0	0	0	0	0	0	0	0	145
08:00	1	0	3	11	33	42	8	0	0	0	0	0	0	0	0	98
09:00	1	0	0	6	31	21	9	1	0	0	0	0	0	0	0	69
10:00	0	1	0	7	22	19	2	1	0	0	0	0	0	0	0	52
11:00	0	1	0	11	23	20	5	0	0	0	0	0	0	0	0	60
12 PM	2	0	0	6	16	25	2	1	0	0	0	0	0	0	0	52
13:00	0	5	3	8	27	27	3	1	0	0	0	0	0	0	0	74
14:00	4	0	2	10	24	29	7	0	0	0	0	0	0	0	0	76
15:00	3	0	3	15	37	39	10	0	0	0	0	0	0	0	0	107
16:00	0	0	1	8	31	52	10	0	0	0	0	0	0	0	0	102
17:00	1	0	3	13	40	30	7	0	0	0	0	0	0	0	0	94
18:00	1	0	2	9	37	28	1	0	0	0	0	0	0	0	0	78
19:00	0	0	0	2	15	22	0	0	0	0	0	0	0	0	0	39
20:00	0	0	2	2	15	17	7	0	0	0	0	0	0	0	0	43
21:00	0	0	0	3	10	9	0	0	0	0	0	0	0	0	0	22
22:00	0	0	0	0	9	8	0	0	0	0	0	0	0	0	0	17
23:00	0	0	0	2	5	2	1	0	0	0	0	0	0	0	0	10
Total	15	18	26	154	482	494	86	5	0	0	0	0	0	0	0	1280

Daily

15th Percentile : 28 MPH
 50th Percentile : 34 MPH
 85th Percentile : 39 MPH
 95th Percentile : 41 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 873
 Percent in Pace : 68.2%
 Number of Vehicles > 30 MPH : 1067
 Percent of Vehicles > 30 MPH : 83.4%

Grand Total	33	36	60	298	1002	960	150	13	0	0	0	0	0	0	1	2553
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Overall

15th Percentile : 28 MPH
 50th Percentile : 34 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1750
 Percent in Pace : 68.6%
 Number of Vehicles > 30 MPH : 2126
 Percent of Vehicles > 30 MPH : 83.3%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/08/1															
3	1	0	1	1	4	1	1	1	0	0	0	0	0	0	10
01:00	0	1	0	0	0	1	1	0	0	0	0	0	0	0	3
02:00	0	0	0	1	1	0	0	1	0	0	0	0	0	0	3
03:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
04:00	0	0	1	2	3	3	1	0	0	0	0	0	0	0	10
05:00	0	3	0	4	17	13	2	0	0	0	0	0	0	0	39
06:00	2	5	10	23	77	42	4	1	0	0	0	0	0	0	164
07:00	6	7	14	49	113	56	8	0	0	0	0	0	0	0	253
08:00	6	7	9	32	67	35	5	2	0	0	0	0	0	0	163
09:00	2	3	6	26	52	28	4	0	0	0	0	0	0	0	121
10:00	2	1	5	14	45	28	4	1	0	0	0	0	0	0	100
11:00	3	0	2	13	54	27	6	0	0	0	0	0	0	0	105
12 PM	0	0	5	18	43	26	1	1	0	0	0	0	0	0	94
13:00	1	5	8	38	62	28	1	0	0	0	0	0	0	0	143
14:00	3	3	7	28	86	41	4	0	0	0	0	0	0	0	172
15:00	6	7	14	56	85	44	4	0	0	0	0	0	0	0	216
16:00	0	3	16	42	91	59	8	1	0	0	0	0	0	0	220
17:00	1	0	9	50	114	59	8	0	0	0	0	0	0	0	241
18:00	8	2	4	39	90	52	4	0	0	0	0	0	0	0	199
19:00	2	1	2	23	52	20	8	0	0	0	0	0	0	0	108
20:00	0	0	3	17	30	22	2	0	0	0	0	0	0	0	74
21:00	0	0	3	3	28	17	2	0	0	0	0	0	0	0	53
22:00	0	0	2	9	22	20	1	1	0	0	0	0	0	0	55
23:00	0	0	1	1	11	9	1	0	0	0	0	0	0	1	24
Total	43	48	122	490	1147	631	80	9	0	0	0	0	0	1	2571

Daily

15th Percentile :	26 MPH
50th Percentile :	32 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	29-38 MPH
Number in Pace :	1683
Percent in Pace :	65.5%
Number of Vehicles > 30 MPH :	1868
Percent of Vehicles > 30 MPH :	72.7%

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/09/1															
3	0	0	0	1	6	5	1	0	0	0	0	0	0	0	13
01:00	0	0	1	0	2	2	2	1	0	0	0	0	0	0	8
02:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
04:00	0	0	0	2	2	3	0	0	0	0	0	0	0	0	7
05:00	0	3	3	3	16	10	5	1	0	0	0	0	0	0	41
06:00	1	7	6	30	56	43	3	0	0	0	0	0	0	0	146
07:00	7	8	3	58	93	71	6	0	0	0	0	0	0	0	246
08:00	11	7	14	33	64	50	8	0	0	0	0	0	0	0	187
09:00	3	2	5	18	57	28	9	1	0	0	0	0	0	0	123
10:00	1	1	4	27	43	22	2	1	0	0	0	0	0	0	101
11:00	0	1	1	26	49	25	5	0	0	0	0	0	0	0	107
12 PM	4	2	5	17	41	33	3	2	0	0	0	0	0	0	107
13:00	0	5	8	27	55	31	4	1	0	0	0	0	0	0	131
14:00	8	0	9	22	54	45	8	0	0	0	0	0	0	0	146
15:00	8	8	21	42	94	45	12	0	0	0	0	0	0	0	230
16:00	5	5	2	45	69	60	12	0	0	0	0	0	0	0	198
17:00	4	1	10	58	123	44	7	0	0	0	0	0	0	0	247
18:00	2	0	7	34	96	46	3	0	0	0	0	0	0	0	188
19:00	0	0	1	16	46	29	0	0	0	0	0	0	0	0	92
20:00	0	0	2	16	42	23	8	0	0	0	0	0	0	0	91
21:00	0	0	1	11	28	12	1	0	0	0	0	0	0	0	53
22:00	0	0	2	4	19	17	2	0	0	0	0	0	0	0	44
23:00	0	1	0	4	9	5	1	0	0	0	0	0	0	0	20
Total	54	51	106	497	1064	650	102	7	0	0	0	0	0	0	2531

Daily

- 15th Percentile : 25 MPH
- 50th Percentile : 32 MPH
- 85th Percentile : 37 MPH
- 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH

- 10 MPH Pace Speed : 29-38 MPH
- Number in Pace : 1609
- Percent in Pace : 63.6%
- Number of Vehicles > 30 MPH : 1823
- Percent of Vehicles > 30 MPH : 72.0%

Grand Total	97	99	228	987	2211	1281	182	16	0	0	0	0	0	0	1	5102
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Overall

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

Mean Speed(Average) : 32 MPH

- 10 MPH Pace Speed : 29-38 MPH
- Number in Pace : 3292
- Percent in Pace : 64.5%
- Number of Vehicles > 30 MPH : 3691
- Percent of Vehicles > 30 MPH : 72.4%

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/08/1															
3	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
05:00	0	4	5	0	0	0	0	0	0	0	0	0	0	9	0
06:00	0	42	17	2	1	0	0	0	0	0	0	0	0	62	3
07:00	0	59	28	9	5	0	0	0	0	0	0	0	0	101	14
08:00	0	39	18	13	4	1	0	0	0	0	0	0	0	75	18
09:00	0	43	12	4	0	1	0	3	0	0	0	0	0	63	8
10:00	0	28	9	0	3	0	0	0	0	0	0	0	0	40	3
11:00	0	39	11	1	0	0	0	0	0	0	0	0	0	51	1
12 PM	0	38	10	2	2	1	0	1	0	0	0	0	0	54	6
13:00	0	50	18	3	3	0	0	1	0	0	0	0	0	75	7
14:00	1	61	14	3	0	0	0	1	1	0	0	0	0	81	5
15:00	0	79	27	11	4	0	0	1	2	0	0	0	0	124	18
16:00	1	75	32	3	2	1	0	1	0	0	0	0	0	115	7
17:00	1	110	32	1	6	0	0	0	0	0	0	0	0	150	7
18:00	0	85	16	0	3	0	0	0	0	0	0	0	0	104	3
19:00	0	53	14	0	0	0	0	0	0	0	0	0	0	67	0
20:00	0	37	5	0	0	0	0	0	0	0	0	0	0	42	0
21:00	0	24	3	0	0	0	0	0	0	0	0	0	0	27	0
22:00	0	27	5	0	0	0	0	0	0	0	0	0	0	32	0
23:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
Total	3	912	281	52	33	4	0	8	3	0	0	0	0	1296	100
Percent	0.2%	70.4%	21.7%	4.0%	2.5%	0.3%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		7.7%
AM Peak		07:00	07:00	08:00	07:00	08:00		09:00						07:00	08:00
Vol.		59	28	13	5	1		3						101	18
PM Peak	14:00	17:00	16:00	15:00	17:00	12:00		12:00	15:00					17:00	15:00
Vol.	1	110	32	11	6	1		1	2					150	18

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/09/1															
3	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
05:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11	0
06:00	0	34	12	3	0	1	0	0	0	0	0	0	0	50	4
07:00	0	69	24	5	2	0	0	1	0	0	0	0	0	101	8
08:00	0	54	15	14	4	1	0	0	0	0	0	0	0	88	19
09:00	0	35	12	2	5	0	0	0	0	0	0	0	0	54	7
10:00	0	34	9	1	5	0	0	0	0	0	0	0	0	49	6
11:00	0	37	8	0	1	0	0	1	0	0	0	0	0	47	2
12 PM	0	40	10	2	2	0	0	0	1	0	0	0	0	55	5
13:00	1	35	15	3	3	0	0	0	0	0	0	0	0	57	6
14:00	0	54	9	4	1	0	0	2	0	0	0	0	0	70	7
15:00	1	82	24	12	3	1	0	0	0	0	0	0	0	123	16
16:00	0	69	22	0	4	0	0	0	0	0	0	0	0	95	4
17:00	0	122	27	1	1	0	0	2	0	0	0	0	0	153	4
18:00	0	87	18	0	5	0	0	0	0	0	0	0	0	110	5
19:00	0	44	9	0	0	0	0	0	0	0	0	0	0	53	0
20:00	0	36	12	0	0	0	0	0	0	0	0	0	0	48	0
21:00	0	27	4	0	0	0	0	0	0	0	0	0	0	31	0
22:00	0	22	4	0	1	0	0	0	0	0	0	0	0	27	1
23:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
Total	2	912	241	47	37	3	0	6	1	0	0	0	0	1249	94
Percent	0.2%	73.0%	19.3%	3.8%	3.0%	0.2%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		7.5%
AM Peak Vol.		69	24	14	5	1		1						101	19
PM Peak Vol.	1	122	27	12	5	1		2	1					153	16
Grand Total	5	1824	522	99	70	7	0	14	4	0	0	0	0	2545	194
Percent	0.2%	71.7%	20.5%	3.9%	2.8%	0.3%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		7.6%

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/08/1															
3	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
05:00	0	19	9	1	1	0	0	0	0	0	0	0	0	30	2
06:00	0	64	28	3	7	0	0	0	0	0	0	0	0	102	10
07:00	0	107	28	4	11	0	0	0	0	0	0	0	0	150	15
08:00	1	61	22	0	2	1	0	0	0	0	0	0	0	87	3
09:00	0	37	18	0	1	1	0	1	0	0	0	0	0	58	3
10:00	1	39	13	1	4	1	0	0	0	0	0	0	0	59	6
11:00	1	43	8	1	1	0	0	0	0	0	0	0	0	54	2
12 PM	0	28	11	0	1	0	0	0	0	0	0	0	0	40	1
13:00	0	49	17	0	1	0	0	1	0	0	0	0	0	68	2
14:00	1	55	16	6	11	0	0	2	0	0	0	0	0	91	19
15:00	0	63	21	1	6	0	0	0	0	0	0	0	0	91	7
16:00	1	59	36	0	8	0	0	1	0	0	0	0	0	105	9
17:00	1	62	26	1	1	0	0	0	0	0	0	0	0	91	2
18:00	2	69	20	0	2	1	0	0	0	0	0	0	0	94	3
19:00	0	32	8	0	1	0	0	0	0	0	0	0	0	41	1
20:00	0	26	6	0	0	0	0	0	0	0	0	0	0	32	0
21:00	0	22	3	0	0	0	0	1	0	0	0	0	0	26	1
22:00	0	21	2	0	0	0	0	0	0	0	0	0	0	23	0
23:00	0	7	5	0	1	0	0	0	0	0	0	0	0	13	1
Total	8	875	299	18	59	4	0	6	0	0	0	0	0	1269	87
Percent	0.6%	69.0%	23.6%	1.4%	4.6%	0.3%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%		6.9%
AM Peak	08:00	07:00	06:00	07:00	07:00	08:00		09:00						07:00	07:00
Vol.	1	107	28	4	11	1		1						150	15
PM Peak	18:00	18:00	16:00	14:00	14:00	18:00		14:00						16:00	14:00
Vol.	2	69	36	6	11	1		2						105	19

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/08/1															
3	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	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	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
05:00	0	23	14	1	1	0	0	0	0	0	0	0	0	39	2
06:00	0	106	45	5	8	0	0	0	0	0	0	0	0	164	13
07:00	0	166	56	13	16	0	0	0	0	0	0	0	0	251	29
08:00	1	100	40	13	6	2	0	0	0	0	0	0	0	162	21
09:00	0	80	30	4	1	2	0	4	0	0	0	0	0	121	11
10:00	1	67	22	1	7	1	0	0	0	0	0	0	0	99	9
11:00	1	82	19	2	1	0	0	0	0	0	0	0	0	105	3
12 PM	0	66	21	2	3	1	0	1	0	0	0	0	0	94	7
13:00	0	99	35	3	4	0	0	2	0	0	0	0	0	143	9
14:00	2	116	30	9	11	0	0	3	1	0	0	0	0	172	24
15:00	0	142	48	12	10	0	0	1	2	0	0	0	0	215	25
16:00	2	134	68	3	10	1	0	2	0	0	0	0	0	220	16
17:00	2	172	58	2	7	0	0	0	0	0	0	0	0	241	9
18:00	2	154	36	0	5	1	0	0	0	0	0	0	0	198	6
19:00	0	85	22	0	1	0	0	0	0	0	0	0	0	108	1
20:00	0	63	11	0	0	0	0	0	0	0	0	0	0	74	0
21:00	0	46	6	0	0	0	0	1	0	0	0	0	0	53	1
22:00	0	48	7	0	0	0	0	0	0	0	0	0	0	55	0
23:00	0	15	8	0	1	0	0	0	0	0	0	0	0	24	1
Total	11	1787	580	70	92	8	0	14	3	0	0	0	0	2565	187
Percent	0.4%	69.7%	22.6%	2.7%	3.6%	0.3%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		7.3%
AM Peak	08:00	07:00	07:00	07:00	07:00	08:00		09:00						07:00	07:00
Vol.	1	166	56	13	16	2		4						251	29
PM Peak	14:00	17:00	16:00	15:00	14:00	12:00		14:00	15:00					17:00	15:00
Vol.	2	172	68	12	11	1		3	2					241	25

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Plain St, west of Lake 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
10/09/1															
3	0	10	3	0	0	0	0	0	0	0	0	0	0	13	0
01:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
02:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
04:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7	1
05:00	1	27	11	1	1	0	0	0	0	0	0	0	0	41	2
06:00	0	93	41	8	3	1	0	0	0	0	0	0	0	146	12
07:00	0	181	44	7	11	0	0	3	0	0	0	0	0	246	21
08:00	0	128	38	14	4	1	0	1	0	0	0	0	0	186	20
09:00	0	79	32	4	8	0	0	0	0	0	0	0	0	123	12
10:00	0	68	22	3	8	0	0	0	0	0	0	0	0	101	11
11:00	0	71	29	1	4	1	0	1	0	0	0	0	0	107	7
12 PM	0	74	25	2	4	0	0	0	2	0	0	0	0	107	8
13:00	1	92	28	3	6	1	0	0	0	0	0	0	0	131	10
14:00	0	101	26	9	7	1	0	2	0	0	0	0	0	146	19
15:00	1	161	49	12	6	1	0	0	0	0	0	0	0	230	19
16:00	1	138	49	0	6	1	0	2	0	0	0	0	0	197	9
17:00	1	191	49	1	3	0	0	2	0	0	0	0	0	247	6
18:00	0	148	35	0	5	0	0	0	0	0	0	0	0	188	5
19:00	0	68	23	0	1	0	0	0	0	0	0	0	0	92	1
20:00	0	72	19	0	0	0	0	0	0	0	0	0	0	91	0
21:00	0	44	9	0	0	0	0	0	0	0	0	0	0	53	0
22:00	0	37	5	0	2	0	0	0	0	0	0	0	0	44	2
23:00	0	15	4	0	1	0	0	0	0	0	0	0	0	20	1
Total	5	1814	544	65	81	7	0	11	2	0	0	0	0	2529	166
Percent	0.2%	71.7%	21.5%	2.6%	3.2%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		6.6%
AM Peak Vol.	1	181	44	14	11	1		3						246	21
PM Peak Vol.	1	191	49	12	7	1		2	2					247	19
Grand Total	16	3601	1124	135	173	15	0	25	5	0	0	0	0	5094	353
Percent	0.3%	70.7%	22.1%	2.7%	3.4%	0.3%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		6.9%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

Start Time	07-Oct-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	0	1	2	4	*	*	*	*	*	*	*	*	1	2
01:00	*	*	1	3	1	1	*	*	*	*	*	*	*	*	1	2
02:00	*	*	0	0	1	0	*	*	*	*	*	*	*	*	0	0
03:00	*	*	2	1	0	2	*	*	*	*	*	*	*	*	1	2
04:00	*	*	10	4	9	4	*	*	*	*	*	*	*	*	10	4
05:00	*	*	10	10	9	11	*	*	*	*	*	*	*	*	10	10
06:00	*	*	56	51	49	42	*	*	*	*	*	*	*	*	52	46
07:00	*	*	148	90	152	89	*	*	*	*	*	*	*	*	150	90
08:00	*	*	61	50	52	50	*	*	*	*	*	*	*	*	56	50
09:00	*	*	30	36	39	47	*	*	*	*	*	*	*	*	34	42
10:00	*	*	24	31	35	27	*	*	*	*	*	*	*	*	30	29
11:00	*	*	30	43	36	46	*	*	*	*	*	*	*	*	33	44
12:00 PM	*	*	35	45	49	49	*	*	*	*	*	*	*	*	42	47
01:00	*	*	76	58	77	55	*	*	*	*	*	*	*	*	76	56
02:00	*	*	78	107	70	82	*	*	*	*	*	*	*	*	74	94
03:00	*	*	120	106	101	108	*	*	*	*	*	*	*	*	110	107
04:00	*	*	80	89	62	76	*	*	*	*	*	*	*	*	71	82
05:00	*	*	104	118	92	110	*	*	*	*	*	*	*	*	98	114
06:00	*	*	65	126	51	92	*	*	*	*	*	*	*	*	58	109
07:00	*	*	65	60	57	69	*	*	*	*	*	*	*	*	61	64
08:00	*	*	56	42	28	31	*	*	*	*	*	*	*	*	42	36
09:00	*	*	21	32	11	25	*	*	*	*	*	*	*	*	16	28
10:00	*	*	15	10	8	14	*	*	*	*	*	*	*	*	12	12
11:00	*	*	6	8	6	10	*	*	*	*	*	*	*	*	6	9
Total Day	0	0	1093	1121	997	1044	0	0	0	0	0	0	0	0	1044	1079
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	148	90	152	89	-	-	-	-	-	-	-	-	150	90
PM Peak	-	-	15:00	18:00	15:00	17:00	-	-	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	120	126	101	110	-	-	-	-	-	-	-	-	110	114

Comb. Total 0 2214 2041 0 0 0 0 2123

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

Start Time	08-Oct-13 Tue		NB		SB		Combined		09-Oct-13 Wed	NB		SB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	0	6	1	17	1	23			1	16	3	17	4	33	
12:15	0	9	0	11	0	20			1	7	1	13	2	20	
12:30	0	11	0	8	0	19			0	13	0	8	0	21	
12:45	0	9	0	9	0	18			0	13	0	11	0	24	
01:00	0	9	2	18	2	27			0	9	1	12	1	21	
01:15	0	12	1	13	1	25			1	14	0	15	1	29	
01:30	1	13	0	12	1	25			0	10	0	16	0	26	
01:45	0	42	0	15	0	57			0	44	0	12	0	56	
02:00	0	14	0	32	0	46			0	28	0	32	0	60	
02:15	0	18	0	20	0	38			1	16	0	16	1	32	
02:30	0	23	0	25	0	48			0	13	0	15	0	28	
02:45	0	23	0	30	0	53			0	13	0	19	0	32	
03:00	1	28	0	16	1	44			0	29	0	21	0	50	
03:15	0	28	1	24	1	52			0	30	1	35	1	65	
03:30	0	20	0	33	0	53			0	19	0	20	0	39	
03:45	1	44	0	33	1	77			0	23	1	32	1	55	
04:00	2	24	0	26	2	50			2	26	0	16	2	42	
04:15	0	23	0	21	0	44			1	16	0	15	1	31	
04:30	2	12	2	21	4	33			2	7	1	23	3	30	
04:45	6	21	2	21	8	42			4	13	3	22	7	35	
05:00	2	33	1	27	3	60			3	25	0	25	3	50	
05:15	1	31	2	35	3	66			3	28	1	34	4	62	
05:30	5	30	3	40	8	70			1	22	5	27	6	49	
05:45	2	10	4	16	6	26			2	17	5	24	7	41	
06:00	8	10	9	35	17	45			8	15	10	30	18	45	
06:15	4	13	6	35	10	48			8	16	5	22	13	38	
06:30	14	20	17	26	31	46			10	15	13	19	23	34	
06:45	30	22	19	30	49	52			23	5	14	21	37	26	
07:00	28	20	19	27	47	47			34	12	25	21	59	33	
07:15	74	20	36	13	110	33			70	15	30	21	100	36	
07:30	29	11	20	14	49	25			26	19	24	11	50	30	
07:45	17	14	15	6	32	20			22	11	10	16	32	27	
08:00	15	18	10	13	25	31			8	4	13	12	21	16	
08:15	15	11	15	6	30	17			13	10	15	9	28	19	
08:30	16	18	14	13	30	31			14	5	13	4	27	9	
08:45	15	9	11	10	26	19			17	9	9	6	26	15	
09:00	12	4	12	13	24	17			6	6	14	15	20	21	
09:15	7	11	10	9	17	20			17	2	15	2	32	4	
09:30	4	2	9	6	13	8			8	2	7	4	15	6	
09:45	7	4	5	4	12	8			8	1	11	4	19	5	
10:00	8	8	7	2	15	10			8	3	6	1	14	4	
10:15	3	5	5	4	8	9			8	2	12	5	20	7	
10:30	5	2	8	1	13	3			9	2	3	4	12	6	
10:45	8	0	11	3	19	3			10	1	6	4	16	5	
11:00	9	1	12	2	21	3			10	1	11	3	21	4	
11:15	10	0	11	4	21	4			8	1	16	3	24	4	
11:30	8	3	9	1	17	4			9	3	10	1	19	4	
11:45	3	2	11	1	14	3			9	1	9	3	18	4	
Total	372	721	320	801	692	1522			385	612	323	721	708	1333	
Day Total	1093		1121		2214				997		1044		2041		
% Total	16.8%	32.6%	14.5%	36.2%					18.9%	30.0%	15.8%	35.3%			
Peak	-	06:45	03:00	06:45	05:15	06:45	04:45	-	06:45	01:45	06:45	05:15	06:45	03:00	
Vol.	-	161	120	94	126	255	238	-	153	101	93	115	246	209	
P.H.F.		0.544	0.682	0.653	0.788	0.580	0.773		0.546	0.574	0.775	0.846	0.615	0.804	

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

Start Time	07-Oct-13 Mon	08-Oct-13 Tue	09-Oct-13 Wed	10-Oct-13 Thu	11-Oct-13 Fri	12-Oct-13 Sat	13-Oct-13 Sun	Week Average
12:00 AM	*	1	6	*	*	*	*	4
01:00	*	4	2	*	*	*	*	3
02:00	*	0	1	*	*	*	*	0
03:00	*	3	2	*	*	*	*	2
04:00	*	14	13	*	*	*	*	14
05:00	*	20	20	*	*	*	*	20
06:00	*	107	91	*	*	*	*	99
07:00	*	238	241	*	*	*	*	240
08:00	*	111	102	*	*	*	*	106
09:00	*	66	86	*	*	*	*	76
10:00	*	55	62	*	*	*	*	58
11:00	*	73	82	*	*	*	*	78
12:00 PM	*	80	98	*	*	*	*	89
01:00	*	134	132	*	*	*	*	133
02:00	*	185	152	*	*	*	*	168
03:00	*	226	209	*	*	*	*	218
04:00	*	169	138	*	*	*	*	154
05:00	*	222	202	*	*	*	*	212
06:00	*	191	143	*	*	*	*	167
07:00	*	125	126	*	*	*	*	126
08:00	*	98	59	*	*	*	*	78
09:00	*	53	36	*	*	*	*	44
10:00	*	25	22	*	*	*	*	24
11:00	*	14	16	*	*	*	*	15
Total	0	2214	2041	0	0	0	0	2128
Percentage	0.0%	104.0%	95.9%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	238	241	-	-	-	-	240
PM Peak	-	15:00	15:00	-	-	-	-	15:00
Vol.	-	226	209	-	-	-	-	218

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/08/1																
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	4	4	1	0	0	0	0	0	0	0	0	10
05:00	0	0	0	3	4	3	0	0	0	0	0	0	0	0	0	10
06:00	0	5	8	24	14	5	0	0	0	0	0	0	0	0	0	56
07:00	6	1	18	61	45	16	1	0	0	0	0	0	0	0	0	148
08:00	0	1	5	25	26	4	0	0	0	0	0	0	0	0	0	61
09:00	1	1	1	10	12	5	0	0	0	0	0	0	0	0	0	30
10:00	0	0	1	11	7	5	0	0	0	0	0	0	0	0	0	24
11:00	1	0	1	9	15	3	1	0	0	0	0	0	0	0	0	30
12 PM	2	0	2	11	16	3	1	0	0	0	0	0	0	0	0	35
13:00	1	1	12	29	27	5	1	0	0	0	0	0	0	0	0	76
14:00	4	1	3	29	26	14	1	0	0	0	0	0	0	0	0	78
15:00	1	0	9	45	50	15	0	0	0	0	0	0	0	0	0	120
16:00	0	1	3	23	45	8	0	0	0	0	0	0	0	0	0	80
17:00	2	0	6	32	52	11	1	0	0	0	0	0	0	0	0	104
18:00	1	2	2	18	32	9	1	0	0	0	0	0	0	0	0	65
19:00	2	0	4	21	28	9	1	0	0	0	0	0	0	0	0	65
20:00	0	0	4	16	23	13	0	0	0	0	0	0	0	0	0	56
21:00	0	0	2	4	11	4	0	0	0	0	0	0	0	0	0	21
22:00	0	0	0	4	5	3	2	1	0	0	0	0	0	0	0	15
23:00	0	1	0	1	4	0	0	0	0	0	0	0	0	0	0	6
Total	21	14	81	378	447	140	11	1	0	0	0	0	0	0	0	1093

Daily

15th Percentile :	24 MPH
50th Percentile :	30 MPH
85th Percentile :	35 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	737
Percent in Pace :	67.4%
Number of Vehicles > 35 MPH :	152
Percent of Vehicles > 35 MPH :	13.9%

Old Colony Planning Council
70 School Street
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/09/13	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	5	2	1	0	0	0	0	0	0	0	9
05:00	0	0	0	2	5	2	0	0	0	0	0	0	0	0	9
06:00	2	2	6	18	18	3	0	0	0	0	0	0	0	0	49
07:00	3	0	8	54	68	16	3	0	0	0	0	0	0	0	152
08:00	0	2	2	10	28	9	1	0	0	0	0	0	0	0	52
09:00	1	0	3	11	14	10	0	0	0	0	0	0	0	0	39
10:00	0	1	1	12	19	2	0	0	0	0	0	0	0	0	35
11:00	0	0	2	12	15	7	0	0	0	0	0	0	0	0	36
12 PM	1	0	1	17	24	6	0	0	0	0	0	0	0	0	49
13:00	0	0	11	36	28	1	1	0	0	0	0	0	0	0	77
14:00	3	0	2	21	34	9	1	0	0	0	0	0	0	0	70
15:00	1	0	5	19	60	15	1	0	0	0	0	0	0	0	101
16:00	1	1	4	17	26	12	1	0	0	0	0	0	0	0	62
17:00	2	0	2	21	45	22	0	0	0	0	0	0	0	0	92
18:00	2	1	2	23	18	5	0	0	0	0	0	0	0	0	51
19:00	0	2	6	18	24	7	0	0	0	0	0	0	0	0	57
20:00	0	0	1	13	12	1	1	0	0	0	0	0	0	0	28
21:00	0	0	0	3	5	2	0	1	0	0	0	0	0	0	11
22:00	0	0	0	3	2	3	0	0	0	0	0	0	0	0	8
23:00	0	0	0	3	2	1	0	0	0	0	0	0	0	0	6
Total	16	9	56	314	454	137	10	1	0	0	0	0	0	0	997

Daily

15th Percentile : 25 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 697
 Percent in Pace : 69.9%
 Number of Vehicles > 35 MPH : 148
 Percent of Vehicles > 35 MPH : 14.8%

Grand Total	37	23	137	692	901	277	21	2	0	0	0	0	0	0	2090
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Overall

15th Percentile : 25 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

Mean Speed(Average) : 30 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 1435
 Percent in Pace : 68.7%
 Number of Vehicles > 35 MPH : 300
 Percent of Vehicles > 35 MPH : 14.4%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/08/1																
3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	2	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	0
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
04:00	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
05:00	0	1	0	1	4	2	2	0	0	0	0	0	0	0	0	10
06:00	1	1	6	6	26	9	2	0	0	0	0	0	0	0	0	51
07:00	2	3	18	28	26	13	0	0	0	0	0	0	0	0	0	90
08:00	0	0	3	15	21	10	1	0	0	0	0	0	0	0	0	50
09:00	0	0	0	7	14	11	4	0	0	0	0	0	0	0	0	36
10:00	0	0	2	2	15	10	2	0	0	0	0	0	0	0	0	31
11:00	1	0	0	7	14	16	4	1	0	0	0	0	0	0	0	43
12 PM	1	0	0	15	24	4	1	0	0	0	0	0	0	0	0	45
13:00	2	3	1	4	22	22	4	0	0	0	0	0	0	0	0	58
14:00	5	5	7	27	37	25	1	0	0	0	0	0	0	0	0	107
15:00	1	0	6	23	51	19	6	0	0	0	0	0	0	0	0	106
16:00	0	1	2	12	51	21	2	0	0	0	0	0	0	0	0	89
17:00	0	0	4	29	61	23	1	0	0	0	0	0	0	0	0	118
18:00	1	0	4	30	65	25	1	0	0	0	0	0	0	0	0	126
19:00	0	0	3	8	33	15	0	1	0	0	0	0	0	0	0	60
20:00	0	0	1	8	18	14	1	0	0	0	0	0	0	0	0	42
21:00	0	0	1	6	15	8	1	1	0	0	0	0	0	0	0	32
22:00	0	0	0	2	3	4	0	1	0	0	0	0	0	0	0	10
23:00	0	0	0	2	4	2	0	0	0	0	0	0	0	0	0	8
Total	14	14	59	232	506	256	36	4	0	0	0	0	0	0	0	1121

Daily

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

Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	29-38 MPH
Number in Pace :	740
Percent in Pace :	66.0%
Number of Vehicles > 35 MPH :	296
Percent of Vehicles > 35 MPH :	26.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/09/1															
3	0	0	3	0	1	0	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	0	2	1	1	0	0	0	0	0	0	0	4
05:00	0	0	1	2	5	2	1	0	0	0	0	0	0	0	11
06:00	0	0	4	10	19	7	2	0	0	0	0	0	0	0	42
07:00	6	4	11	22	25	19	2	0	0	0	0	0	0	0	89
08:00	1	0	0	10	21	17	1	0	0	0	0	0	0	0	50
09:00	0	0	0	12	19	11	5	0	0	0	0	0	0	0	47
10:00	0	1	2	6	11	6	1	0	0	0	0	0	0	0	27
11:00	0	0	0	8	21	16	1	0	0	0	0	0	0	0	46
12 PM	1	0	1	11	15	18	1	2	0	0	0	0	0	0	49
13:00	0	1	0	15	24	15	0	0	0	0	0	0	0	0	55
14:00	2	2	2	16	41	17	2	0	0	0	0	0	0	0	82
15:00	1	0	3	26	43	32	3	0	0	0	0	0	0	0	108
16:00	0	1	2	10	40	22	1	0	0	0	0	0	0	0	76
17:00	1	0	1	16	63	26	3	0	0	0	0	0	0	0	110
18:00	1	0	3	34	38	15	1	0	0	0	0	0	0	0	92
19:00	0	0	2	11	36	17	2	1	0	0	0	0	0	0	69
20:00	0	0	0	8	18	5	0	0	0	0	0	0	0	0	31
21:00	1	1	0	4	11	8	0	0	0	0	0	0	0	0	25
22:00	0	0	1	3	6	2	2	0	0	0	0	0	0	0	14
23:00	0	0	0	0	5	3	2	0	0	0	0	0	0	0	10
Total	14	10	36	226	465	259	31	3	0	0	0	0	0	0	1044

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

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 29-38 MPH
 Number in Pace : 700
 Percent in Pace : 67.0%
 Number of Vehicles > 35 MPH : 293
 Percent of Vehicles > 35 MPH : 28.1%

Grand Total	28	24	95	458	971	515	67	7	0	0	0	0	0	0	2165
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Overall
 15th Percentile : 26 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 29-38 MPH
 Number in Pace : 1440
 Percent in Pace : 66.5%
 Number of Vehicles > 35 MPH : 589
 Percent of Vehicles > 35 MPH : 27.2%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

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
10/08/1															
3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	0	1	3	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	1	1	0	1	0	0	0	0	0	0	0	3
04:00	0	0	0	1	5	5	3	0	0	0	0	0	0	0	14
05:00	0	1	0	4	8	5	2	0	0	0	0	0	0	0	20
06:00	1	6	14	30	40	14	2	0	0	0	0	0	0	0	107
07:00	8	4	36	89	71	29	1	0	0	0	0	0	0	0	238
08:00	0	1	8	40	47	14	1	0	0	0	0	0	0	0	111
09:00	1	1	1	17	26	16	4	0	0	0	0	0	0	0	66
10:00	0	0	3	13	22	15	2	0	0	0	0	0	0	0	55
11:00	2	0	1	16	29	19	5	1	0	0	0	0	0	0	73
12 PM	3	0	2	26	40	7	2	0	0	0	0	0	0	0	80
13:00	3	4	13	33	49	27	5	0	0	0	0	0	0	0	134
14:00	9	6	10	56	63	39	2	0	0	0	0	0	0	0	185
15:00	2	0	15	68	101	34	6	0	0	0	0	0	0	0	226
16:00	0	2	5	35	96	29	2	0	0	0	0	0	0	0	169
17:00	2	0	10	61	113	34	2	0	0	0	0	0	0	0	222
18:00	2	2	6	48	97	34	2	0	0	0	0	0	0	0	191
19:00	2	0	7	29	61	24	1	1	0	0	0	0	0	0	125
20:00	0	0	5	24	41	27	1	0	0	0	0	0	0	0	98
21:00	0	0	3	10	26	12	1	1	0	0	0	0	0	0	53
22:00	0	0	0	6	8	7	2	2	0	0	0	0	0	0	25
23:00	0	1	0	3	8	2	0	0	0	0	0	0	0	0	14
Total	35	28	140	610	953	396	47	5	0	0	0	0	0	0	2214

Daily

- 15th Percentile : 25 MPH
- 50th Percentile : 31 MPH
- 85th Percentile : 36 MPH
- 95th Percentile : 39 MPH

Mean Speed(Average) : 31 MPH

10 MPH Pace Speed : 27-36 MPH

- Number in Pace : 1452
- Percent in Pace : 65.6%
- Number of Vehicles > 35 MPH : 448
- Percent of Vehicles > 35 MPH : 20.2%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain St

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
10/09/1															
3	0	0	3	0	2	1	0	0	0	0	0	0	0	0	6
01:00	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	1	7	3	2	0	0	0	0	0	0	0	13
05:00	0	0	1	4	10	4	1	0	0	0	0	0	0	0	20
06:00	2	2	10	28	37	10	2	0	0	0	0	0	0	0	91
07:00	9	4	19	76	93	35	5	0	0	0	0	0	0	0	241
08:00	1	2	2	20	49	26	2	0	0	0	0	0	0	0	102
09:00	1	0	3	23	33	21	5	0	0	0	0	0	0	0	86
10:00	0	2	3	18	30	8	1	0	0	0	0	0	0	0	62
11:00	0	0	2	20	36	23	1	0	0	0	0	0	0	0	82
12 PM	2	0	2	28	39	24	1	2	0	0	0	0	0	0	98
13:00	0	1	11	51	52	16	1	0	0	0	0	0	0	0	132
14:00	5	2	4	37	75	26	3	0	0	0	0	0	0	0	152
15:00	2	0	8	45	103	47	4	0	0	0	0	0	0	0	209
16:00	1	2	6	27	66	34	2	0	0	0	0	0	0	0	138
17:00	3	0	3	37	108	48	3	0	0	0	0	0	0	0	202
18:00	3	1	5	57	56	20	1	0	0	0	0	0	0	0	143
19:00	0	2	8	29	60	24	2	1	0	0	0	0	0	0	126
20:00	0	0	1	21	30	6	1	0	0	0	0	0	0	0	59
21:00	1	1	0	7	16	10	0	1	0	0	0	0	0	0	36
22:00	0	0	1	6	8	5	2	0	0	0	0	0	0	0	22
23:00	0	0	0	3	7	4	2	0	0	0	0	0	0	0	16
Total	30	19	92	540	919	396	41	4	0	0	0	0	0	0	2041

Daily

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

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 28-37 MPH
 Number in Pace : 1379
 Percent in Pace : 67.6%
 Number of Vehicles > 35 MPH : 441
 Percent of Vehicles > 35 MPH : 21.6%

Grand Total	65	47	232	1150	1872	792	88	9	0	0	0	0	0	0	4255
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Overall

15th Percentile : 25 MPH
 50th Percentile : 31 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 28-37 MPH
 Number in Pace : 2829
 Percent in Pace : 66.5%
 Number of Vehicles > 35 MPH : 889
 Percent of Vehicles > 35 MPH : 20.9%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/08/1															
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	2	8	0	0	0	0	0	0	0	0	0	0	10	0
05:00	0	7	1	0	2	0	0	0	0	0	0	0	0	10	2
06:00	0	32	9	10	5	0	0	0	0	0	0	0	0	56	15
07:00	0	91	32	14	9	0	0	1	0	0	0	0	0	147	24
08:00	0	36	17	2	3	2	0	1	0	0	0	0	0	61	8
09:00	0	18	10	0	2	0	0	0	0	0	0	0	0	30	2
10:00	0	14	7	1	1	1	0	0	0	0	0	0	0	24	3
11:00	0	20	8	0	1	0	1	0	0	0	0	0	0	30	2
12 PM	0	21	11	2	1	0	0	0	0	0	0	0	0	35	3
13:00	0	40	8	20	8	0	0	0	0	0	0	0	0	76	28
14:00	0	51	18	7	1	0	0	0	0	0	0	0	0	77	8
15:00	1	76	34	2	6	0	0	0	1	0	0	0	0	120	9
16:00	0	52	24	0	4	0	0	0	0	0	0	0	0	80	4
17:00	0	75	25	1	1	0	0	1	0	0	0	0	0	103	3
18:00	0	46	16	1	2	0	0	0	0	0	0	0	0	65	3
19:00	0	50	12	0	2	0	0	0	0	0	0	0	0	64	2
20:00	0	45	10	0	1	0	0	0	0	0	0	0	0	56	1
21:00	0	14	6	0	1	0	0	0	0	0	0	0	0	21	1
22:00	0	12	2	0	1	0	0	0	0	0	0	0	0	15	1
23:00	0	3	2	1	0	0	0	0	0	0	0	0	0	6	1
Total	1	705	263	61	51	3	1	3	1	0	0	0	0	1089	120
Percent	0.1%	64.7%	24.2%	5.6%	4.7%	0.3%	0.1%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		11.0%
AM Peak Vol.		91	32	14	9	2	1	1						147	24
PM Peak Vol.	15:00	15:00	15:00	13:00	13:00				17:00	15:00				15:00	13:00
Vol.	1	76	34	20	8			1	1					120	28

Old Colony Planning Council
70 School Street
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/09/1															
3	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	7	0	0	0	0	0	0	0	0	0	0	9	0
05:00	0	5	2	0	2	0	0	0	0	0	0	0	0	9	2
06:00	0	29	8	11	1	0	0	0	0	0	0	0	0	49	12
07:00	0	99	29	17	5	0	0	1	0	0	0	0	0	151	23
08:00	0	39	9	2	1	0	0	1	0	0	0	0	0	52	4
09:00	0	25	12	0	2	0	0	0	0	0	0	0	0	39	2
10:00	0	25	8	1	1	0	0	0	0	0	0	0	0	35	2
11:00	0	22	12	2	0	0	0	0	0	0	0	0	0	36	2
12 PM	0	32	13	2	2	0	0	0	0	0	0	0	0	49	4
13:00	0	36	8	24	8	1	0	0	0	0	0	0	0	77	33
14:00	0	52	10	5	1	1	0	1	0	0	0	0	0	70	8
15:00	2	72	24	2	1	0	0	0	0	0	0	0	0	101	3
16:00	0	43	17	0	2	0	0	0	0	0	0	0	0	62	2
17:00	0	57	32	0	3	0	0	0	0	0	0	0	0	92	3
18:00	1	33	17	0	0	0	0	0	0	0	0	0	0	51	0
19:00	0	41	14	1	1	0	0	0	0	0	0	0	0	57	2
20:00	0	18	10	0	0	0	0	0	0	0	0	0	0	28	0
21:00	0	8	3	0	0	0	0	0	0	0	0	0	0	11	0
22:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8	0
23:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6	0
Total	3	650	241	67	30	2	0	3	0	0	0	0	0	996	102
Percent	0.3%	65.3%	24.2%	6.7%	3.0%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		10.2%
AM Peak Vol.		99	29	17	5			1						151	23
PM Peak Vol.	15:00	15:00	17:00	13:00	13:00	13:00		14:00						101	33
Grand Total Percent	0.2%	65.0%	24.2%	6.1%	3.9%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		10.6%

Old Colony Planning Council
70 School Street
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/08/1															
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
05:00	0	6	3	0	1	0	0	0	0	0	0	0	0	10	1
06:00	0	36	11	1	3	0	0	0	0	0	0	0	0	51	4
07:00	0	52	13	14	8	2	0	0	0	0	0	0	0	89	24
08:00	0	24	20	1	5	0	0	0	0	0	0	0	0	50	6
09:00	0	19	11	1	4	0	1	0	0	0	0	0	0	36	6
10:00	0	20	10	0	0	0	0	0	1	0	0	0	0	31	1
11:00	0	29	13	0	0	1	0	0	0	0	0	0	0	43	1
12 PM	0	31	6	2	6	0	0	0	0	0	0	0	0	45	8
13:00	1	35	17	2	3	0	0	0	0	0	0	0	0	58	5
14:00	0	81	14	5	6	1	0	0	0	0	0	0	0	107	12
15:00	2	68	26	3	6	0	0	1	0	0	0	0	0	106	10
16:00	0	59	25	1	4	0	0	0	0	0	0	0	0	89	5
17:00	0	87	29	1	1	0	0	0	0	0	0	0	0	118	2
18:00	1	87	36	1	1	0	0	0	0	0	0	0	0	126	2
19:00	1	38	21	0	0	0	0	0	0	0	0	0	0	60	0
20:00	0	32	8	0	2	0	0	0	0	0	0	0	0	42	2
21:00	0	28	3	0	1	0	0	0	0	0	0	0	0	32	1
22:00	0	8	1	0	1	0	0	0	0	0	0	0	0	10	1
23:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
Total	5	753	271	32	52	4	1	1	1	0	0	0	0	1120	91
Percent	0.4%	67.2%	24.2%	2.9%	4.6%	0.4%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		8.1%
AM Peak		07:00	08:00	07:00	07:00	07:00	09:00		10:00					07:00	07:00
Vol.		52	20	14	8	2	1		1					89	24
PM Peak	15:00	17:00	18:00	14:00	12:00	14:00		15:00						18:00	14:00
Vol.	2	87	36	5	6	1		1						126	12

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/09/1															
3	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
05:00	0	5	5	0	1	0	0	0	0	0	0	0	0	11	1
06:00	0	31	7	1	2	1	0	0	0	0	0	0	0	42	4
07:00	1	58	14	11	3	0	0	1	0	0	0	0	0	88	15
08:00	0	23	23	1	3	0	0	0	0	0	0	0	0	50	4
09:00	0	29	10	2	5	0	0	1	0	0	0	0	0	47	8
10:00	0	20	4	1	1	0	0	1	0	0	0	0	0	27	3
11:00	1	34	9	0	1	1	0	0	0	0	0	0	0	46	2
12 PM	0	36	9	1	3	0	0	0	0	0	0	0	0	49	4
13:00	0	42	7	2	3	0	0	1	0	0	0	0	0	55	6
14:00	1	51	21	5	4	0	0	0	0	0	0	0	0	82	9
15:00	2	74	20	4	7	0	0	0	1	0	0	0	0	108	12
16:00	0	59	14	0	2	1	0	0	0	0	0	0	0	76	3
17:00	0	79	30	1	0	0	0	0	0	0	0	0	0	110	1
18:00	2	63	24	1	2	0	0	0	0	0	0	0	0	92	3
19:00	1	49	19	0	0	0	0	0	0	0	0	0	0	69	0
20:00	0	25	6	0	0	0	0	0	0	0	0	0	0	31	0
21:00	0	17	7	0	1	0	0	0	0	0	0	0	0	25	1
22:00	0	11	2	0	1	0	0	0	0	0	0	0	0	14	1
23:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
Total	8	721	237	30	39	3	0	4	1	0	0	0	0	1043	77
Percent	0.8%	69.1%	22.7%	2.9%	3.7%	0.3%	0.0%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		7.4%
AM Peak Vol.	1	58	23	11	5	1		1						88	15
PM Peak Vol.	2	79	30	5	7	1		1	1					110	12
Grand Total	13	1474	508	62	91	7	1	5	2	0	0	0	0	2163	168
Percent	0.6%	68.1%	23.5%	2.9%	4.2%	0.3%	0.0%	0.2%	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
www.ocpcrpa.org

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/08/1															
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3	0
04:00	0	4	10	0	0	0	0	0	0	0	0	0	0	14	0
05:00	0	13	4	0	3	0	0	0	0	0	0	0	0	20	3
06:00	0	68	20	11	8	0	0	0	0	0	0	0	0	107	19
07:00	0	143	45	28	17	2	0	1	0	0	0	0	0	236	48
08:00	0	60	37	3	8	2	0	1	0	0	0	0	0	111	14
09:00	0	37	21	1	6	0	1	0	0	0	0	0	0	66	8
10:00	0	34	17	1	1	1	0	0	1	0	0	0	0	55	4
11:00	0	49	21	0	1	1	1	0	0	0	0	0	0	73	3
12 PM	0	52	17	4	7	0	0	0	0	0	0	0	0	80	11
13:00	1	75	25	22	11	0	0	0	0	0	0	0	0	134	33
14:00	0	132	32	12	7	1	0	0	0	0	0	0	0	184	20
15:00	3	144	60	5	12	0	0	1	1	0	0	0	0	226	19
16:00	0	111	49	1	8	0	0	0	0	0	0	0	0	169	9
17:00	0	162	54	2	2	0	0	1	0	0	0	0	0	221	5
18:00	1	133	52	2	3	0	0	0	0	0	0	0	0	191	5
19:00	1	88	33	0	2	0	0	0	0	0	0	0	0	124	2
20:00	0	77	18	0	3	0	0	0	0	0	0	0	0	98	3
21:00	0	42	9	0	2	0	0	0	0	0	0	0	0	53	2
22:00	0	20	3	0	2	0	0	0	0	0	0	0	0	25	2
23:00	0	9	4	1	0	0	0	0	0	0	0	0	0	14	1
Total	6	1458	534	93	103	7	2	4	2	0	0	0	0	2209	211
Percent	0.3%	66.0%	24.2%	4.2%	4.7%	0.3%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		9.6%
AM Peak		07:00	07:00	07:00	07:00	07:00	09:00	07:00	10:00					07:00	07:00
Vol.		143	45	28	17	2	1	1	1					236	48
PM Peak	15:00	17:00	15:00	13:00	15:00	14:00		15:00	15:00					15:00	13:00
Vol.	3	162	60	22	12	1		1	1					226	33

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, north of Plain 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
10/09/1															
3	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	5	8	0	0	0	0	0	0	0	0	0	0	13	0
05:00	0	10	7	0	3	0	0	0	0	0	0	0	0	20	3
06:00	0	60	15	12	3	1	0	0	0	0	0	0	0	91	16
07:00	1	157	43	28	8	0	0	2	0	0	0	0	0	239	38
08:00	0	62	32	3	4	0	0	1	0	0	0	0	0	102	8
09:00	0	54	22	2	7	0	0	1	0	0	0	0	0	86	10
10:00	0	45	12	2	2	0	0	1	0	0	0	0	0	62	5
11:00	1	56	21	2	1	1	0	0	0	0	0	0	0	82	4
12 PM	0	68	22	3	5	0	0	0	0	0	0	0	0	98	8
13:00	0	78	15	26	11	1	0	1	0	0	0	0	0	132	39
14:00	1	103	31	10	5	1	0	1	0	0	0	0	0	152	17
15:00	4	146	44	6	8	0	0	0	1	0	0	0	0	209	15
16:00	0	102	31	0	4	1	0	0	0	0	0	0	0	138	5
17:00	0	136	62	1	3	0	0	0	0	0	0	0	0	202	4
18:00	3	96	41	1	2	0	0	0	0	0	0	0	0	143	3
19:00	1	90	33	1	1	0	0	0	0	0	0	0	0	126	2
20:00	0	43	16	0	0	0	0	0	0	0	0	0	0	59	0
21:00	0	25	10	0	1	0	0	0	0	0	0	0	0	36	1
22:00	0	16	5	0	1	0	0	0	0	0	0	0	0	22	1
23:00	0	10	6	0	0	0	0	0	0	0	0	0	0	16	0
Total	11	1371	478	97	69	5	0	7	1	0	0	0	0	2039	179
Percent	0.5%	67.2%	23.4%	4.8%	3.4%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		8.8%
AM Peak	07:00	07:00	07:00	07:00	07:00	06:00		07:00						07:00	07:00
Vol.	1	157	43	28	8	1		2						239	38
PM Peak	15:00	15:00	17:00	13:00	13:00	13:00		13:00	15:00					15:00	13:00
Vol.	4	146	62	26	11	1		1	1					209	39
Grand Total	17	2829	1012	190	172	12	2	11	3	0	0	0	0	4248	390
Percent	0.4%	66.6%	23.8%	4.5%	4.0%	0.3%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%		9.2%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

Start Time	07-Oct-13		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	1	0	2	1	*	*	*	*	*	*	*	*	2	0
01:00	*	*	1	3	0	2	*	*	*	*	*	*	*	*	0	2
02:00	*	*	0	0	2	0	*	*	*	*	*	*	*	*	1	0
03:00	*	*	2	1	0	2	*	*	*	*	*	*	*	*	1	2
04:00	*	*	11	2	9	3	*	*	*	*	*	*	*	*	10	2
05:00	*	*	9	6	10	7	*	*	*	*	*	*	*	*	10	6
06:00	*	*	42	45	35	36	*	*	*	*	*	*	*	*	38	40
07:00	*	*	141	104	160	101	*	*	*	*	*	*	*	*	150	102
08:00	*	*	70	44	74	41	*	*	*	*	*	*	*	*	72	42
09:00	*	*	34	37	31	28	*	*	*	*	*	*	*	*	32	32
10:00	*	*	28	27	33	21	*	*	*	*	*	*	*	*	30	24
11:00	*	*	35	34	28	32	*	*	*	*	*	*	*	*	32	33
12:00 PM	*	*	35	38	32	39	*	*	*	*	*	*	*	*	34	38
01:00	*	*	91	49	91	48	*	*	*	*	*	*	*	*	91	48
02:00	*	*	90	87	64	75	*	*	*	*	*	*	*	*	77	81
03:00	*	*	133	106	101	85	*	*	*	*	*	*	*	*	117	96
04:00	*	*	85	90	58	62	*	*	*	*	*	*	*	*	72	76
05:00	*	*	82	108	70	103	*	*	*	*	*	*	*	*	76	106
06:00	*	*	52	105	50	62	*	*	*	*	*	*	*	*	51	84
07:00	*	*	59	59	47	54	*	*	*	*	*	*	*	*	53	56
08:00	*	*	51	42	23	22	*	*	*	*	*	*	*	*	37	32
09:00	*	*	21	27	10	17	*	*	*	*	*	*	*	*	16	22
10:00	*	*	11	10	3	14	*	*	*	*	*	*	*	*	7	12
11:00	*	*	4	6	8	6	*	*	*	*	*	*	*	*	6	6
Total Day	0	0	1088	1030	941	861	0	0	0	0	0	0	0	0	1015	942
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	141	104	160	101	-	-	-	-	-	-	-	-	150	102
PM Peak	-	-	15:00	17:00	15:00	17:00	-	-	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	133	108	101	103	-	-	-	-	-	-	-	-	117	106

Comb. Total	0	2118	1802	0	0	0	0	1957
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

Start Time	08-Oct-13 Tue		NB		SB		Combined		09-Oct-13 Wed	NB		SB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	0	8	0	12	0	12	0	20	1	8	1	12	2	20	
12:15	0	5	0	9	0	9	0	14	1	4	0	11	1	15	
12:30	1	13	0	7	1	7	1	20	0	12	0	8	0	20	
12:45	0	9	0	10	0	10	0	19	0	8	0	8	0	16	
01:00	0	9	2	12	2	12	2	21	0	7	2	9	2	16	
01:15	0	5	1	12	1	12	1	17	0	16	0	11	0	27	
01:30	1	14	0	10	1	10	1	24	0	9	0	17	0	26	
01:45	0	63	0	15	0	15	0	78	0	59	0	11	0	70	
02:00	0	14	0	17	0	17	0	31	1	21	0	25	1	46	
02:15	0	12	0	16	0	16	0	28	1	13	0	15	1	28	
02:30	0	26	0	24	0	24	0	50	0	11	0	16	0	27	
02:45	0	38	0	30	0	30	0	68	0	19	0	19	0	38	
03:00	1	27	0	15	1	15	1	42	0	23	0	19	0	42	
03:15	0	25	1	21	1	21	1	46	0	38	1	21	1	59	
03:30	1	36	0	37	1	37	1	73	0	18	0	16	0	34	
03:45	0	45	0	33	0	33	0	78	0	22	1	29	1	51	
04:00	2	25	0	29	2	29	2	54	2	23	0	19	2	42	
04:15	0	21	0	17	0	17	0	38	1	11	0	11	1	22	
04:30	2	16	1	22	3	22	3	38	2	12	0	18	2	30	
04:45	7	23	1	22	8	22	8	45	4	12	3	14	7	26	
05:00	2	24	1	25	3	25	3	49	3	21	1	18	4	39	
05:15	2	26	0	31	2	31	2	57	3	17	0	40	3	57	
05:30	4	21	2	33	6	33	6	54	1	23	3	22	4	45	
05:45	1	11	3	19	4	19	4	30	3	9	3	23	6	32	
06:00	5	6	9	27	14	27	14	33	7	15	5	19	12	34	
06:15	7	14	3	31	10	31	10	45	3	18	4	15	7	33	
06:30	11	17	11	20	22	20	22	37	12	10	9	12	21	22	
06:45	19	15	22	27	41	27	41	42	13	7	18	16	31	23	
07:00	40	22	34	22	74	22	74	44	52	11	38	12	90	23	
07:15	69	14	43	11	112	11	112	25	75	10	38	17	113	27	
07:30	20	11	11	19	31	19	31	30	17	17	17	12	34	29	
07:45	12	12	16	7	28	7	28	19	16	9	8	13	24	22	
08:00	12	20	9	11	21	11	21	31	11	7	14	7	25	14	
08:15	8	10	12	8	20	8	20	18	12	6	9	6	21	12	
08:30	35	14	13	12	48	12	48	26	29	4	12	4	41	8	
08:45	15	7	10	11	25	11	25	18	22	6	6	5	28	11	
09:00	13	2	10	11	23	11	23	13	11	4	5	9	16	13	
09:15	7	12	10	8	17	8	17	20	8	2	12	1	20	3	
09:30	8	2	10	5	18	5	18	7	5	2	4	4	9	6	
09:45	6	5	7	3	13	3	13	8	7	2	7	3	14	5	
10:00	9	6	8	2	17	2	17	8	5	2	5	2	10	4	
10:15	7	4	6	5	13	5	13	9	8	1	7	3	15	4	
10:30	9	1	5	1	14	1	14	2	12	0	6	5	18	5	
10:45	3	0	8	2	11	2	11	2	8	0	3	4	11	4	
11:00	11	1	12	2	23	2	23	3	4	1	7	3	11	4	
11:15	13	1	8	3	21	3	21	4	4	3	9	2	13	5	
11:30	9	2	5	0	14	0	14	2	10	3	9	0	19	3	
11:45	2	0	9	1	11	1	11	1	10	1	7	1	17	2	
Total	374	714	303	727	677	1441			384	557	274	587	658	1144	
Day Total	1088		1030		2118				941		861		1802		
% Total	17.7%	33.7%	14.3%	34.3%					21.3%	30.9%	15.2%	32.6%			
Peak	-	06:45	03:00	06:30	03:15	06:45	03:15		-	07:00	01:15	06:45	05:15	06:45	03:00
Vol.	-	148	133	110	120	258	251		-	160	105	111	104	268	186
P.H.F.		0.536	0.739	0.640	0.811	0.576	0.804			0.533	0.445	0.730	0.650	0.593	0.788

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

Start Time	07-Oct-13 Mon	08-Oct-13 Tue	09-Oct-13 Wed	10-Oct-13 Thu	11-Oct-13 Fri	12-Oct-13 Sat	13-Oct-13 Sun	Week Average
12:00 AM	*	1	3	*	*	*	*	2
01:00	*	4	2	*	*	*	*	3
02:00	*	0	2	*	*	*	*	1
03:00	*	3	2	*	*	*	*	2
04:00	*	13	12	*	*	*	*	12
05:00	*	15	17	*	*	*	*	16
06:00	*	87	71	*	*	*	*	79
07:00	*	245	261	*	*	*	*	253
08:00	*	114	115	*	*	*	*	114
09:00	*	71	59	*	*	*	*	65
10:00	*	55	54	*	*	*	*	54
11:00	*	69	60	*	*	*	*	64
12:00 PM	*	73	71	*	*	*	*	72
01:00	*	140	139	*	*	*	*	140
02:00	*	177	139	*	*	*	*	158
03:00	*	239	186	*	*	*	*	212
04:00	*	175	120	*	*	*	*	148
05:00	*	190	173	*	*	*	*	182
06:00	*	157	112	*	*	*	*	134
07:00	*	118	101	*	*	*	*	110
08:00	*	93	45	*	*	*	*	69
09:00	*	48	27	*	*	*	*	38
10:00	*	21	17	*	*	*	*	19
11:00	*	10	14	*	*	*	*	12
Total	0	2118	1802	0	0	0	0	1959
Percentage	0.0%	108.1%	92.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	245	261	-	-	-	-	253
PM Peak	-	15:00	15:00	-	-	-	-	15:00
Vol.	-	239	186	-	-	-	-	212

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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/08/1															
3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
04:00	0	0	0	2	6	3	0	0	0	0	0	0	0	0	11
05:00	0	0	0	3	6	0	0	0	0	0	0	0	0	0	9
06:00	3	0	6	16	10	6	1	0	0	0	0	0	0	0	42
07:00	12	5	32	42	41	6	3	0	0	0	0	0	0	0	141
08:00	5	0	7	33	18	6	1	0	0	0	0	0	0	0	70
09:00	0	0	1	9	18	6	0	0	0	0	0	0	0	0	34
10:00	2	1	1	10	11	3	0	0	0	0	0	0	0	0	28
11:00	0	1	5	7	18	2	2	0	0	0	0	0	0	0	35
12 PM	0	0	1	12	19	2	1	0	0	0	0	0	0	0	35
13:00	37	5	5	18	22	3	1	0	0	0	0	0	0	0	91
14:00	5	3	6	33	33	10	0	0	0	0	0	0	0	0	90
15:00	7	2	15	76	27	6	0	0	0	0	0	0	0	0	133
16:00	2	1	7	27	37	11	0	0	0	0	0	0	0	0	85
17:00	3	0	3	35	36	5	0	0	0	0	0	0	0	0	82
18:00	2	0	1	23	19	6	1	0	0	0	0	0	0	0	52
19:00	0	0	6	28	22	2	1	0	0	0	0	0	0	0	59
20:00	0	1	2	23	21	4	0	0	0	0	0	0	0	0	51
21:00	0	0	2	9	8	2	0	0	0	0	0	0	0	0	21
22:00	0	0	0	5	6	0	0	0	0	0	0	0	0	0	11
23:00	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
Total	78	19	100	415	382	83	11	0	0	0	0	0	0	0	1088

Daily

15th Percentile :	19 MPH
50th Percentile :	28 MPH
85th Percentile :	34 MPH
95th Percentile :	37 MPH
Mean Speed(Average) :	27 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	678
Percent in Pace :	62.3%
Number of Vehicles > 30 MPH :	476
Percent of Vehicles > 30 MPH :	43.8%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain 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
10/09/13	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	1	6	2	0	0	0	0	0	0	0	0	9
05:00	0	0	0	3	7	0	0	0	0	0	0	0	0	0	10
06:00	2	0	3	10	15	4	1	0	0	0	0	0	0	0	35
07:00	17	6	26	55	42	12	2	0	0	0	0	0	0	0	160
08:00	4	3	8	28	22	7	2	0	0	0	0	0	0	0	74
09:00	1	0	2	9	15	4	0	0	0	0	0	0	0	0	31
10:00	1	0	5	11	13	3	0	0	0	0	0	0	0	0	33
11:00	0	1	5	12	9	1	0	0	0	0	0	0	0	0	28
12 PM	2	0	1	14	14	1	0	0	0	0	0	0	0	0	32
13:00	33	8	6	18	21	5	0	0	0	0	0	0	0	0	91
14:00	3	2	1	23	26	9	0	0	0	0	0	0	0	0	64
15:00	13	3	15	33	35	2	0	0	0	0	0	0	0	0	101
16:00	3	1	11	19	21	2	1	0	0	0	0	0	0	0	58
17:00	3	0	5	19	33	9	1	0	0	0	0	0	0	0	70
18:00	1	0	5	25	17	2	0	0	0	0	0	0	0	0	50
19:00	0	1	5	23	17	1	0	0	0	0	0	0	0	0	47
20:00	0	0	3	8	12	0	0	0	0	0	0	0	0	0	23
21:00	0	0	0	4	5	1	0	0	0	0	0	0	0	0	10
22:00	0	0	0	1	1	1	0	0	0	0	0	0	0	0	3
23:00	0	0	1	3	4	0	0	0	0	0	0	0	0	0	8
Total	83	25	102	321	336	67	7	0	0	0	0	0	0	0	941

Daily

15th Percentile : 14 MPH
 50th Percentile : 28 MPH
 85th Percentile : 33 MPH
 95th Percentile : 36 MPH

Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 552
 Percent in Pace : 58.7%
 Number of Vehicles > 30 MPH : 410
 Percent of Vehicles > 30 MPH : 43.6%

Grand Total	161	44	202	736	718	150	18	0	0	0	0	0	0	0	2029
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Overall

15th Percentile : 16 MPH
 50th Percentile : 28 MPH
 85th Percentile : 34 MPH
 95th Percentile : 36 MPH

Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 1230
 Percent in Pace : 60.6%
 Number of Vehicles > 30 MPH : 886
 Percent of Vehicles > 30 MPH : 43.7%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/08/1																
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	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	0
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
04:00	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
05:00	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6
06:00	3	0	2	8	22	7	3	0	0	0	0	0	0	0	0	45
07:00	7	8	18	22	30	19	0	0	0	0	0	0	0	0	0	104
08:00	1	0	3	7	18	14	1	0	0	0	0	0	0	0	0	44
09:00	1	0	2	4	15	9	6	0	0	0	0	0	0	0	0	37
10:00	1	1	1	3	13	7	1	0	0	0	0	0	0	0	0	27
11:00	0	0	0	7	16	7	4	0	0	0	0	0	0	0	0	34
12 PM	0	0	1	12	15	8	2	0	0	0	0	0	0	0	0	38
13:00	0	2	3	9	20	13	2	0	0	0	0	0	0	0	0	49
14:00	0	4	3	35	26	17	2	0	0	0	0	0	0	0	0	87
15:00	4	1	2	18	48	29	4	0	0	0	0	0	0	0	0	106
16:00	1	0	1	19	48	19	2	0	0	0	0	0	0	0	0	90
17:00	1	1	1	20	59	25	1	0	0	0	0	0	0	0	0	108
18:00	3	1	0	17	53	29	2	0	0	0	0	0	0	0	0	105
19:00	0	1	0	11	21	19	6	1	0	0	0	0	0	0	0	59
20:00	0	0	1	10	17	13	1	0	0	0	0	0	0	0	0	42
21:00	0	0	0	4	10	8	5	0	0	0	0	0	0	0	0	27
22:00	0	0	0	1	7	1	1	0	0	0	0	0	0	0	0	10
23:00	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	6
Total	22	19	38	210	446	249	45	1	0	0	0	0	0	0	0	1030

Daily

15th Percentile :	26 MPH
50th Percentile :	32 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	29-38 MPH
Number in Pace :	662
Percent in Pace :	64.3%
Number of Vehicles > 30 MPH :	741
Percent of Vehicles > 30 MPH :	71.9%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain 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
10/09/13	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
01:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
04:00	0	0	1	0	1	1	0	0	0	0	0	0	0	0	3
05:00	0	0	0	1	5	1	0	0	0	0	0	0	0	0	7
06:00	0	0	1	7	17	10	1	0	0	0	0	0	0	0	36
07:00	4	2	22	25	35	9	4	0	0	0	0	0	0	0	101
08:00	0	0	0	7	20	12	2	0	0	0	0	0	0	0	41
09:00	1	0	0	5	8	10	4	0	0	0	0	0	0	0	28
10:00	0	0	2	6	7	5	1	0	0	0	0	0	0	0	21
11:00	0	0	1	10	12	9	0	0	0	0	0	0	0	0	32
12 PM	0	0	3	9	18	8	1	0	0	0	0	0	0	0	39
13:00	1	3	6	11	16	9	2	0	0	0	0	0	0	0	48
14:00	1	0	1	17	36	15	5	0	0	0	0	0	0	0	75
15:00	3	3	5	24	36	10	4	0	0	0	0	0	0	0	85
16:00	3	2	5	12	21	17	2	0	0	0	0	0	0	0	62
17:00	3	0	5	14	48	30	2	1	0	0	0	0	0	0	103
18:00	0	1	3	15	27	15	1	0	0	0	0	0	0	0	62
19:00	1	0	0	7	22	18	6	0	0	0	0	0	0	0	54
20:00	0	0	2	3	12	5	0	0	0	0	0	0	0	0	22
21:00	0	0	0	6	6	3	2	0	0	0	0	0	0	0	17
22:00	0	1	1	2	6	4	0	0	0	0	0	0	0	0	14
23:00	1	0	1	0	3	1	0	0	0	0	0	0	0	0	6
Total	18	13	60	181	357	194	37	1	0	0	0	0	0	0	861

Daily

15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 29-38 MPH
 Number in Pace : 533
 Percent in Pace : 61.9%
 Number of Vehicles > 30 MPH : 589
 Percent of Vehicles > 30 MPH : 68.4%

Grand Total	40	32	98	391	803	443	82	2	0	0	0	0	0	0	1891
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Overall

15th Percentile : 25 MPH
 50th Percentile : 32 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 29-38 MPH
 Number in Pace : 1195
 Percent in Pace : 63.2%
 Number of Vehicles > 30 MPH : 1330
 Percent of Vehicles > 30 MPH : 70.3%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

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
10/08/1															
3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
01:00	0	0	0	1	2	1	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	1	0	0	0	0	0	0	0	0	3
04:00	0	0	0	3	6	3	1	0	0	0	0	0	0	0	13
05:00	0	0	0	5	10	0	0	0	0	0	0	0	0	0	15
06:00	6	0	8	24	32	13	4	0	0	0	0	0	0	0	87
07:00	19	13	50	64	71	25	3	0	0	0	0	0	0	0	245
08:00	6	0	10	40	36	20	2	0	0	0	0	0	0	0	114
09:00	1	0	3	13	33	15	6	0	0	0	0	0	0	0	71
10:00	3	2	2	13	24	10	1	0	0	0	0	0	0	0	55
11:00	0	1	5	14	34	9	6	0	0	0	0	0	0	0	69
12 PM	0	0	2	24	34	10	3	0	0	0	0	0	0	0	73
13:00	37	7	8	27	42	16	3	0	0	0	0	0	0	0	140
14:00	5	7	9	68	59	27	2	0	0	0	0	0	0	0	177
15:00	11	3	17	94	75	35	4	0	0	0	0	0	0	0	239
16:00	3	1	8	46	85	30	2	0	0	0	0	0	0	0	175
17:00	4	1	4	55	95	30	1	0	0	0	0	0	0	0	190
18:00	5	1	1	40	72	35	3	0	0	0	0	0	0	0	157
19:00	0	1	6	39	43	21	7	1	0	0	0	0	0	0	118
20:00	0	1	3	33	38	17	1	0	0	0	0	0	0	0	93
21:00	0	0	2	13	18	10	5	0	0	0	0	0	0	0	48
22:00	0	0	0	6	13	1	1	0	0	0	0	0	0	0	21
23:00	0	0	0	2	4	3	1	0	0	0	0	0	0	0	10
Total	100	38	138	625	828	332	56	1	0	0	0	0	0	0	2118

Daily

15th Percentile :	23 MPH
50th Percentile :	30 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	27-36 MPH
Number in Pace :	1295
Percent in Pace :	61.1%
Number of Vehicles > 30 MPH :	1217
Percent of Vehicles > 30 MPH :	57.5%

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Community: Pembroke
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 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain St

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
10/09/1															
3	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
01:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
04:00	0	0	1	1	7	3	0	0	0	0	0	0	0	0	12
05:00	0	0	0	4	12	1	0	0	0	0	0	0	0	0	17
06:00	2	0	4	17	32	14	2	0	0	0	0	0	0	0	71
07:00	21	8	48	80	77	21	6	0	0	0	0	0	0	0	261
08:00	4	3	8	35	42	19	4	0	0	0	0	0	0	0	115
09:00	2	0	2	14	23	14	4	0	0	0	0	0	0	0	59
10:00	1	0	7	17	20	8	1	0	0	0	0	0	0	0	54
11:00	0	1	6	22	21	10	0	0	0	0	0	0	0	0	60
12 PM	2	0	4	23	32	9	1	0	0	0	0	0	0	0	71
13:00	34	11	12	29	37	14	2	0	0	0	0	0	0	0	139
14:00	4	2	2	40	62	24	5	0	0	0	0	0	0	0	139
15:00	16	6	20	57	71	12	4	0	0	0	0	0	0	0	186
16:00	6	3	16	31	42	19	3	0	0	0	0	0	0	0	120
17:00	6	0	10	33	81	39	3	1	0	0	0	0	0	0	173
18:00	1	1	8	40	44	17	1	0	0	0	0	0	0	0	112
19:00	1	1	5	30	39	19	6	0	0	0	0	0	0	0	101
20:00	0	0	5	11	24	5	0	0	0	0	0	0	0	0	45
21:00	0	0	0	10	11	4	2	0	0	0	0	0	0	0	27
22:00	0	1	1	3	7	5	0	0	0	0	0	0	0	0	17
23:00	1	0	2	3	7	1	0	0	0	0	0	0	0	0	14
Total	101	38	162	502	693	261	44	1	0	0	0	0	0	0	1802

Daily
 15th Percentile : 21 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 1057
 Percent in Pace : 58.7%
 Number of Vehicles > 30 MPH : 999
 Percent of Vehicles > 30 MPH : 55.4%

Grand Total	201	76	300	1127	1521	593	100	2	0	0	0	0	0	0	3920
--------------------	------------	-----------	------------	-------------	-------------	------------	------------	----------	----------	----------	----------	----------	----------	----------	-------------

Overall
 15th Percentile : 22 MPH
 50th Percentile : 30 MPH
 85th Percentile : 35 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 29 MPH
 10 MPH Pace Speed : 27-36 MPH
 Number in Pace : 2352
 Percent in Pace : 60.0%
 Number of Vehicles > 30 MPH : 2216
 Percent of Vehicles > 30 MPH : 56.5%

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

Community: Pembroke
 Com#_UR/FC: 231_U5
 Recorder #: 19651
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain 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
10/08/1															
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2	1
04:00	0	2	5	0	4	0	0	0	0	0	0	0	0	11	4
05:00	0	6	1	0	2	0	0	0	0	0	0	0	0	9	2
06:00	0	25	10	2	5	0	0	0	0	0	0	0	0	42	7
07:00	0	88	33	14	5	0	0	0	0	0	0	0	0	140	19
08:00	0	31	14	17	5	1	0	1	0	0	0	0	0	69	24
09:00	0	20	10	1	3	0	0	0	0	0	0	0	0	34	4
10:00	1	10	10	0	6	1	0	0	0	0	0	0	0	28	7
11:00	0	26	8	0	0	0	1	0	0	0	0	0	0	35	1
12 PM	0	20	9	1	5	0	0	0	0	0	0	0	0	35	6
13:00	8	50	18	10	5	0	0	0	0	0	0	0	0	91	15
14:00	2	56	25	1	5	0	0	0	0	0	0	0	0	89	6
15:00	1	69	31	22	9	1	0	0	0	0	0	0	0	133	32
16:00	0	60	24	0	1	0	0	0	0	0	0	0	0	85	1
17:00	0	57	21	1	3	0	0	0	0	0	0	0	0	82	4
18:00	0	33	17	0	2	0	0	0	0	0	0	0	0	52	2
19:00	0	44	11	1	3	0	0	0	0	0	0	0	0	59	4
20:00	0	40	9	0	2	0	0	0	0	0	0	0	0	51	2
21:00	0	15	5	0	1	0	0	0	0	0	0	0	0	21	1
22:00	0	7	3	0	1	0	0	0	0	0	0	0	0	11	1
23:00	0	2	1	1	0	0	0	0	0	0	0	0	0	4	1
Total	12	662	267	71	68	3	1	1	0	0	0	0	0	1085	144
Percent	1.1%	61.0%	24.6%	6.5%	6.3%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		13.3%
AM Peak Vol.	10:00	07:00	07:00	08:00	10:00	08:00	11:00	08:00						07:00	08:00
PM Peak Vol.	13:00	15:00	15:00	15:00	15:00	15:00								15:00	15:00
AM Peak Vol.	1	88	33	17	6	1	1	1						140	24
PM Peak Vol.	8	69	31	22	9	1								133	32

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
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 Lake St, south of Plain 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
10/09/1															
3	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	4	0	4	0	0	0	0	0	0	0	0	9	4
05:00	0	4	4	0	2	0	0	0	0	0	0	0	0	10	2
06:00	0	25	6	2	2	0	0	0	0	0	0	0	0	35	4
07:00	1	96	36	19	7	0	0	1	0	0	0	0	0	160	27
08:00	0	36	14	20	3	0	0	1	0	0	0	0	0	74	24
09:00	0	20	10	0	1	0	0	0	0	0	0	0	0	31	1
10:00	1	22	7	0	3	0	0	0	0	0	0	0	0	33	3
11:00	0	11	16	0	1	0	0	0	0	0	0	0	0	28	1
12 PM	1	20	5	0	4	1	0	1	0	0	0	0	0	32	6
13:00	9	45	19	11	6	1	0	0	0	0	0	0	0	91	18
14:00	0	43	19	1	1	0	0	0	0	0	0	0	0	64	2
15:00	2	53	22	18	4	0	0	0	0	0	0	0	0	99	22
16:00	0	40	12	1	4	0	0	1	0	0	0	0	0	58	6
17:00	0	45	20	0	5	0	0	0	0	0	0	0	0	70	5
18:00	0	26	20	1	3	0	0	0	0	0	0	0	0	50	4
19:00	0	29	14	1	3	0	0	0	0	0	0	0	0	47	4
20:00	0	16	7	0	0	0	0	0	0	0	0	0	0	23	0
21:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
22:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3	0
23:00	0	3	3	0	2	0	0	0	0	0	0	0	0	8	2
Total	14	548	242	74	55	2	0	4	0	0	0	0	0	939	135
Percent	1.5%	58.4%	25.8%	7.9%	5.9%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%		14.4%
AM Peak	07:00	07:00	07:00	08:00	07:00			07:00						07:00	07:00
Vol.	1	96	36	20	7			1						160	27
PM Peak	13:00	15:00	15:00	15:00	13:00	12:00		12:00						15:00	15:00
Vol.	9	53	22	18	6	1		1						99	22
Grand Total	26	1210	509	145	123	5	1	5	0	0	0	0	0	2024	279
Percent	1.3%	59.8%	25.1%	7.2%	6.1%	0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		13.8%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
 Date End: 09-Oct-13
 Lake St, south of Plain 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
10/08/1															
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	3	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	3	2	0	1	0	0	0	0	0	0	0	0	6	1
06:00	0	24	17	2	2	0	0	0	0	0	0	0	0	45	4
07:00	0	55	28	13	4	2	0	1	0	0	0	0	0	103	20
08:00	0	23	13	0	8	0	0	0	0	0	0	0	0	44	8
09:00	0	14	16	0	6	0	1	0	0	0	0	0	0	37	7
10:00	0	18	7	0	1	0	0	1	0	0	0	0	0	27	2
11:00	0	15	13	2	2	1	0	1	0	0	0	0	0	34	6
12 PM	0	24	8	2	4	0	0	0	0	0	0	0	0	38	6
13:00	0	21	17	5	6	0	0	0	0	0	0	0	0	49	11
14:00	0	50	29	2	5	1	0	0	0	0	0	0	0	87	8
15:00	0	57	35	3	10	0	0	0	0	0	0	0	0	105	13
16:00	0	52	25	0	13	0	0	0	0	0	0	0	0	90	13
17:00	0	66	35	0	7	0	0	0	0	0	0	0	0	108	7
18:00	0	60	33	0	12	0	0	0	0	0	0	0	0	105	12
19:00	1	28	25	0	5	0	0	0	0	0	0	0	0	59	5
20:00	0	28	8	0	6	0	0	0	0	0	0	0	0	42	6
21:00	0	18	7	0	2	0	0	0	0	0	0	0	0	27	2
22:00	0	7	2	0	1	0	0	0	0	0	0	0	0	10	1
23:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
Total	1	569	325	29	96	4	1	3	0	0	0	0	0	1028	133
Percent	0.1%	55.4%	31.6%	2.8%	9.3%	0.4%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak		07:00	07:00	07:00	08:00	07:00	09:00	07:00						07:00	07:00
Vol.		55	28	13	8	2	1	1						103	20
PM Peak	19:00	17:00	15:00	13:00	16:00	14:00								17:00	15:00
Vol.	1	66	35	5	13	1								108	13

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 08-Oct-13
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 Lake St, south of Plain 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
10/09/1															
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
05:00	0	2	3	0	2	0	0	0	0	0	0	0	0	7	2
06:00	0	18	15	1	1	1	0	0	0	0	0	0	0	36	3
07:00	0	49	31	14	4	0	0	2	0	0	0	0	0	100	20
08:00	0	16	20	0	4	0	0	1	0	0	0	0	0	41	5
09:00	0	17	6	0	5	0	0	0	0	0	0	0	0	28	5
10:00	0	11	7	1	1	0	0	1	0	0	0	0	0	21	3
11:00	1	19	7	1	4	0	0	0	0	0	0	0	0	32	5
12 PM	0	26	6	2	5	0	0	0	0	0	0	0	0	39	7
13:00	0	27	11	7	3	0	0	0	0	0	0	0	0	48	10
14:00	1	38	25	1	9	0	0	1	0	0	0	0	0	75	11
15:00	0	57	20	1	7	0	0	0	0	0	0	0	0	85	8
16:00	1	35	17	0	8	1	0	0	0	0	0	0	0	62	9
17:00	0	51	44	0	8	0	0	0	0	0	0	0	0	103	8
18:00	0	33	22	0	6	1	0	0	0	0	0	0	0	62	7
19:00	1	27	23	0	3	0	0	0	0	0	0	0	0	54	3
20:00	0	10	12	0	0	0	0	0	0	0	0	0	0	22	0
21:00	0	8	6	0	3	0	0	0	0	0	0	0	0	17	3
22:00	0	10	3	0	1	0	0	0	0	0	0	0	0	14	1
23:00	0	2	3	0	1	0	0	0	0	0	0	0	0	6	1
Total	4	464	281	28	75	3	0	5	0	0	0	0	0	860	111
Percent	0.5%	54.0%	32.7%	3.3%	8.7%	0.3%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak Vol.	11:00	07:00	07:00	07:00	09:00	06:00		07:00						07:00	07:00
PM Peak Vol.	14:00	15:00	17:00	13:00	14:00	16:00		14:00						17:00	14:00
Grand Total	5	1033	606	57	171	7	1	8	0	0	0	0	0	1888	244
Percent	0.3%	54.7%	32.1%	3.0%	9.1%	0.4%	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%		12.9%

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Station ID:
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 Lake St, south of Plain 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
10/08/1															
3	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3	1
04:00	0	3	6	0	4	0	0	0	0	0	0	0	0	13	4
05:00	0	9	3	0	3	0	0	0	0	0	0	0	0	15	3
06:00	0	49	27	4	7	0	0	0	0	0	0	0	0	87	11
07:00	0	143	61	27	9	2	0	1	0	0	0	0	0	243	39
08:00	0	54	27	17	13	1	0	1	0	0	0	0	0	113	32
09:00	0	34	26	1	9	0	1	0	0	0	0	0	0	71	11
10:00	1	28	17	0	7	1	0	1	0	0	0	0	0	55	9
11:00	0	41	21	2	2	1	1	1	0	0	0	0	0	69	7
12 PM	0	44	17	3	9	0	0	0	0	0	0	0	0	73	12
13:00	8	71	35	15	11	0	0	0	0	0	0	0	0	140	26
14:00	2	106	54	3	10	1	0	0	0	0	0	0	0	176	14
15:00	1	126	66	25	19	1	0	0	0	0	0	0	0	238	45
16:00	0	112	49	0	14	0	0	0	0	0	0	0	0	175	14
17:00	0	123	56	1	10	0	0	0	0	0	0	0	0	190	11
18:00	0	93	50	0	14	0	0	0	0	0	0	0	0	157	14
19:00	1	72	36	1	8	0	0	0	0	0	0	0	0	118	9
20:00	0	68	17	0	8	0	0	0	0	0	0	0	0	93	8
21:00	0	33	12	0	3	0	0	0	0	0	0	0	0	48	3
22:00	0	14	5	0	2	0	0	0	0	0	0	0	0	21	2
23:00	0	6	2	1	1	0	0	0	0	0	0	0	0	10	2
Total	13	1231	592	100	164	7	2	4	0	0	0	0	0	2113	277
Percent	0.6%	58.3%	28.0%	4.7%	7.8%	0.3%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%		13.1%
AM Peak	10:00	07:00	07:00	07:00	08:00	07:00	09:00	07:00						07:00	07:00
Vol.	1	143	61	27	13	2	1	1						243	39
PM Peak	13:00	15:00	15:00	15:00	15:00	14:00								15:00	15:00
Vol.	8	126	66	25	19	1								238	45

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10/09/1															
3	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	4	4	0	4	0	0	0	0	0	0	0	0	12	4
05:00	0	6	7	0	4	0	0	0	0	0	0	0	0	17	4
06:00	0	43	21	3	3	1	0	0	0	0	0	0	0	71	7
07:00	1	145	67	33	11	0	0	3	0	0	0	0	0	260	47
08:00	0	52	34	20	7	0	0	2	0	0	0	0	0	115	29
09:00	0	37	16	0	6	0	0	0	0	0	0	0	0	59	6
10:00	1	33	14	1	4	0	0	1	0	0	0	0	0	54	6
11:00	1	30	23	1	5	0	0	0	0	0	0	0	0	60	6
12 PM	1	46	11	2	9	1	0	1	0	0	0	0	0	71	13
13:00	9	72	30	18	9	1	0	0	0	0	0	0	0	139	28
14:00	1	81	44	2	10	0	0	1	0	0	0	0	0	139	13
15:00	2	110	42	19	11	0	0	0	0	0	0	0	0	184	30
16:00	1	75	29	1	12	1	0	1	0	0	0	0	0	120	15
17:00	0	96	64	0	13	0	0	0	0	0	0	0	0	173	13
18:00	0	59	42	1	9	1	0	0	0	0	0	0	0	112	11
19:00	1	56	37	1	6	0	0	0	0	0	0	0	0	101	7
20:00	0	26	19	0	0	0	0	0	0	0	0	0	0	45	0
21:00	0	16	8	0	3	0	0	0	0	0	0	0	0	27	3
22:00	0	11	5	0	1	0	0	0	0	0	0	0	0	17	1
23:00	0	5	6	0	3	0	0	0	0	0	0	0	0	14	3
Total	18	1012	523	102	130	5	0	9	0	0	0	0	0	1799	246
Percent	1.0%	56.3%	29.1%	5.7%	7.2%	0.3%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%		13.7%
AM Peak Vol.	07:00	07:00	07:00	07:00	07:00	06:00		07:00						07:00	07:00
PM Peak Vol.	13:00	15:00	17:00	15:00	17:00	12:00		12:00						15:00	15:00
Grand Total	31	2243	1115	202	294	12	2	13	0	0	0	0	0	3912	523
Percent	0.8%	57.3%	28.5%	5.2%	7.5%	0.3%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%		13.4%



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Groups Printed- Cars - Buses - Trucks

Start Time	Lake Street Southbound					Plain Street Westbound					Lake Street Northbound					Plain Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	3	19	1	0	23	3	43	16	0	62	4	27	0	0	31	0	17	1	0	18	134
07:15 AM	10	19	4	0	33	5	34	19	0	58	10	55	3	0	68	0	11	12	0	23	182
07:30 AM	8	8	4	0	20	4	33	4	0	41	4	15	2	1	22	0	27	9	0	36	119
07:45 AM	2	10	3	0	15	3	24	3	0	30	2	11	0	0	13	0	18	3	0	21	79
Total	23	56	12	0	91	15	134	42	0	191	20	108	5	1	134	0	73	25	0	98	514
08:00 AM	1	9	1	0	11	6	12	1	0	19	6	7	0	0	13	1	15	3	0	19	62
08:15 AM	3	13	2	0	18	7	16	1	0	24	0	8	1	0	9	1	13	0	0	14	65
08:30 AM	1	6	3	0	10	0	24	4	0	28	2	13	16	0	31	0	15	2	0	17	86
08:45 AM	1	7	3	0	11	5	17	1	0	23	4	8	0	0	12	1	16	3	0	20	66
Total	6	35	9	0	50	18	69	7	0	94	12	36	17	0	65	3	59	8	0	70	279
Grand Total	29	91	21	0	141	33	203	49	0	285	32	144	22	1	199	3	132	33	0	168	793
Apprch %	20.6	64.5	14.9	0		11.6	71.2	17.2	0		16.1	72.4	11.1	0.5		1.8	78.6	19.6	0		
Total %	3.7	11.5	2.6	0	17.8	4.2	25.6	6.2	0	35.9	4	18.2	2.8	0.1	25.1	0.4	16.6	4.2	0	21.2	
Cars	14	80	21	0	115	30	199	41	0	270	31	122	4	0	157	3	126	27	0	156	698
% Cars	48.3	87.9	100	0	81.6	90.9	98	83.7	0	94.7	96.9	84.7	18.2	0	78.9	100	95.5	81.8	0	92.9	88
Buses	15	8	0	0	23	2	1	7	0	10	0	17	18	1	36	0	4	6	0	10	79
% Buses	51.7	8.8	0	0	16.3	6.1	0.5	14.3	0	3.5	0	11.8	81.8	100	18.1	0	3	18.2	0	6	10
Trucks	0	3	0	0	3	1	3	1	0	5	1	5	0	0	6	0	2	0	0	2	16
% Trucks	0	3.3	0	0	2.1	3	1.5	2	0	1.8	3.1	3.5	0	0	3	0	1.5	0	0	1.2	2

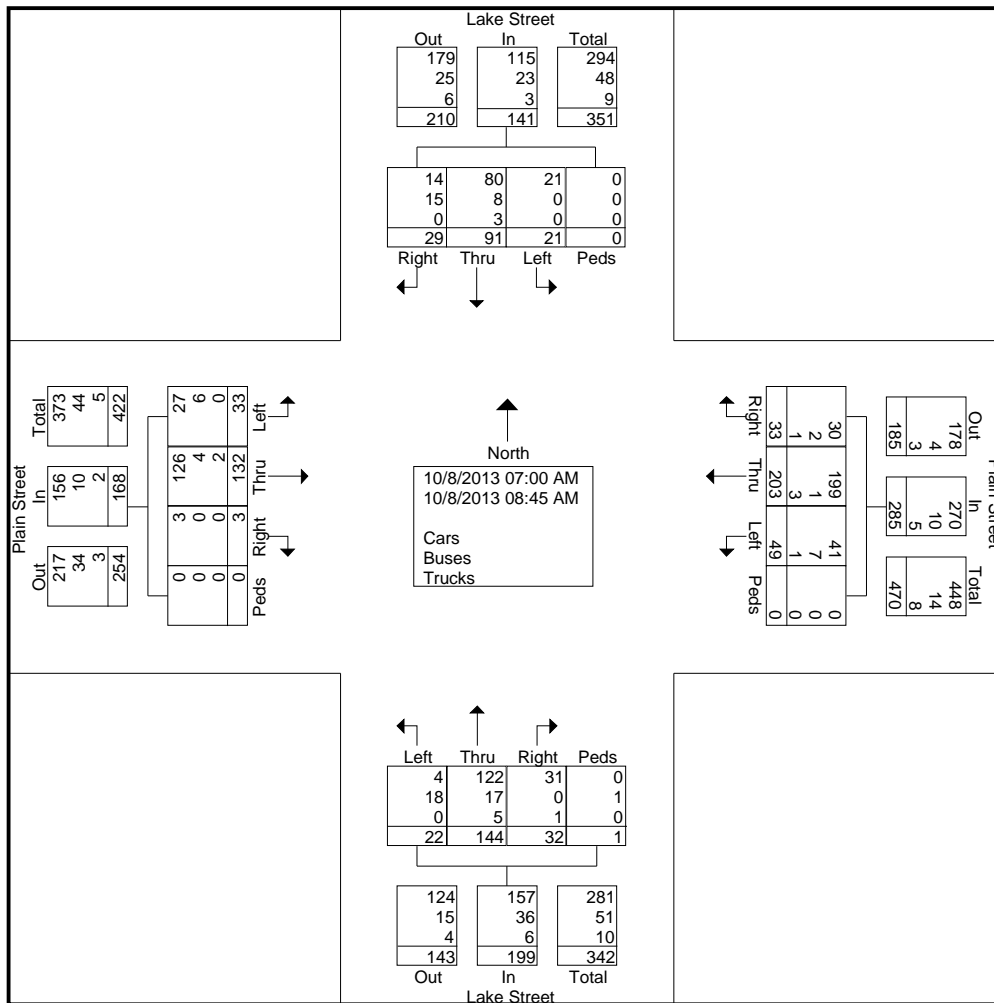


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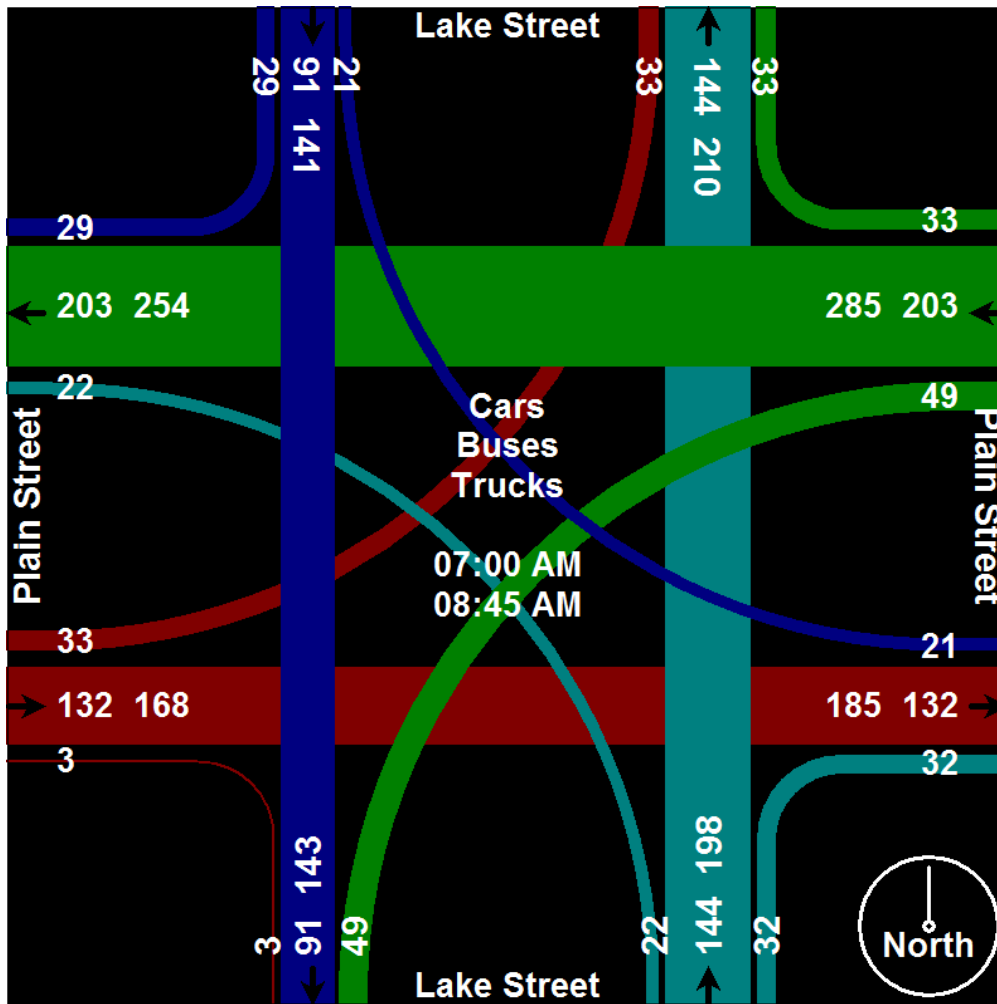


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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:00 AM																					
07:00 AM	3	19	1	0	23	3	43	16	0	62	4	27	0	0	31	0	17	1	0	18	134
07:15 AM	10	19	4	0	33	5	34	19	0	58	10	55	3	0	68	0	11	12	0	23	182
07:30 AM	8	8	4	0	20	4	33	4	0	41	4	15	2	1	22	0	27	9	0	36	119
07:45 AM	2	10	3	0	15	3	24	3	0	30	2	11	0	0	13	0	18	3	0	21	79
Total Volume	23	56	12	0	91	15	134	42	0	191	20	108	5	1	134	0	73	25	0	98	514
% App. Total	25.3	61.5	13.2	0		7.9	70.2	22	0		14.9	80.6	3.7	0.7		0	74.5	25.5	0		
PHF	.575	.737	.750	.000	.689	.750	.779	.553	.000	.770	.500	.491	.417	.250	.493	.000	.676	.521	.000	.681	.706
Cars	10	46	12	0	68	14	131	34	0	179	20	91	2	0	113	0	68	19	0	87	447
% Cars	43.5	82.1	100	0	74.7	93.3	97.8	81.0	0	93.7	100	84.3	40.0	0	84.3	0	93.2	76.0	0	88.8	87.0
Buses	13	8	0	0	21	0	1	7	0	8	0	17	3	1	21	0	3	6	0	9	59
% Buses	56.5	14.3	0	0	23.1	0	0.7	16.7	0	4.2	0	15.7	60.0	100	15.7	0	4.1	24.0	0	9.2	11.5
Trucks	0	2	0	0	2	1	2	1	0	4	0	0	0	0	0	0	2	0	0	2	8
% Trucks	0	3.6	0	0	2.2	6.7	1.5	2.4	0	2.1	0	0	0	0	0	0	2.7	0	0	2.0	1.6

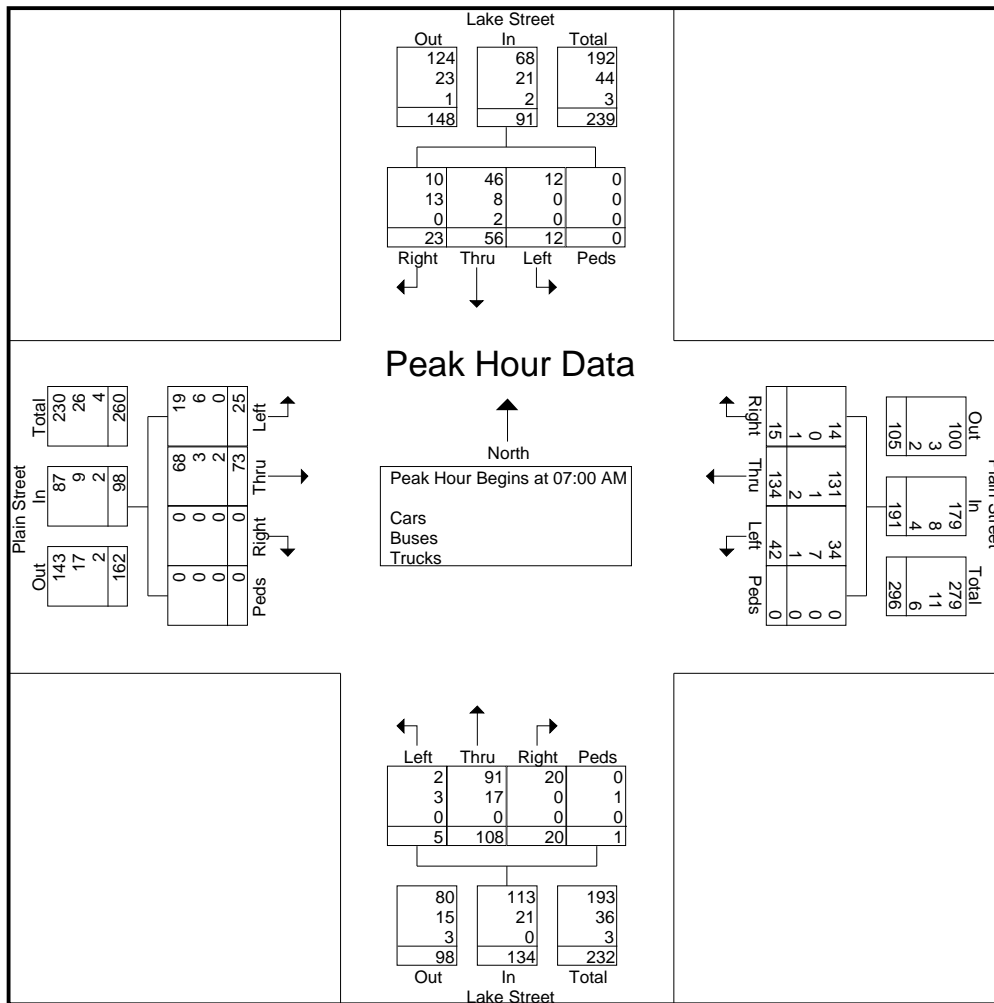


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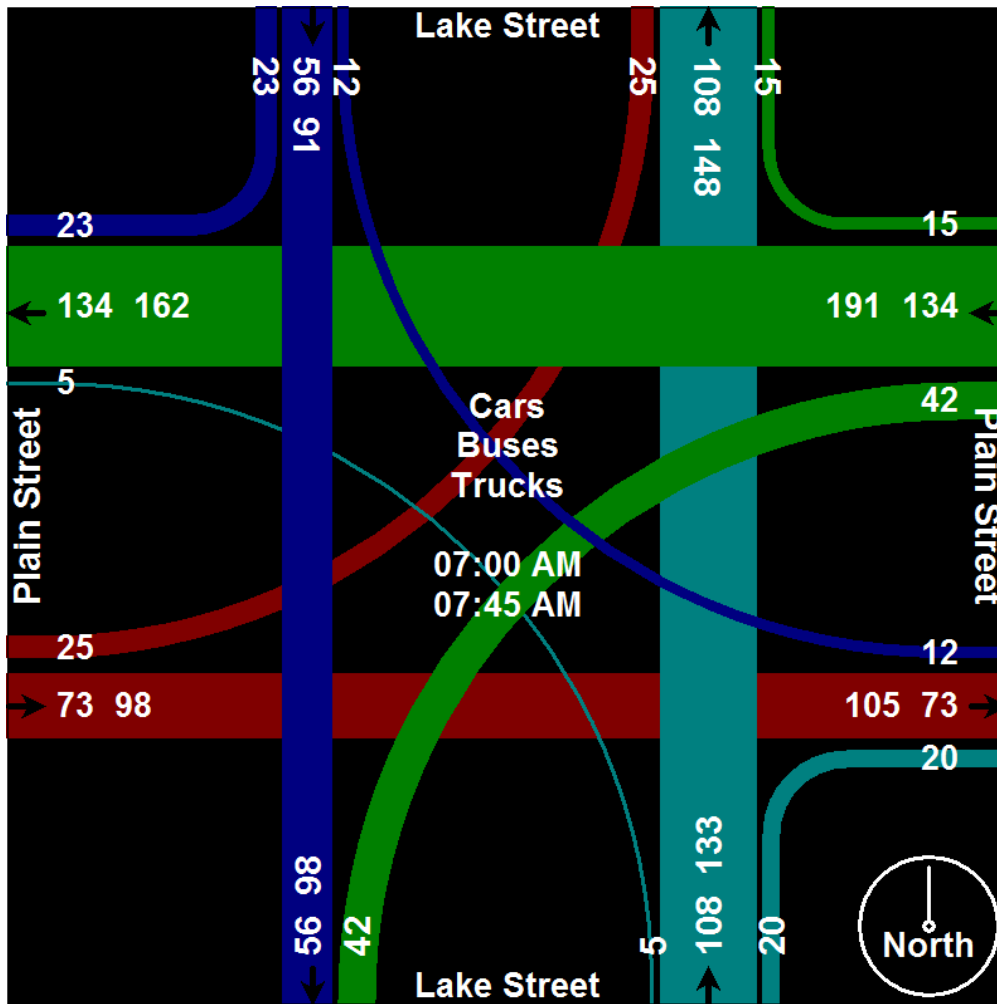


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Groups Printed- Cars - Buses - Trucks

Start Time	Lake Street Southbound					Plain Street Westbound					Lake Street Northbound					Plain Street Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
04:00 PM	3	19	5	0	27	0	27	6	0	33	3	18	2	0	23	1	26	4	0	31	114
04:15 PM	0	14	7	0	21	3	26	3	0	32	4	15	1	0	20	1	23	5	0	29	102
04:30 PM	1	15	2	0	18	0	23	1	0	24	4	9	0	0	13	1	23	3	0	27	82
04:45 PM	1	12	5	0	18	4	27	8	0	39	4	16	0	0	20	2	32	0	0	34	111
Total	5	60	19	0	84	7	103	18	0	128	15	58	3	0	76	5	104	12	0	121	409
05:00 PM	3	25	4	1	33	7	19	4	1	31	6	19	1	0	26	0	28	6	0	34	124
05:15 PM	7	23	5	0	35	6	24	5	0	35	5	19	0	0	24	0	38	7	0	45	139
05:30 PM	5	28	5	0	38	7	20	3	0	30	2	19	1	0	22	1	37	3	1	42	132
05:45 PM	1	14	3	1	19	0	9	5	0	14	1	8	2	0	11	0	25	2	0	27	71
Total	16	90	17	2	125	20	72	17	1	110	14	65	4	0	83	1	128	18	1	148	466
Grand Total	21	150	36	2	209	27	175	35	1	238	29	123	7	0	159	6	232	30	1	269	875
Apprch %	10	71.8	17.2	1		11.3	73.5	14.7	0.4		18.2	77.4	4.4	0		2.2	86.2	11.2	0.4		
Total %	2.4	17.1	4.1	0.2	23.9	3.1	20	4	0.1	27.2	3.3	14.1	0.8	0	18.2	0.7	26.5	3.4	0.1	30.7	
Cars	18	150	35	0	203	26	163	34	0	223	29	122	6	0	157	6	225	30	0	261	844
% Cars	85.7	100	97.2	0	97.1	96.3	93.1	97.1	0	93.7	100	99.2	85.7	0	98.7	100	97	100	0	97	96.5
Buses	3	0	0	1	4	0	5	0	1	6	0	1	1	0	2	0	1	0	1	2	14
% Buses	14.3	0	0	50	1.9	0	2.9	0	100	2.5	0	0.8	14.3	0	1.3	0	0.4	0	100	0.7	1.6
Trucks	0	0	1	1	2	1	7	1	0	9	0	0	0	0	0	0	6	0	0	6	17
% Trucks	0	0	2.8	50	1	3.7	4	2.9	0	3.8	0	0	0	0	0	0	2.6	0	0	2.2	1.9

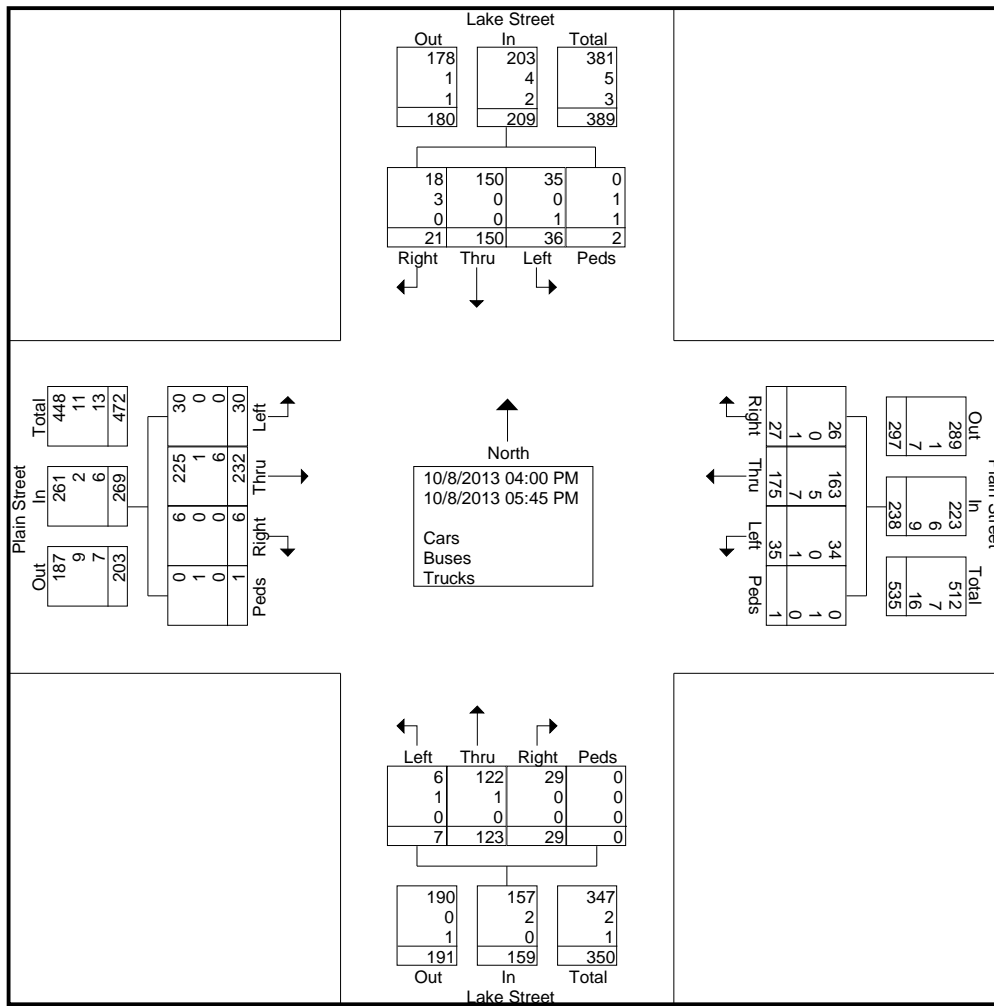


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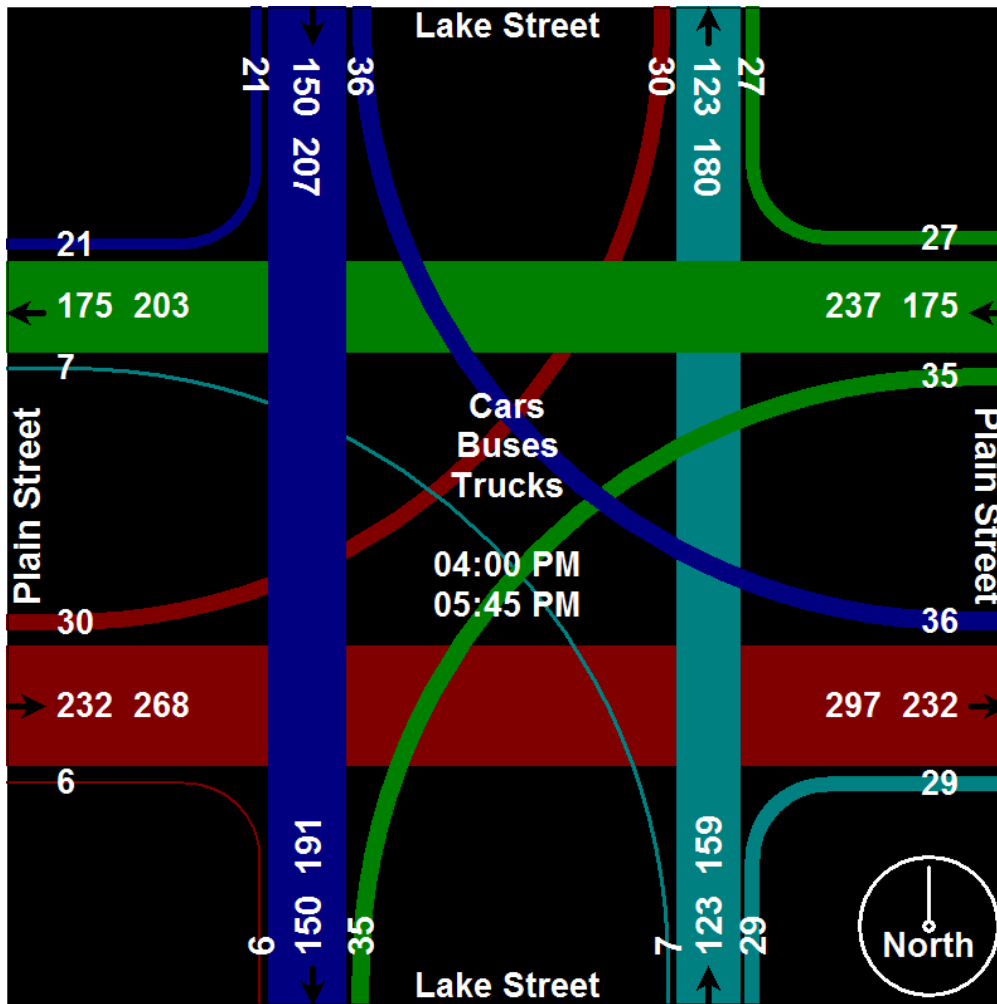


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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:45 PM																					
04:45 PM	1	12	5	0	18	4	27	8	0	39	4	16	0	0	20	2	32	0	0	34	111
05:00 PM	3	25	4	1	33	7	19	4	1	31	6	19	1	0	26	0	28	6	0	34	124
05:15 PM	7	23	5	0	35	6	24	5	0	35	5	19	0	0	24	0	38	7	0	45	139
05:30 PM	5	28	5	0	38	7	20	3	0	30	2	19	1	0	22	1	37	3	1	42	132
Total Volume	16	88	19	1	124	24	90	20	1	135	17	73	2	0	92	3	135	16	1	155	506
% App. Total	12.9	71	15.3	0.8		17.8	66.7	14.8	0.7		18.5	79.3	2.2	0		1.9	87.1	10.3	0.6		
PHF	.571	.786	.950	.250	.816	.857	.833	.625	.250	.865	.708	.961	.500	.000	.885	.375	.888	.571	.250	.861	.910
Cars	15	88	19	0	122	23	88	19	0	130	17	72	2	0	91	3	133	16	0	152	495
% Cars	93.8	100	100	0	98.4	95.8	97.8	95.0	0	96.3	100	98.6	100	0	98.9	100	98.5	100	0	98.1	97.8
Buses	1	0	0	0	1	0	0	0	1	1	0	1	0	0	1	0	0	0	1	1	4
% Buses	6.3	0	0	0	0.8	0	0	0	100	0.7	0	1.4	0	0	1.1	0	0	0	100	0.6	0.8
Trucks	0	0	0	1	1	1	2	1	0	4	0	0	0	0	0	0	2	0	0	2	7
% Trucks	0	0	0	100	0.8	4.2	2.2	5.0	0	3.0	0	0	0	0	0	0	1.5	0	0	1.3	1.4

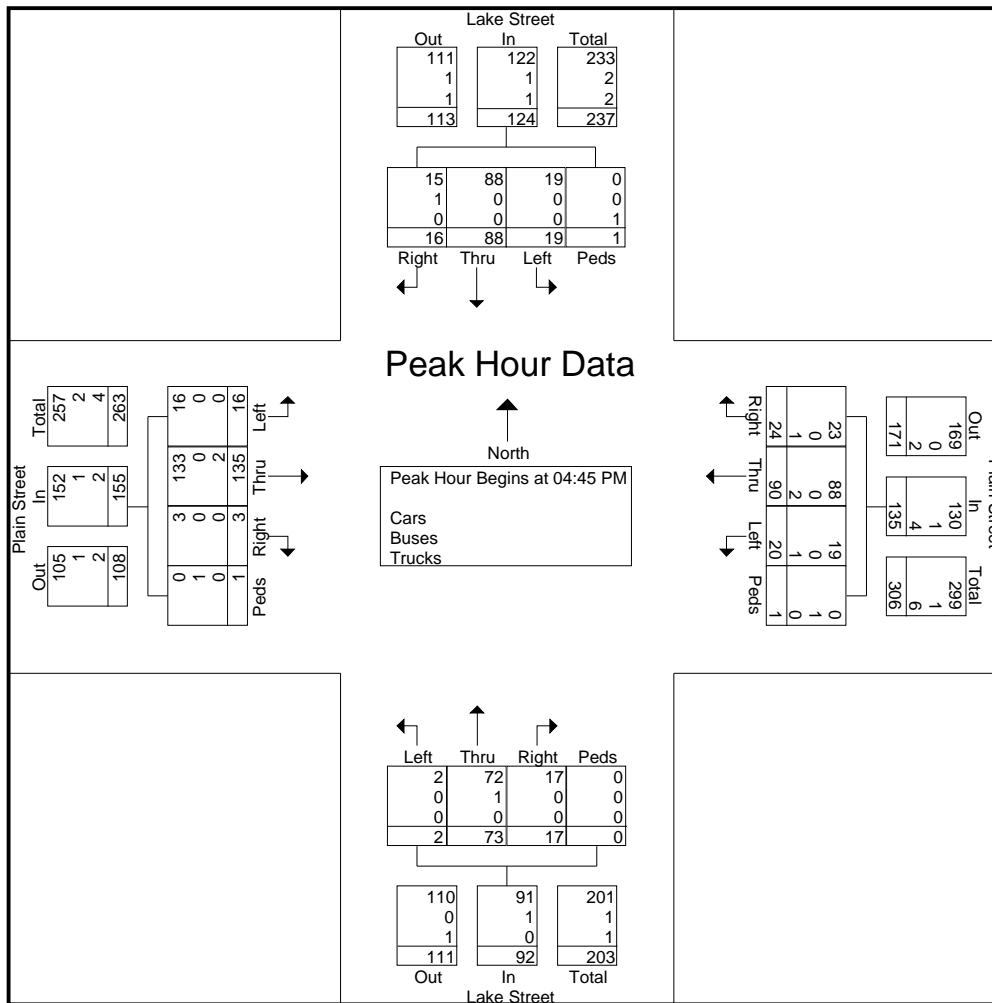


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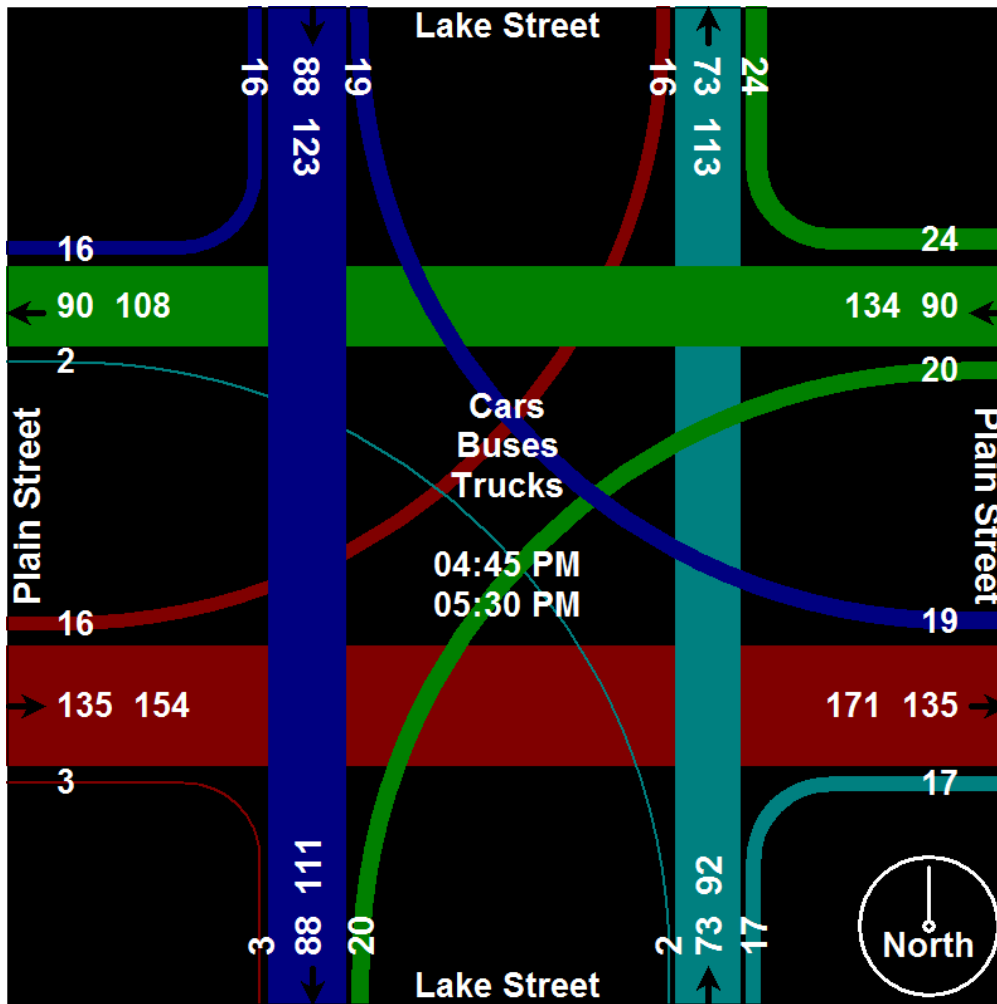


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Appendix D
Level of Service Analysis

Intersection

Intersection Delay, s/veh 11.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	25	73	0	42	134	15	5	108	20	12	56	23
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yeild	-	-	None	-	-	None	-	-	Stop
Storage Length	-	-	50	-	-	-	-	-	-	-	-	40
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	68	68	68	77	77	77	49	49	49	69	69	69
Heavy Vehicles, %	32	68	0	19	2	7	60	16	0	0	18	56
Mvmt Flow	37	107	0	55	174	19	10	220	41	17	81	33

Major/Minor	Major1	Major2	Minor1	Minor2
Conflicting Flow All	194	0	0	107
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Follow-up Headway	2.488	-	-	2.371
Pot Capacity-1 Maneuver	1218	-	-	1384
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Time blocked-Platoon, %	-	-	-	-
Mov Capacity-1 Maneuver	1218	-	-	1384
Mov Capacity-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.1	1.7	23.6	16.5
HCM LOS			C	C

Minor Lane / Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	459	1218	-	-	1384	-	-	390	737
HCM Lane V/C Ratio	0.591	0.03	-	-	0.039	-	-	0.281	0.03
HCM Control Delay (s)	23.6	8.048	0	-	7.708	0	-	17.8	10
HCM Lane LOS	C	A	A	-	A	A	-	C	B
HCM 95th %tile Q(veh)	3.744	0.093	-	-	0.123	-	-	1.137	0.093

Notes

~ : Volume Exceeds Capacity; \$: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Intersection

Intersection Delay, s/veh 6.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	16	135	3	20	90	24	2	73	17	19	88	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	Yeild	-	-	None	-	-	None	-	-	Stop
Storage Length	-	-	50	-	-	-	-	-	-	-	-	40
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	86	86	86	87	87	87	89	89	89	82	82	82
Heavy Vehicles, %	0	1	0	5	2	4	0	2	0	0	0	6
Mvmt Flow	19	157	3	23	103	28	2	82	19	23	107	20

Major/Minor

	Major1	Major2	Minor1	Minor2
Conflicting Flow All	131	0	0	157
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Follow-up Headway	2.2	-	-	2.245
Pot Capacity-1 Maneuver	1467	-	-	1405
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Time blocked-Platoon, %	-	-	-	-
Mov Capacity-1 Maneuver	1467	-	-	1405
Mov Capacity-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach

	EB	WB	NB	SB
HCM Control Delay, s	0.8	1.1	12.5	13.3
HCM LOS			B	B

Minor Lane / Major Mvmt

	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	581	1467	-	-	1405	-	-	548	924
HCM Lane V/C Ratio	0.178	0.013	-	-	0.016	-	-	0.25	0.014
HCM Control Delay (s)	12.5	7.486	0	-	7.605	0	-	13.7	9
HCM Lane LOS	B	A	A	-	A	A	-	B	A
HCM 95th %tile Q(veh)	0.642	0.039	-	-	0.05	-	-	0.981	0.043

Notes

~ : Volume Exceeds Capacity; \$: Delay Exceeds 300 Seconds; Error : Computation Not Defined

Appendix E
Results of Warrant Analyses

Warrants Summary Report

1: Plain Street and Lake Street

Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met?	No	0 Hours met (8 required)
Condition A and B Met?	No	0 Hours met (8 required)
<hr/>		
Warrant 2, Four-Hour Vehicular Volume		
	No	0 Hours met (4 required)
<hr/>		
Warrant 3, Peak Hour		
	No	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	No	0 Hours met (1 required)
<hr/>		
Warrant 4, Pedestrian Volume		
	No	
Condition A Met?	No	0 Hours met (4 required)
Condition B Met?	No	0 Hours met (1 required)

Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant	Met?	Notes
Warrant 5, School Crossing	No	
Warrant 6, Coordinated Signal System	No	
Warrant 7, Crash Experience	No	
Traffic Volume Condition?	No	0 Hours met (8 required)
Ped Condition?	No	1 Hours met (8 required)
Warrant 8, Roadway Network	No	
Warrant 9, Intersection Near a Grade Crossing	No	

Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant	Met?	Notes
AWSC Warrant, Multiway Stop Application		
	No	
Condition A Met?	No	
Condition B Met?	No	
Condition C Met?	No	

Warrant 1: Eight-hour Vehicular Volume

1: Plain Street and Lake Street

Intersection Information:

Major Street	Plain Street
Major Direction	EB/WB
Minor Direction	NB/SB

Warrant 1 Met?

No

Details:

Condition A or B Met?	No	0 Hours met (8 required)
Condition A and B Met?	No	0 Hours met (8 required)

Hour	Major Street Vehicles (total of both approaches)	Condition A		Condition B		High-volume Minor Approach Vehicles	Condition A		Condition B		70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
		Volume >= 70% (350)?	Volume >= 56% (280)?	Volume >= 70% (525)?	Volume >= 56% (420)?		Volume >= 70% (105)?	Volume >= 56% (84)?	Volume >= 70% (53)?	Volume >= 56% (42)?	Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	10	No	No	No	No	2	No	No	No	No	No	No	No	No
01:00 to 02:00	6	No	No	No	No	2	No	No	No	No	No	No	No	No
02:00 to 03:00	2	No	No	No	No	1	No	No	No	No	No	No	No	No
03:00 to 04:00	2	No	No	No	No	2	No	No	No	No	No	No	No	No
04:00 to 05:00	7	No	No	No	No	10	No	No	No	No	No	No	No	No
05:00 to 06:00	38	No	No	No	No	10	No	No	No	No	No	No	No	No
06:00 to 07:00	152	No	No	No	No	46	No	No	No	Yes	No	No	No	No
07:00 to 08:00	294	No	Yes	No	No	150	Yes	Yes	Yes	Yes	No	No	Yes	No
08:00 to 09:00	186	No	No	No	No	72	No	No	Yes	Yes	No	No	No	No
09:00 to 10:00	124	No	No	No	No	42	No	No	No	Yes	No	No	No	No

10:00 to 11:00	105	No	No	No	No	30	No	No	No	No	No	No	No	No
11:00 to 12:00	108	No	No	No	No	44	No	No	No	Yes	No	No	No	No
12:00 to 13:00	117	No	No	No	No	47	No	No	No	Yes	No	No	No	No
13:00 to 14:00	152	No	No	No	No	91	No	Yes	Yes	Yes	No	No	No	No
14:00 to 15:00	164	No	No	No	No	94	No	Yes	Yes	Yes	No	No	No	No
15:00 to 16:00	253	No	No	No	No	117	Yes	Yes	Yes	Yes	No	No	No	No
16:00 to 17:00	223	No	No	No	No	82	No	No	Yes	Yes	No	No	No	No
17:00 to 18:00	267	No	No	No	No	114	Yes	Yes	Yes	Yes	No	No	No	No
18:00 to 19:00	203	No	No	No	No	109	Yes	Yes	Yes	Yes	No	No	No	No
19:00 to 20:00	116	No	No	No	No	64	No	No	Yes	Yes	No	No	No	No
20:00 to 21:00	91	No	No	No	No	37	No	No	No	No	No	No	No	No
21:00 to 22:00	56	No	No	No	No	28	No	No	No	No	No	No	No	No
22:00 to 23:00	54	No	No	No	No	12	No	No	No	No	No	No	No	No
23:00 to 00:00	21	No	No	No	No	9	No	No	No	No	No	No	No	No

Warrant 2: Four-hour Vehicular Volume

1: Plain Street and Lake Street

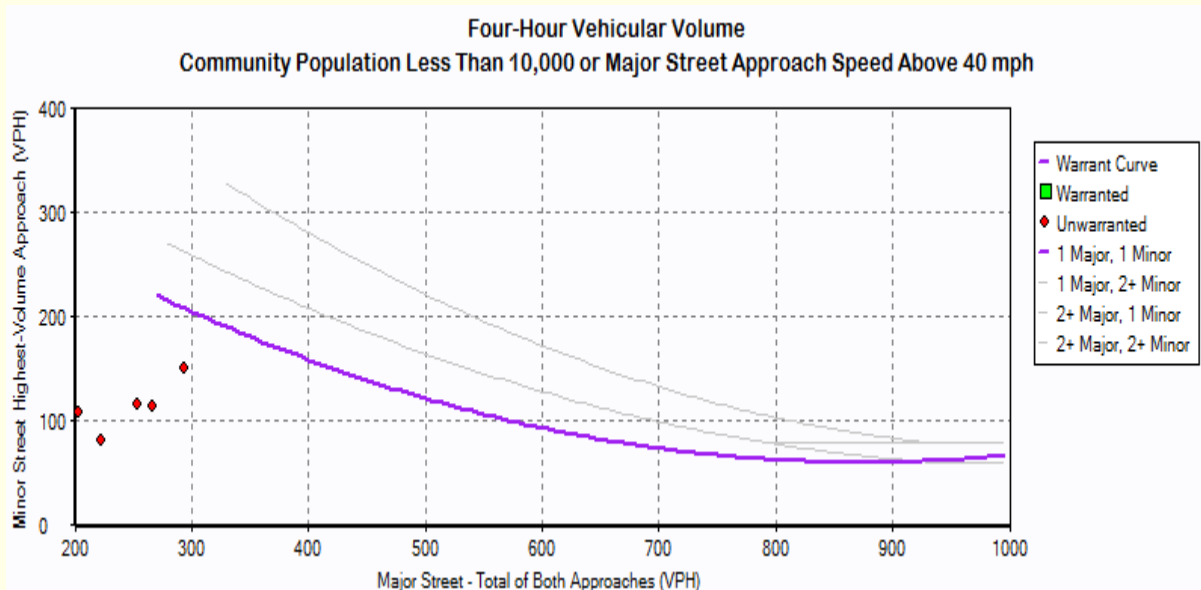
Intersection Information

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant 2 Met? **No**

Details:

Notes:	0 Hours met (4 required)
Low Population?	No



Hourly Volumes		
Hour	Major Street Total of both approaches (VPH)	Minor Street Highest volume approach (VPH)
00:00:00 - 01:00:00	10.00	2.00
01:00:00 - 02:00:00	6.00	2.00
02:00:00 - 03:00:00	2.00	1.00
03:00:00 - 04:00:00	2.00	2.00
04:00:00 - 05:00:00	7.00	10.00
05:00:00 - 06:00:00	38.00	10.00
06:00:00 - 07:00:00	152.00	46.00
07:00:00 - 08:00:00	294.00	150.00
08:00:00 - 09:00:00	186.00	72.00
09:00:00 - 10:00:00	124.00	42.00
10:00:00 - 11:00:00	105.00	30.00
11:00:00 - 12:00:00	108.00	44.00
12:00:00 - 13:00:00	117.00	47.00
13:00:00 - 14:00:00	152.00	91.00
14:00:00 - 15:00:00	164.00	94.00
15:00:00 - 16:00:00	253.00	117.00
16:00:00 - 17:00:00	223.00	82.00
17:00:00 - 18:00:00	267.00	114.00
18:00:00 - 19:00:00	203.00	109.00
19:00:00 - 20:00:00	116.00	64.00
20:00:00 - 21:00:00	91.00	37.00
21:00:00 - 22:00:00	56.00	28.00
22:00:00 - 23:00:00	54.00	12.00
23:00:00 - 00:00:00	21.00	9.00

Warranted Hours		
Hour	Major Volume	Minor Volume

Note: Only data of hours warranted is represented in the above table.

Warrant 3: Peak Hour

1: Plain Street and Lake Street

Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant 3 Met? **No**

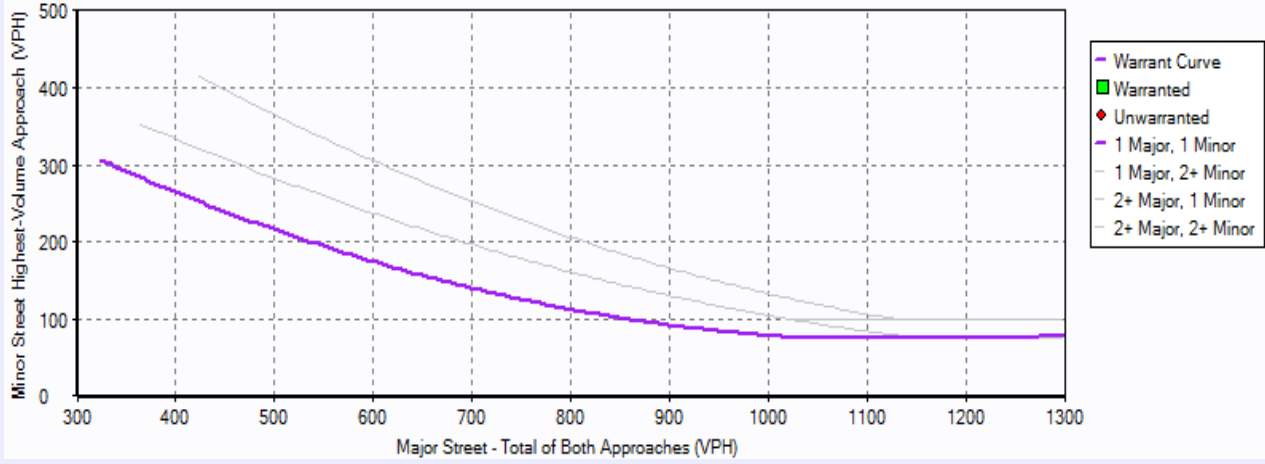
Details:

Low Population?	No
Condition A Met?	No
Notes:	0 Hours met (1 required)
Minor Approach Time Delay Condition	Not Met
Minor Approach Volume Condition	Met
Total Entering Intersection Volume Condition	Not Met
Condition B Met?	No
Notes:	0 Hours met (1 required)

Warrant 3

Peak Hour Vehicular Volume

Community Population Less Than 10,000 or Major Street Approach Speed Above 40 mph



Note: Please turn over for volume information.

Warranted / Unwarranted

Hour	Major Street Total of both approaches (VPH)	Minor Street Highest volume approach (VPH)
0:00	10	2
1:00	6	2
2:00	2	1
3:00	2	2
4:00	7	10
5:00	38	10
6:00	152	46
7:00	294	150
8:00	186	72
9:00	124	42
10:00	105	30
11:00	108	44
12:00	117	47
13:00	152	91
14:00	164	94
15:00	253	117
16:00	223	82
17:00	267	114
18:00	203	109
19:00	116	64
20:00	91	37
21:00	56	28
22:00	54	12
23:00	21	9

Federal 2009

3

10/21/2013

Federal 2009

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Warrant 4: Pedestrian Volume 1: Plain Street and Lake Street

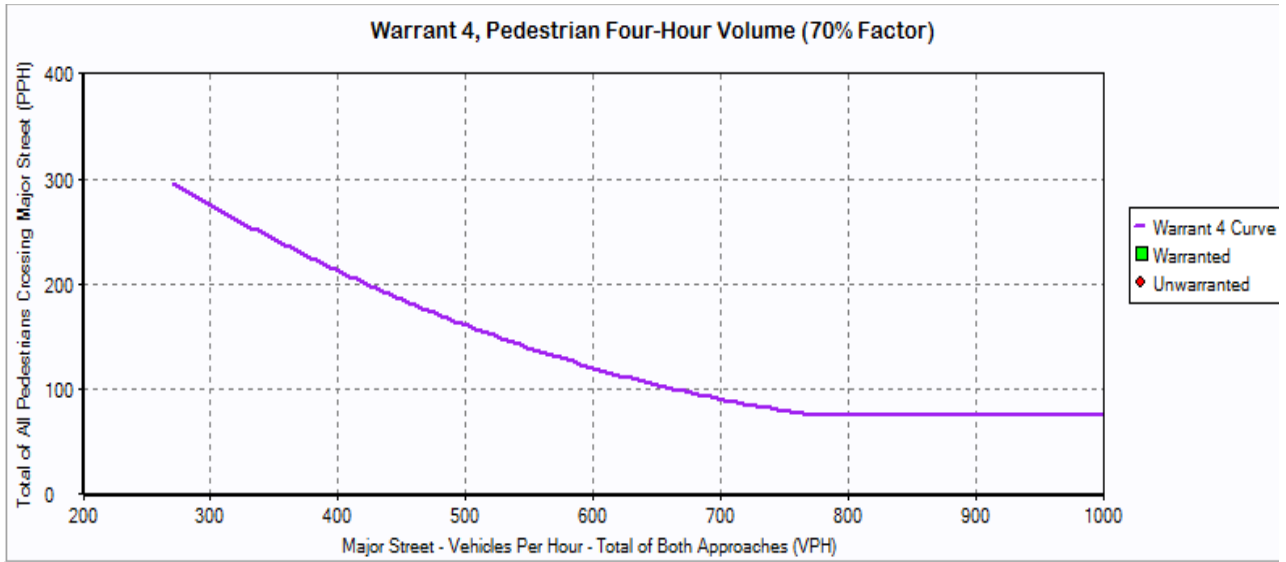
Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

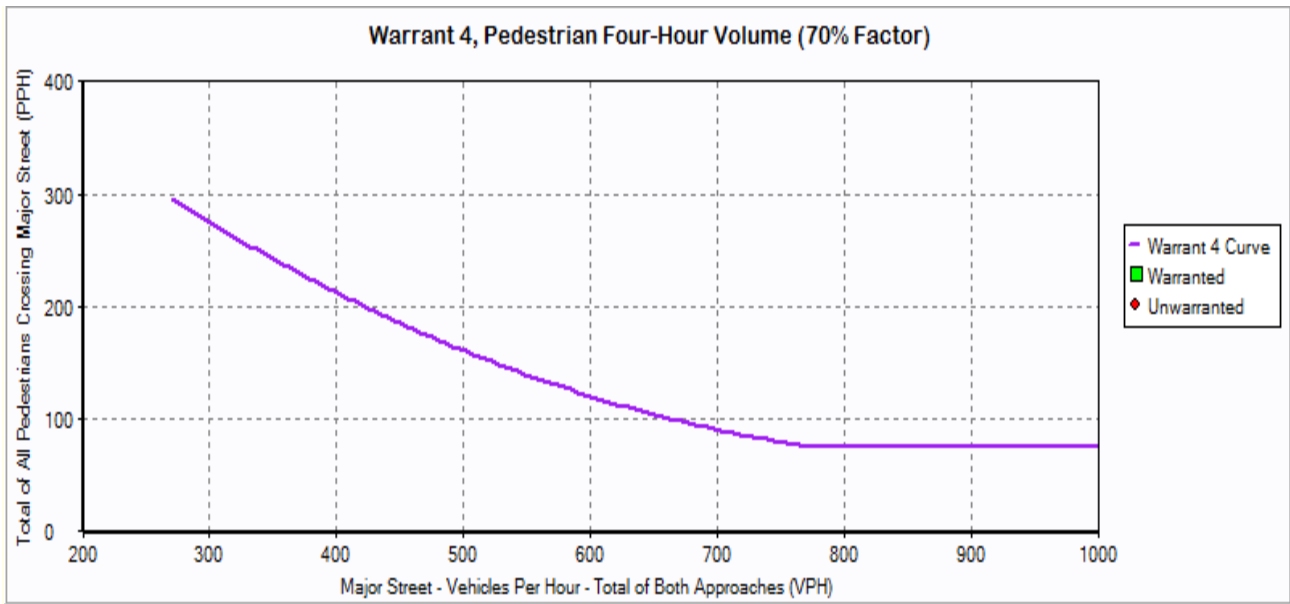
Warrant 4 Met? **No**

Details:

Pedestrian Four-Hour Volume Warrant met?	No
Pedestrian Peak Hour Warrant Met?	No
Notes:	0 Hours met (4 required)
Speed limit or 85th-percentile speed on the major street > 35 mph, or intersection lies within an isolated community with population < 10,000	Yes



Warranted / Unwarranted		
Hour	Major Street Vehicle Volume (VPH)	Volume of Pedestrians Crossing Major Street (VPH)



Pedestrian Peak Hour		
Hour	Vehicular Volume	Pedestrian Volume
N/A	N/A	N/A

Warrant 5: School Crossing

1: Plain Street and Lake Street

Intersection Information:

Major Street Name	Plain Street
Major Direction	EB/WB

Warrant 5 Met? **No**

Details:

Time Period Interval for Students Crossing (min)	0
Number of Students Crossing in Time Period	0
Number of Adequate Gaps in Time Period	0
Other Remedial Measures Attempted?	No
Adjacent Signal on EB approach?	No
Distance to signal on EB Approach (ft)	-
Adjacent Signal on WB approach?	No
Distance to signal on WB Approach (ft)	-
Will New Signal Restrict Progressive Traffic?	No

Warrant 6: Coordinated Signal System 1: Plain Street and Lake Street

Intersection Information:

Major Street Name	Plain Street
Major Direction	EB/WB

Warrant 6 Met? No

Details:

Approach Dir/Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
<hr/>			
EB Approach (Plain Street)	Yes	No	N/A
<hr/>			
WB Approach (Plain Street)	Yes	No	N/A
<hr/>			
NB Approach (Lake Street)	Yes	No	N/A
<hr/>			
SB Approach (Lake Street)	Yes	No	N/A

Unacceptable Platooning?
(At least one approach)

No

Distance to Closest Signal
(Must be N/A or >= 1000)

N/A

Warrant 7: Crash Experience

1: Plain Street and Lake Street

Intersection Information:

Major Street Name	Plain Street
Major Direction	EB/WB
Minor Direction	NB/SB

Warrant 7 Met? No

Details:

Low Population? No Major Street Speed Limit 30 Major Street 85th-Percentile Speed 43.00
Qualifying Crashes 0 Adequate Alternative Trials? No Traffic Volume Condition Met? No 1 Hours Met (8 Required) Ped Volume Condition Met? No 0 Hours Met (8 Required)

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	56% Standard Met? A OR B		Northbound Ped Volumes		Southbound Ped Volumes	
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	10	0	No	No	0	No	0	No
01:00 to 02:00	6	0	No	No	0	No	0	No
02:00 to 03:00	2	0	No	No	0	No	0	No
03:00 to 04:00	2	0	No	No	0	No	0	No
04:00 to 05:00	7	0	No	No	0	No	0	No
05:00 to 06:00	38	0	No	No	0	No	0	No
06:00 to 07:00	152	0	No	No	0	No	0	No
07:00 to 08:00	294	0	No	No	0	No	0	No

08:00 to 09:00	186	0	No	No	0	No	0	No
09:00 to 10:00	124	0	No	No	0	No	0	No
10:00 to 11:00	105	0	No	No	0	No	0	No
11:00 to 12:00	108	0	No	No	0	No	0	No
12:00 to 13:00	117	0	No	No	0	No	0	No
13:00 to 14:00	152	0	No	No	0	No	0	No
14:00 to 15:00	164	0	No	No	0	No	0	No
15:00 to 16:00	253	0	No	No	0	No	0	No
16:00 to 17:00	223	0	No	No	0	No	0	No
17:00 to 18:00	267	0	No	No	0	No	0	No
18:00 to 19:00	203	0	No	No	0	No	0	No
19:00 to 20:00	116	0	No	No	0	No	0	No
20:00 to 21:00	91	0	No	No	0	No	0	No
21:00 to 22:00	56	0	No	No	0	No	0	No
22:00 to 23:00	54	0	No	No	0	No	0	No
23:00 to 00:00	21	0	No	No	0	No	0	No

Warrant 8: Roadway Network 1: Plain Street and Lake Street

Intersection Information:

Major Street Name	Plain Street
Major Direction	EB/WB
Minor Direction	NB/SB

Warrant 8 Met? (A or B) No

Details:

Growth Rates (per year)							
NB		SB		EB		WB	
L	0.00%	L	0.00%	L	0.00%	L	0.00%
T	0.00%	T	0.00%	T	0.00%	T	0.00%
R	0.00%	R	0.00%	R	0.00%	R	0.00%

Condition A, Total Entering Volume	Condition B, Non-normal Business Day																																								
<table style="width: 100%; border-collapse: collapse;"> <tr><td>Existing Peak Hour</td><td style="text-align: right;">534</td></tr> <tr><td>Years</td><td style="text-align: right;">0.00</td></tr> <tr><td>Future Peak Hour</td><td style="text-align: right;">534</td></tr> <tr><td>Warrant 1 in 5 Years?</td><td style="text-align: right;">No</td></tr> <tr><td>Warrant 2 in 5 Years?</td><td style="text-align: right;">No</td></tr> <tr><td>Warrant 3 in 5 Years?</td><td style="text-align: right;">No</td></tr> </table>	Existing Peak Hour	534	Years	0.00	Future Peak Hour	534	Warrant 1 in 5 Years?	No	Warrant 2 in 5 Years?	No	Warrant 3 in 5 Years?	No	<table style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2"><u>Existing</u></td></tr> <tr><td>Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Second Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Third Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Fourth Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Fifth Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Yearly Growth Rate</td><td style="text-align: right;">0.00%</td></tr> <tr><td>Years</td><td style="text-align: right;">0.00</td></tr> <tr><td colspan="2"><u>Future</u></td></tr> <tr><td>Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Second Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Third Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Fourth Highest Hour</td><td style="text-align: right;">0</td></tr> <tr><td>Fifth Highest Hour</td><td style="text-align: right;">0</td></tr> </table>	<u>Existing</u>		Highest Hour	0	Second Highest Hour	0	Third Highest Hour	0	Fourth Highest Hour	0	Fifth Highest Hour	0	Yearly Growth Rate	0.00%	Years	0.00	<u>Future</u>		Highest Hour	0	Second Highest Hour	0	Third Highest Hour	0	Fourth Highest Hour	0	Fifth Highest Hour	0
Existing Peak Hour	534																																								
Years	0.00																																								
Future Peak Hour	534																																								
Warrant 1 in 5 Years?	No																																								
Warrant 2 in 5 Years?	No																																								
Warrant 3 in 5 Years?	No																																								
<u>Existing</u>																																									
Highest Hour	0																																								
Second Highest Hour	0																																								
Third Highest Hour	0																																								
Fourth Highest Hour	0																																								
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Highest Hour	0																																								
Second Highest Hour	0																																								
Third Highest Hour	0																																								
Fourth Highest Hour	0																																								
Fifth Highest Hour	0																																								

Condition A Met? No

Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing 1: Plain Street and Lake Street

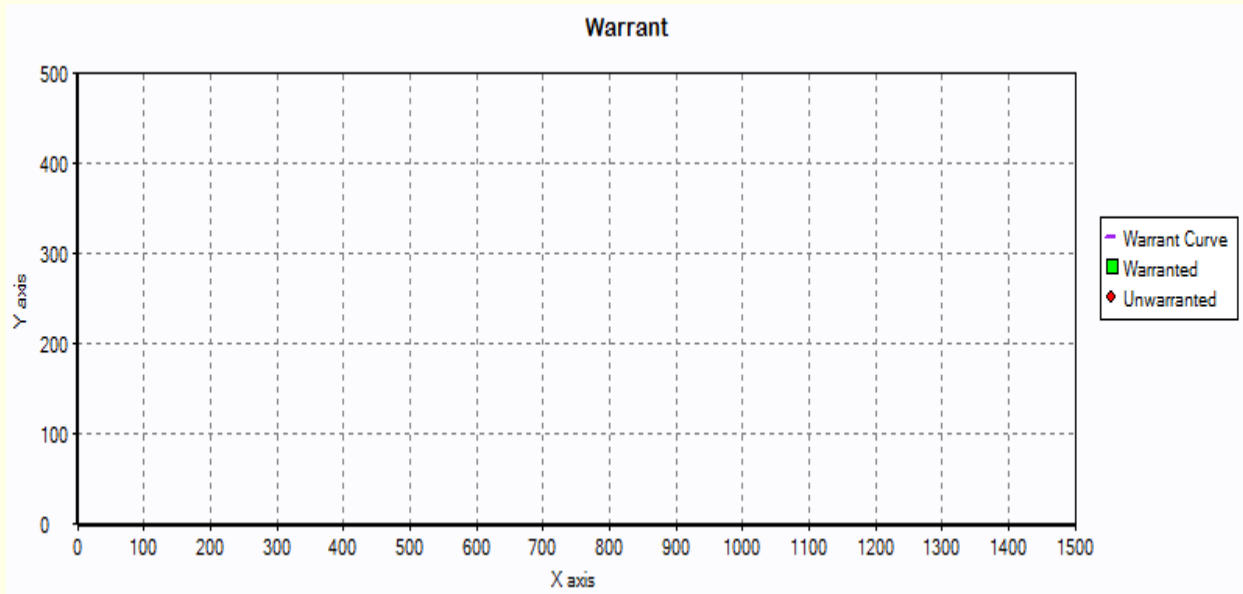
Intersection Information:

	Major Street	Minor Street
Street Name	Plain Street	Lake Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	30	35

Warrant 9 Met? No

Details:

Note: No approach with a railroad grade crossing	
Minor-street approach having a grade crossing	
Distance from the center of the track to the stop or yield line	interpolated
Number of occurrences of rail traffic per day	Adjustment factor
Percentage of high-occupancy buses crossing the track	% Adjustment factor
Percentage of tractor-trailer trucks crossing the track	% Adjustment factor
The rail traffic arrival times are unknown, the highest traffic volume hour of the day is used	



Warranted / Unwarranted		
Hour	Major Street Total of Both Approaches (VPH)	Adjusted Volume of Minor Approach Crossing the Track (VPH)

All-Way Stop Control Warrant : Multiway Stop Applications 1: Plain Street and Lake Street

Intersection Information:

Major Street Name	Plain Street
Major Direction	EB/WB
Minor Direction	NB/SB

AWSC Warrant Met? **No**

Details:

Condition A Met?	No	
Condition B Met?	No	
Condition C Met?	No	3 Hours Met (8 Required)

Qualifying Crashes	0
Major Street 85th-Percentile Speed	43.00
Major Street Speed Limit	30

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street Vehicles	Minor Street Vehicles	Northbound Bicycle Volumes	Southbound Bicycle Volumes	Northbound Bicycle Volumes	Southbound Bicycle Volumes	Major Street	Minor Street	
							(Total Vehicle Volume) >= 210	Avg(Veh + Ped + Bicycle) >= 200	Delay >= 30
07:00 to 08:00	294	240	0	0	0	0	Yes	No	No
15:00 to 16:00	253	224	0	0	0	0	Yes	No	No
17:00 to 18:00	267	190	0	0	0	0	Yes	No	No