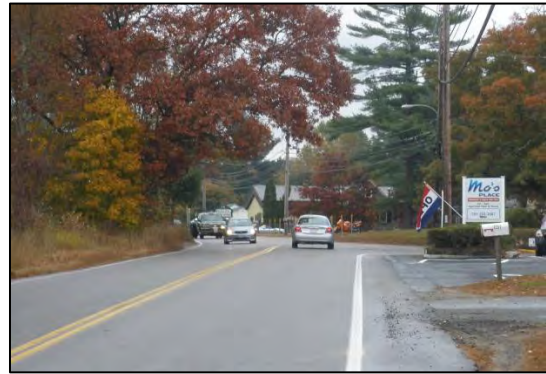


ROAD SAFETY AUDIT

for

Franklin Street at Main Street (Route 27) Intersection and Elm Street at Main Street (Route 27) Intersection Hanson, MA

January 2014



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1.0 Introduction

This Road Safety Audit (RSA) was conducted by the Old Colony Planning Council (OCPC) at the request of the Town of Hanson. The request was in response to concerns raised by residents regarding traffic safety. The location of the study area is shown in Figure 1 and it includes the intersection of Franklin Street/Main Street (Route 27) and the intersection of Elm Street/Main Street (Route 27) in Hanson.

2.0 The Road Safety Audit

A Road Safety Audit (RSA) is defined by the Federal Highway Administration (FHWA) *Road Safety Audits Guidelines* as; “A formal safety performance examination of an existing or future road or intersection by an independent audit team.” The RSA is a way of doing business to identify road safety issues as well as opportunities for safety improvements for all road users. The RSA includes the following elements:

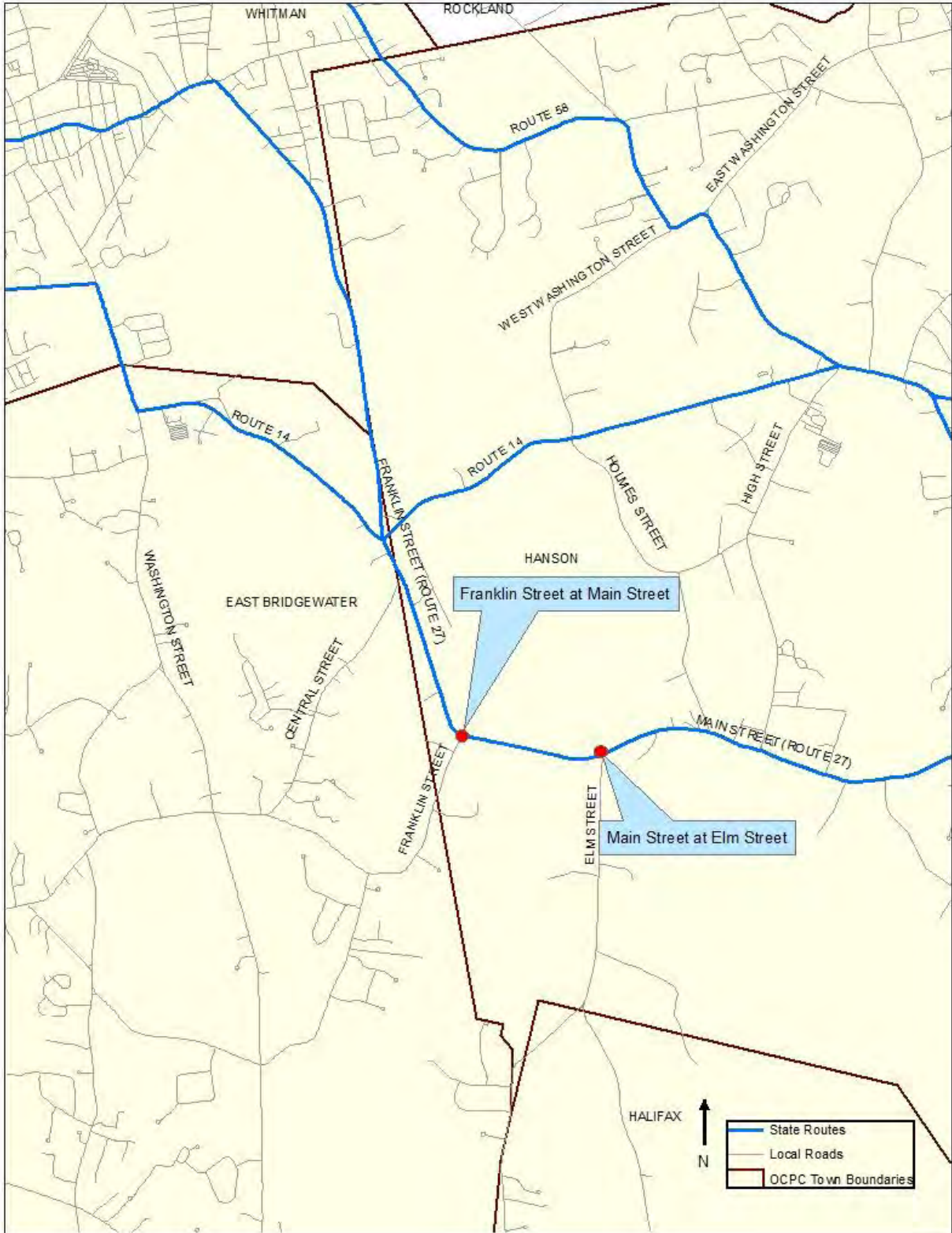
- Performed by an independent team
- Performed by a multi-disciplined team
- Considers all potential road users
- Accounts for road user capabilities and limitations
- Generates a formal report
- Requires a formal response from the project owner (in this case the Town of Hanson who has requested this study)

In summary, the RSA is a proactive, formal examination that focuses on road safety, which is conducted by a multi-disciplinary team independent of the project owner (or the requester of the study). The audit team must be adequately qualified individually and as a team. The RSA is qualitative in nature, although crash data, traffic data, and analyses are necessary, and the safety of all road users and facilities are considered. This report includes average daily traffic volume counts, crash data compilation and analyses, and intersection warrant analyses for traffic signal control implementation.

It is important for participants to understand the roles and responsibilities of organizations involved in the RSA. OCPC is the manager and facilitator of the process, responsible for data collection and compilation, analysis, grant support, and facilitator of the meetings and field visit. The role of the Town of Hanson is to take the lead for implementing recommendations made by the support team.



Figure 1- Intersection Location





2.1 Choosing the Road Safety Audit Team

The main objective in selecting an RSA team, according to the Federal Highway Administration's (FHWA) *Road Safety Audits Guidelines* is to choose an independent, qualified, and multi-disciplinary team of experts. The recommendations were to include individuals with the following backgrounds:

- Road Safety Specialist - With expertise in causal factors that lead to crashes and effective treatments that address the occurrence of such crashes.
- Traffic Operations Engineer – Qualified in the field of traffic operations and understand the principles of traffic flow, the causes of congestion, and the proper placement and uses of signs, pavement markings, and traffic signal operations.
- Road Design Engineer – With extensive road design experience and familiarity with federal, state, and local standards.
- Local Contact Person – With familiarity with the area under review and the traffic safety issues experienced there.
- Other Areas of Specialties – These include specialists in human factors, maintenance, law enforcement, first response, pedestrian and bicycle use, and transit use.

The FHWA guidelines recommended that the best practice regarding the size of the team is to limit its size. The team should consult with other individuals if other skill sets are necessary. OCPC compiled a list of potential participants to fill the needs of the team. Those participating in the RSA for the Franklin Street/Main Street (Route 27) intersection and the Main Street (Route 27)/Elm Street intersection in Hanson on November 5, 2013 included:

Police Chief Michael Miksch, Hanson Police Department
Lieutenant Joseph Yakavonis, Hanson Police Department
Corey O'Connor, MassDOT Highway Safety Division
Jason Walters, MassDOT District 5 Projects
Robert Overholtzer, OCPC Hanson Delegate
Laurie Muncy, Town Planner, Town of Hanson
Dave Hanlon, Hanson Highway Department
Bob Brown, Highway Surveyor, Hanson Highway Department
Jed Cornock, Transportation Planner, OCPC
Raymond Guarino, Senior Transportation Planner, OCPC
William McNulty, Senior Transportation Planner, OCPC

A copy of the attendance sheet for the pre-audit meeting and the field audit is included in the appendix to this report.



2.2 The RSA Procedure

After receiving the Road Safety Audit request from the town, OCPC, acting as the RSA manager, identified and contacted RSA participants who could act as the independent audit team. OCPC scheduled the RSA for November 5, 2013 at 10:00 AM at the Hanson Police Department, 775 Main Street in Hanson. In addition, OCPC compiled background information including traffic and crash data for the intersection. Posted speed limits were documented and measurements were taken of intersection stopping sight distances in the field. Peak hour intersection turning movement counts were counted on October 22, 2013 and October 24, 2013. Crash data was obtained from the Hanson Police Department for the latest available three year period. Traffic volumes, speed data (85th percentile speeds), and truck traffic were obtained by OCPC utilizing automatic traffic recorders.

3.0 Background Data and Information

3.1 Physical Attributes

Route 27 is classified as an urban principal arterial road, according to the Massachusetts Department of Transportation (MassDOT) road inventory file, and is under local town jurisdiction as it intersects Franklin Street and Elm Street. Franklin Street is classified as an urban minor arterial and Elm Street is classified as an urban collector road. Franklin Street and Elm Street are under local town jurisdiction. Although the roads are under the jurisdiction of the Town of Hanson, they are eligible for federal funding under the Surface Transportation Program (STP). The intersection of Franklin Street/Main Street is located approximately 0.72 miles southeast of the East Bridgewater town line. The Main Street/Elm Street intersection is located approximately 0.62 miles east of the Franklin Street/Main Street intersection.

Franklin Street/Main Street (Route 27) Intersection

Route 27 is a two-lane roadway with lanes between ten and twelve feet wide on both approaches to the Franklin Street/Main Street intersection. This intersection is a “T” type intersection. Site visit observations showed the absence of sidewalks and shoulders. There is a sharp curve on the Route 27 approach to the Franklin Street intersection. There are chevrons on the curve facing both directions of traffic on Route 27. In addition, there is an antiquated flashing signal that is not operational on the southbound approach on Route 27.

The posted speed limit on the southbound approach to Franklin Street is 25 miles per hour, and the speed limit is posted at 30 miles per hour on the northbound approach to the intersection. Franklin Street provides two eleven foot travel lanes and the Franklin Street approach to Main Street widens considerably at its intersection with Main Street, and the street opening is approximately 190 feet wide, which creates a de-facto right turn lane on this approach. There is no stop sign or stop line on the Franklin Street approach and right turning vehicles pass right of vehicles waiting to turn left onto Route



27. The grade is ascending on the Main Street northbound approach, which impacts the sight distance from the Franklin Street approach.

Figure 2 Franklin Street/Main Street (Route 27) Intersection



Franklin Street/Main Street (Route 27) intersection showing lack of stop sign and stop line and wide mouth at the Franklin Street approach



Route 27 southbound approach to the Franklin Street/Main Street (Route 27) intersection (looking northbound away from the intersection)



Franklin Street minor street approach to the Franklin Street/Main Street (Route 27) intersection shows a lack of stop sign and stop line and wide mouth as it intersects Main Street (Route 27)



Main Street (Route 27) northbound approach to the Franklin Street/Main Street (Route 27) intersection showing ascending grade and posted 30 MPH speed limit



Elm Street/Main Street (Route 27) Intersection

The Elm Street/Main Street (Route 27) is a “T” type intersection located approximately 0.62 miles east of the Franklin Street/Main Street (Route 27) intersection. A diner is located on the southwest corner of the intersection with the diner’s parking lot abutting the intersection. There is no curb along the parking lot, which creates a wide open curb cut allowing vehicles to enter and exit from Elm Street and from the Main Street (Route 27) southbound approach.

Main Street (Route 27) consists of two 11 foot travel lanes on the major street northbound and southbound approaches to the intersection. The posted speed limit on Main Street (northbound and southbound) is 35 miles per hour. Elm Street provides two 11 foot travel lanes. A raised island is located on the Elm Street minor street approach to help channel traffic. A stop sign is posted on the island on the Elm Street approach and the distance from the island to the curb is wide enough to allow two vehicles to approach side by side thereby turning the right lane into a de-facto right turning lane. The grade is ascending on the Elm Street approach and on the Main Street (Route 27) northbound approach. Reflectors were recently added by the Town of Hanson along the shoulders of the south side of Main Street (Route 27) to improve visibility for vehicles traversing the intersection.

Figure 3 Elm Street/Main Street (Route 27) Intersection





Main Street (Route 27) northbound approach to the Elm Street/Main Street (Route 27) intersection showing ascending grade



Elm Street approach to the Elm Street/Main Street (Route 27) intersection showing ascending grade and island for channeling traffic



Main Street (Route 27) southbound approach to the Elm Street/Main Street (Route 27) intersection showing wide open curb cut to diner parking lot

3.2 Average Daily Traffic

Traffic counts were conducted on Franklin Street, Main Street (Route 27), and Elm Street to determine the average daily traffic (total traffic within a 24-hour period), prevailing speeds (85th Percentile), and the percentage of heavy vehicles in the traffic flow. These counts were conducted utilizing automatic traffic recorders at locations including Franklin Street (Route 27) north of Main Street, Main Street (Route 27) south of Franklin Street, Franklin Street west of Main Street, Elm Street west of Main Street, and Main Street (Route 27) south of Elm Street.

The traffic recorders were placed for a forty-eight hour period and recorded vehicle volumes, vehicle speeds, and vehicle classifications (the number of heavy vehicles in the traffic stream). A summary of the data is included in the appendix to this report. Table 1 summarizes the traffic volume data collected utilizing the automatic traffic recorders at the study area locations for an average weekday (24-hour period).



Table 1 Average Daily Traffic

Traffic Count Location	2013 Total (Vehicles Per Day, VPD)	85 th Percentile (miles per hour both directions)	Percent of Heavy Vehicles in Traffic
Franklin Street (Route 27) north of Main Street (Route 27)	9,362 VPD	45 MPH	9.1 %
Main Street (Route 27) north of Elm Street	10,930 VPD	43 MPH	5.9 %
Franklin Street west of Main Street	2,571 VPD	41 MPH	8.4 %
Elm Street west of Main Street (Route 27)	3,791 VPD	45 MPH	10.4 %
Main Street (Route 27) south of Elm Street	11,183 VPD	42 MPH	9.0 %

As shown in Table 1, Franklin Street (Route 27) north of Main Street (Route 27) had 9,362 Vehicles per day, Main Street north of Elm Street had 10,930 vehicles per day, Franklin Street west of Main Street had 2,571 vehicles per day, Elm Street west of Main Street had 3,791 vehicles per day, and Main Street (Route 27) south of Elm Street had the most traffic with 11,183 vehicles per day.

3.3 Vehicle Speeds and Heavy Vehicles

In addition to recording the traffic volumes, the automatic traffic recorders also recorded the prevailing speeds (85th percentile) and percentage of heavy vehicles in the traffic stream. The heavy vehicle data is classified into categories based on the Federal Highway Administration (FHWA) classification system. Any vehicle with a minimum of two axles and six tires is considered a heavy vehicle. The traffic recorders measured the 85th percentile speed, which is the speed that 85 percent of vehicles within the traffic flow is travelling, and is considered the “prevailing speed” on the road. Table 1 shows the results of the speed study and vehicle classification. Table 1 shows that the prevailing speed on Franklin Street (Route 27) north of Main Street (Route 27) was 45 Miles per Hour (MPH). This 85th percentile speed represents an average of northbound and southbound traffic and was sampled on a straight section of Franklin Street (Route 27) north of the curve on the approach to the Franklin Street/Main Street (Route 27) intersection. It is assumed that vehicles are forced to slow down within the curve as they travel on the southbound approach to the intersection. Table 1 also shows that the 85th percentile speed on Franklin Street west of Main Street was 41 MPH, the 85th percentile speed on Main Street south of Elm Street was 42 MPH, The 85th percentile north of Elm Street was 43 MPH, and the 85th percentile speed on Elm Street west of Main Street was 45 MPH. The traffic counters indicated that 9.1 percent of the traffic on Franklin Street (Route 27) north of Main Street (Route 27) consisted of heavy vehicles, traffic on Franklin Street west of Main Street consists of 8.4 percent heavy vehicles, traffic on Main Street (Route 27) south of Elm Street consisted of 9.0 percent heavy vehicles, traffic north of Elm Street consisted of 5.9 percent heavy vehicles, and



traffic on Elm Street west of Main Street (Route 27) consisted of 10.4 percent heavy vehicles.

3.4 Intersection Volumes and Levels-of-Service (LOS)

Manual turning movement counts were conducted in October 2013 at the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27) intersection. The counts were conducted during the morning, 7:00 AM to 9:00 AM and afternoon, 4:00 PM to 6:00 PM periods to determine the morning and afternoon peak hours (the highest one-hour volumes.) The morning and afternoon peak hour volume summaries are shown in Figure 4.

The 2013 peak hour turning movement volumes were used to calculate the intersection levels-of-service, for this Road Safety Audit, which discern the existing traffic operating conditions at the intersection. Level-of-service analyses are a qualitative and quantitative measure based on the techniques published in the *Highway Capacity Manual* by the Transportation Research Board. Level-of-service is a general measure that summarizes the overall operation of an intersection or transportation facility. It is based upon the operational conditions of a facility including lane use, traffic control, and lane width, and takes into account such factors as operating speeds, traffic interruptions, and freedom to maneuver.

Level-of-service represents a range of operating conditions and is summarized with letter grades from "A" to "F", with "A" being the most desirable. Level-of-service "E" represents the maximum flow rate or the capacity on a facility. The following describes the characteristics of each level-of-service:

- LOS "A" represents free flow. Individual users are virtually unaffected by the presence of others in the traffic stream.
- LOS "B" is in the range of stable flow, but the presence of other users in the traffic stream begins to be noticeable. Freedom to select desired speeds is still relatively unaffected.
- LOS "C" is in the range of stable flow, but marks the beginning of the range of flow in which the operation of individual users becomes significantly affected by interactions with others in the traffic stream. Occasional backups occur behind turning vehicles.
- LOS "D" represents high-density, but stable, flow. Speed and freedom to maneuver are restricted, and the driver experiences a below average level of comfort and convenience. Small increases in traffic flow will generally cause operational problems at this level.
- LOS "E" represents operating conditions at or near the capacity level. All speeds are reduced to a low, but relatively uniform level. Freedom to maneuver within the traffic stream is extremely limited, and generally requires forcing other vehicles to give way. Congestion levels and delay are very high.



- LOS "F" is representative of forced or breakdown flow. This condition exists wherever the amount of traffic approaching a point exceeds the amount that can traverse the point, resulting in lengthy queues and delay.

The LOS definitions describe conditions based on a number of operational parameters. There are certain parameters utilized as measures of effectiveness for specific facilities. In the case for intersections, two-lane highways, and arterials, which represent the physical conditions that typify the study area corridors, time delay, average stop delay, and average travel speed are used as measures of operational effectiveness to which levels of service are assigned. Table 2 shows the delay criteria for each level-of-service for both un-signalized and signalized intersections.

Table 2 - Level-of-Service Criteria Average Delay in Seconds

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

Peak hour Level-of-service analysis was conducted for both the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27) intersection. Table 3 shows the results of the analysis.

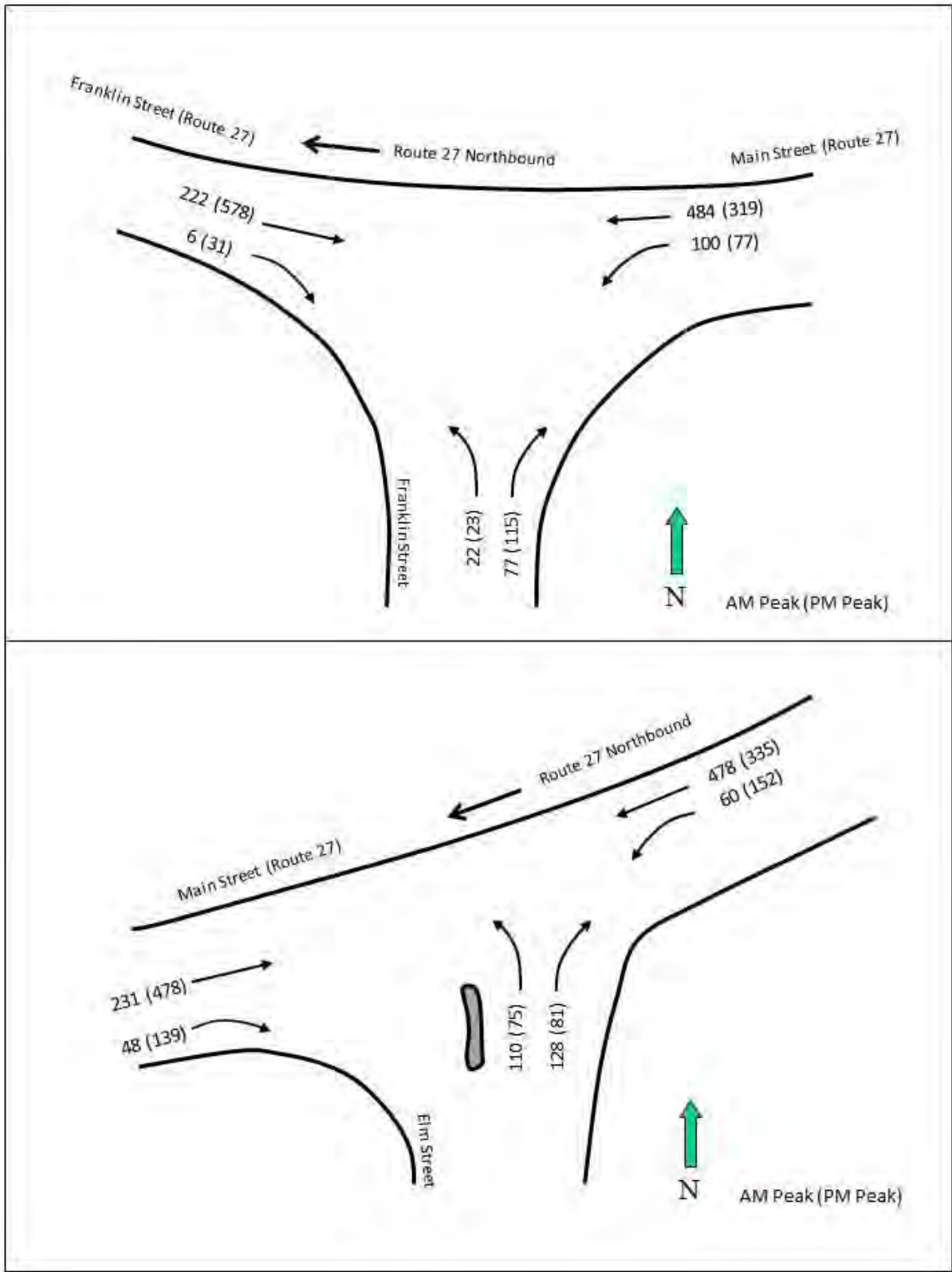
Table 3 Intersection Levels-of-Service

Intersection Location/Critical Movement	AM Peak Hour	PM Peak Hour
Franklin Street at Main Street (Route 27)		
Main Street (Route 27 northbound) Left Turn	A	A
Franklin Street Left Turn	B	C
Franklin Street Right Turn	B	C
Elm Street at Main Street (Route 27)		
Main Street (Route 27 northbound) Left Turn	A	A
Elm Street Left Turn	C	E
Elm Street Right Turn	C	E

As shown in table 3, the critical movements at the Franklin Street/Main Street (Route 27) intersection operate at LOS "C" or better during the morning and afternoon peak hours. At the Elm Street/Main Street intersection, the critical movements operate at LOS "C" or better during the morning peak hour; however, during the afternoon peak hour, the left and right turns from Elm Street to Main Street (Route 27) experience long delays (LOS "E"), the average delays being between 35 and 50 seconds.



Figure 4 Morning and Afternoon Peak Hour Turning Movements





3.5 Available Stopping Sight Distance

The available stopping sight distance on a roadway should be sufficiently long to enable a vehicle traveling at or near the design speed to stop before reaching a stationary object in its path. Stopping sight distance is affected by road conditions, such as grades, curves, and roadside vegetation or other objects (signs, stone walls, fences, etc.). According to the American Association of State Highway and Transportation Officials (AASHTO) – 2011 *A Policy On Geometric Design of Highways and Streets*, stopping sight distance is the length of the roadway ahead that a driver needs to see an object along the road and stop safely without hitting the object. Table 4 shows the required stopping sight distances for the specific design speeds.

Table 4 Required Stopping Sight Distance

Design Speed (MPH)	Required Stopping Sight Distance (feet)
15	80
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570

Stopping sight distances at the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27) intersection were measured by OCPC staff. The measurements showing the Stopping Sight Distances (SSD) for the Franklin Street/Main Street (Route 27) intersection are shown in Figure 5. Figure 5 shows a measured SSD of 310 feet on the southbound approach toward Franklin Street (minor street) on Route 27 and 300 feet of SSD headed northbound along Main Street. Based on Table 4, the SSD is adequate for the 25 MPH posted speed on the southbound approach and the posted 30 MPH on the northbound approach. However, the 85th percentile speed for the traffic heading northbound into the intersection is 43 MPH, based on the automatic traffic recorder speed study. The available 300 feet on the northbound approach, according to Table 4, is not adequate stopping sight distance for this approach.

The Stopping Sight Distances at the Elm Street/Main Street (Route 27) intersection were measured by OCPC staff and are shown in Figure 6. Figure 6 shows that the available SSD northbound on Main Street (Route 27) toward Elm Street is approximately 400 feet, and that the available SSD southbound on Main Street (Route 27) is approximately 500 feet. Based on Table 4, the SSD is adequate on both approaches to the Elm Street/Main Street (Route 27) intersection for the 35 MPH posted speed limits on Main Street (Route 27). The 85th percentile speed for the traffic heading toward the intersection on the



northbound approach on Main Street is 42 MPH, based on based on the automatic traffic recorder speed study. Based on table 4, the 400 feet of SSD on the northbound approach is adequate for the 42 MPH 85th percentile speeds.

Figure 5 Stopping Sight Distance at Franklin Street/Main Street (Route 27) intersection



Figure 6 Stopping Sight Distance at Elm Street/Main Street (Route 27) intersection





3.6 Crash Data

The Institute of Transportation Engineers (ITE) Handbook, *Manual of Traffic Engineering Studies* recommends at least three years of crash data be compiled for safety analysis. The crash data for this study was compiled by the Town of Hanson Police Department for the years 2009, 2010, 2011, 2012, and 2013. The crash data for the year 2013 was compiled for January through October. The crash data and collision diagrams are shown in Figure 7 and Figure 8 for the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27) intersection.

Figure 7 shows nine crashes at the Franklin Street/Main Street (Route 27) intersection within the study period. Two of the nine crashes resulted in personal injury. Seven of the crashes at this intersection were lane departure crashes, whereby a vehicle left the lane and sideswiped another vehicle, hit another head-on, or ran off the road and hit a fixed object. One of the nine crashes was an angle type crash and one was a rear-end collision.

Figure 8 shows that twelve crashes occurred at the Elm Street/Main Street (Route 27) intersection, of which two resulted in personal injury. Six of the crashes at this intersection were lane departure crashes, whereby a vehicle left the lane and sideswiped another vehicle or ran off the road and hit a fixed object. Two of the crashes were angle type crashes and two were rear-end crashes. One of the crashes occurred in the adjacent parking lot, and one involved a vehicle hitting a deer on Route 27.

A crash rate was calculated for the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27) intersection. The crash rate indicates the frequency of crashes at intersections and measures the crash exposure. It is based on the number of crashes per million entering vehicles (MEV). The crash rates calculated for intersections in this study are based upon the ITE equation in the *Manual of Traffic Engineering Studies*. The crash rate per million entering vehicles is the number of accidents in a year (averaged over three years) times one million, divided by the number of vehicles entering the intersection in a year. The crash rate for the Franklin Street/Main Street (Route 27) intersection was calculated to be 0.50 crashes per million entering vehicles. The crash rate for the Elm Street/Main Street (Route 27) intersection was calculated to be 0.52 crashes per million entering vehicles. The average crash rate for un-signalized intersections in MassDOT District 5 is 0.58 MEV. The average crash rate for un-signalized intersections in Massachusetts is 0.60 MEV. The crash rates for these two intersections are below both the MassDOT District average and the Massachusetts average for un-signalized intersections.



Figure 7 Collision Diagram and Crashes for Franklin Street/Main Street (Route 27)

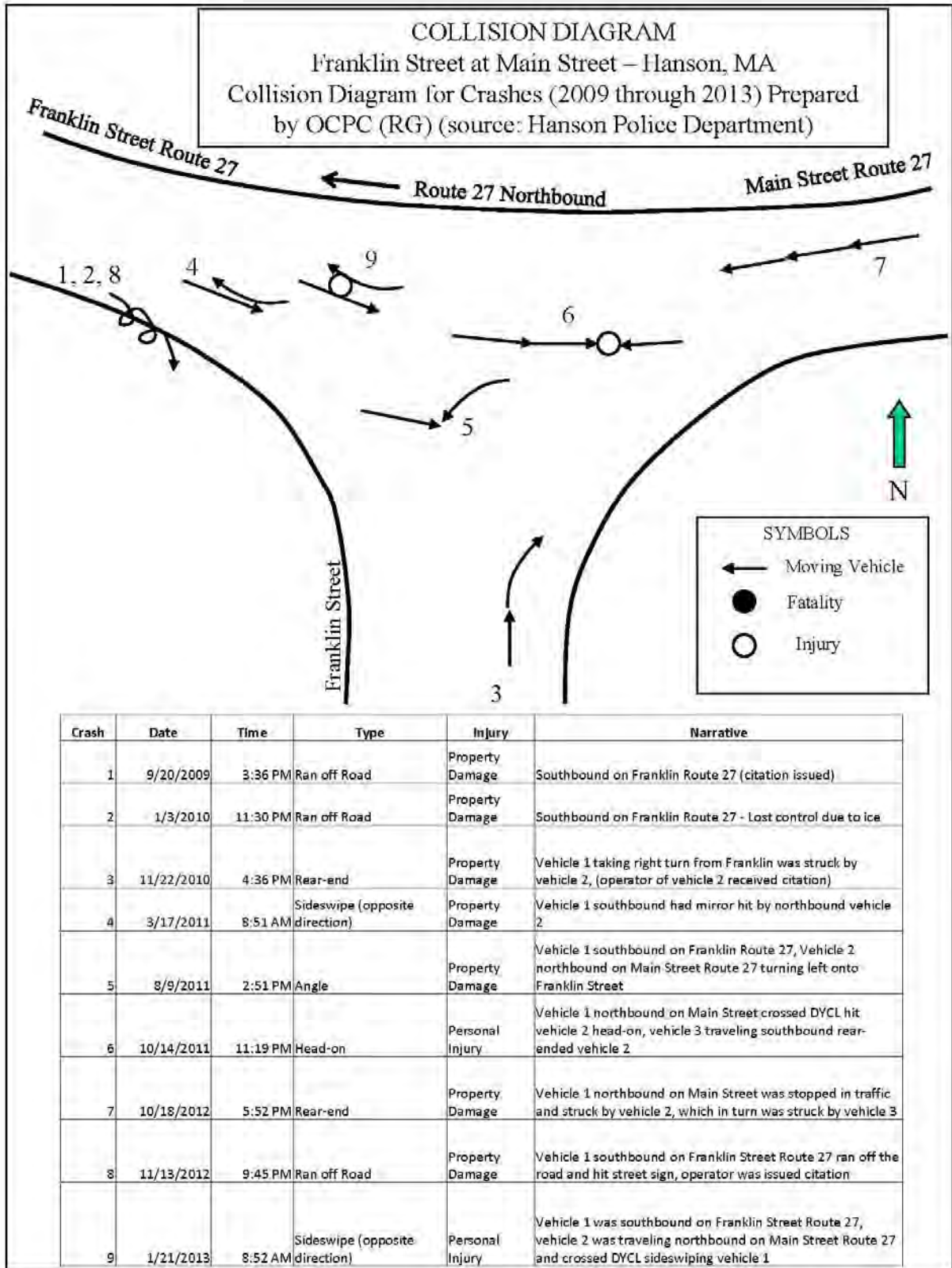
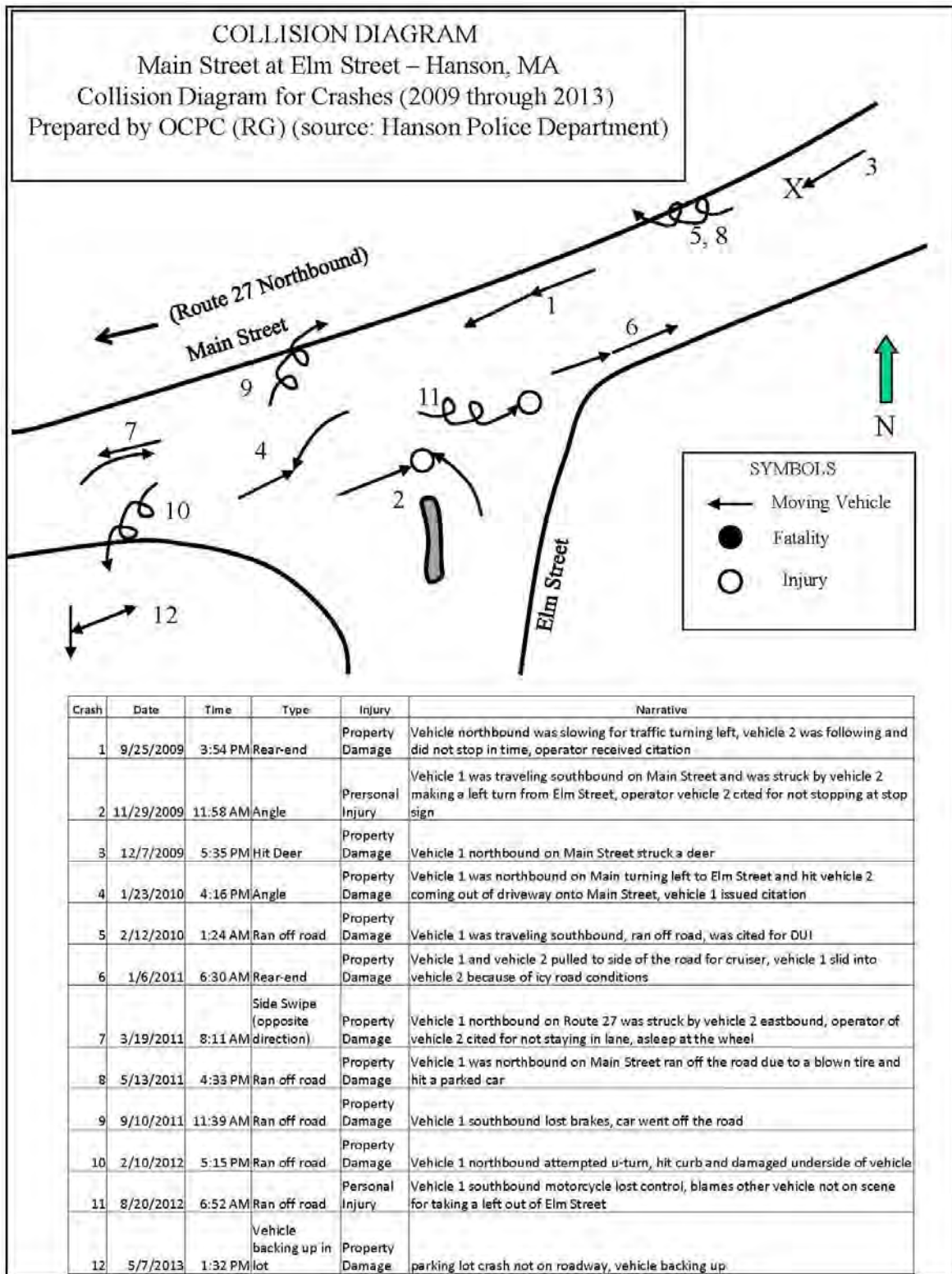




Figure 8 Collision Diagram and Crashes for Elm Street/Main Street (Route 27)





4.0 Safety Challenges and Observed Deficiencies

4.1.1 Pre-Audit Meeting, Field Visit, and Discussion

OCPC held a pre-audit meeting and discussion with the RSA team regarding traffic and safety issues on November 5, 2013 the Hanson Police Department, 775 Main Street (Route 27) in Hanson. The notice and agenda are included in the appendix to this report. OCPC presented the background traffic and crash data to the team and reviewed the purpose, procedures, and timeline for the RSA.

The participants discussed the existing conditions and the history of crashes at the pre-audit meeting. After reviewing the background crash data, traffic volumes, speed data, heavy vehicle data, and discussing the issues, the team re-convened the audit in the field at the Franklin Street/Main Street (Route 27) intersection and the Elm Street/Main Street (Route 27). The team inspected sight lines, the condition and placement of signs along the road, channelization islands, and road alignment.

For the Franklin Street/Main Street (Route 27) intersection the discussion included:

- The lack of visibility approaching the Franklin Street/Main Street (Route 27) intersection on the southbound approach through the curve
- The antiquated flashing sign on the southbound approach to the Franklin Street/Main Street (Route 27) within the curve that is not operational
- There is an unusually wide approach on Franklin Street at its intersection with Main Street (approximately 190 feet), a lack of delineation between Main Street and the wide mouth of Franklin Street, and this wide open area at the intersection adds to turning movement conflict and confusion
- Lack of warning signs on the southbound approach to the Franklin Street/Main Street (Route 27) intersection
- The lack of a stop sign and a stop line and the difficulty in correctly locating the stop sign and stop line due to the unusually wide Franklin Street (minor street) approach to the intersection
- The lack of lighting for nighttime visibility
- The need for a smaller turning radii for the mouth of Franklin Street

For the Elm Street/Main Street (Route 27) intersection, the discussion included:

- The wide open curb cut to the adjacent diner, which is accessible from Route 27 and Elm Street allows traffic to directly enter the intersection conflicting with turning movements and traffic flowing through the intersection
- The alignment of Main Street (Route 27), which curves slightly so that southbound vehicles and northbound vehicles do not have a straight path through the intersection (reflectors were recently added by the town DPW to the southwest-side edge of the roadway on Route 27 to keep southbound vehicles in the travel lane)



Road Safety Audit Franklin Street/Main Street (Route 27) and Elm Street/Main Street (Route 27)- Hanson





4.2 Recommendations and Countermeasures for Consideration

The recommendations and countermeasures developed by the RSA participants have been categorized as short-term, mid-term, or long-term based on the definitions shown in Table 4. Additionally, a cost category has been assigned to each improvement based on the parameters also in Table 4.

Table 4 Time Frame and Cost Categories

Time Frame		Costs	
Short-term	<1 year	Low	<\$10,000
Mid-term	1–3 years	Medium	\$10,000–\$50,000
Long-term	>3 years	High	>\$50,000

Table 5 summarizes the measures recommended by the RSA team for the Franklin Street/Main Street (Route 27) intersection. Included are both the estimated time frame and costs associated with the recommended safety measures.

Table 5 - RSA Recommendations for Franklin Street/Main Street (Route 27)

POTENTIAL RECOMMENDATIONS	ESTIMATED TIME FRAME AND COSTS
Add advanced intersection warning signs on all approaches, remove old non-functioning lighted warning sign on the southbound Route 27 approach, advanced warning signs, W1-10 from the MUTCD would be suitable for this location on each approach	Short-term, low cost
Add a stop sign to the Franklin Street (minor street) approach, upgrade retro-reflectivity, sign positioning, and sign size consistency on all signs	Short-term, low cost
Add a painted island to help channel turning movements, and stop ahead warning sign, MUTCD W3-1, on Franklin Street would also be beneficial	Short-term, low cost
Add dashed fog lines on the southbound approach through the intersection to help through channel traffic	Short-term, low cost
Add a stop line on the Franklin Street (minor street) approach	Short-term, low cost
Add a Two Directional Large Arrow warning sign, MUTCD W1-7, facing the Franklin Street (minor street) approach	Short-term, low cost
Add lighting for nighttime traffic	Short-term, low cost
Trim Back trees along Route 27 to improve sight distance from the Franklin Street (minor street) approach	Short-term, low cost
Optional recommendation - Add flashing beacons to intersection, flashing yellow on Route 27 and flashing red on Franklin Street	Mid-term, medium cost
Optional recommendation – Reconstruct the intersection, reduce the turning radii, construct raised island to channel traffic, install flashing beacons or traffic signals (as warranted based on the MUTCD)	Long term, high cost
Optional recommendation to traffic signal - install roundabout	Long-term, high cost



Table 6 summarizes the measures recommended by the RSA team for the Elm Street/Main Street (Route 27) intersection. Included are a both the estimated time frame and costs associated with the recommended safety measures.

Table 6 - RSA Recommendations for Elm Street/Main Street (Route 27)

POTENTIAL RECOMMENDATIONS	ESTIMATED TIME FRAME AND COSTS
Add advanced warning sign “Stop Ahead” MUTCD W3-1 on the Elm Street (minor street) approach, upgrade retro-reflectivity, sign positioning, and sign size consistency on all signs	Short-term, low cost
Add a stop line to the Elm Street (minor street) approach	Short-term, low cost
Reach out to the owner of the diner (Moe’s Diner) at the Elm Street/Main Street corner to close down some of the wide open curb cut (which would help add parking) and in order to improve sight distance at the intersection, request that the bushes beneath the sign on Main Street be cut and the “open” flag be repositioned	Short-term, low cost
Add dashed fog lines on the southbound approach through the intersection to help through channel traffic	Short-term, low cost
Add a Two Directional Large Arrow warning sign (MUTCD W1-7) facing the Elm Street (minor street) approach	Short-term, low cost
Add lighting for nighttime traffic	Short-term, low cost
Optional recommendation - Add flashing beacons to intersection, flashing yellow on Route 27 and flashing red on Elm Street	Mid-term, medium cost
Optional recommendation – Reconstruct the intersection, reduce the turning radii, install flashing beacons or traffic signals (add signals as warranted based on the MUTCD)	Long term, high cost

Two directional large arrow warning sign W1-7



Advanced intersection warning sign W1-10





Advanced intersection warning sign Stop Ahead W3-1



Conceptual Pavement Marking Plans

As a result of the Road Safety Audit team’s discussions on potential improvements, the MassDOT representatives subsequently developed two alternative conceptual pavement parking plans for the Franklin Street/Main Street intersection. These conceptual plans are shown in Figures 9 and 10

Figure 9 Pavement Marking Plan 1 for Franklin Street/Main Street Intersection

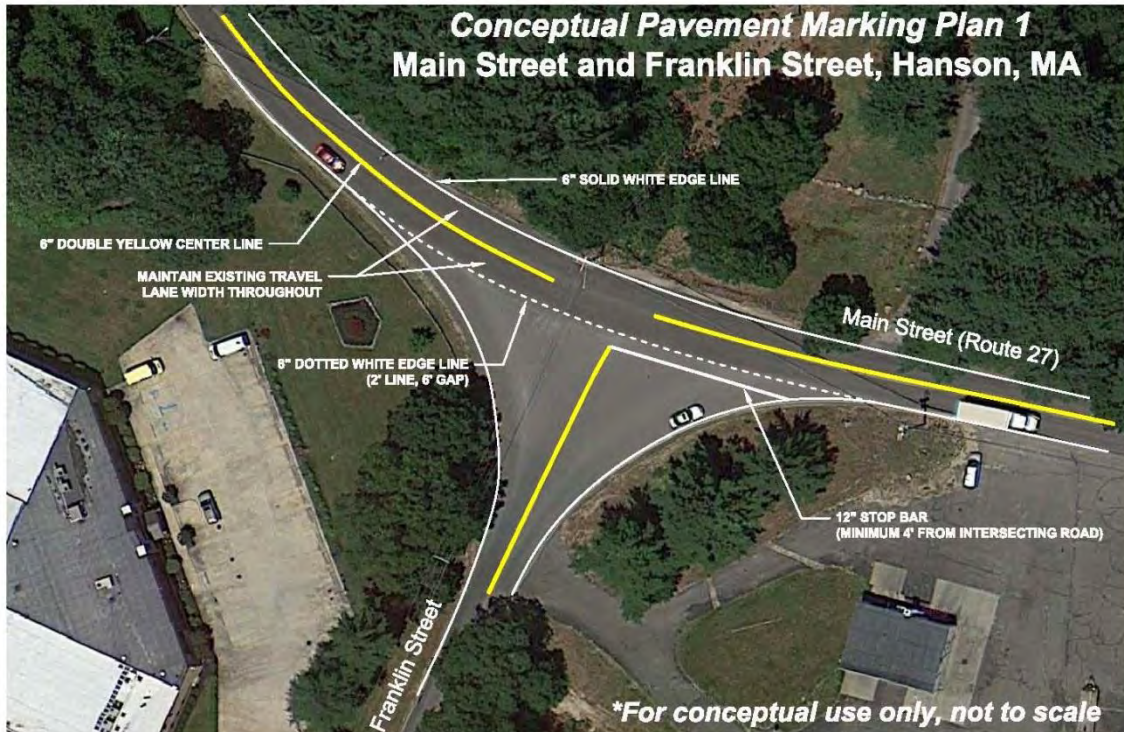
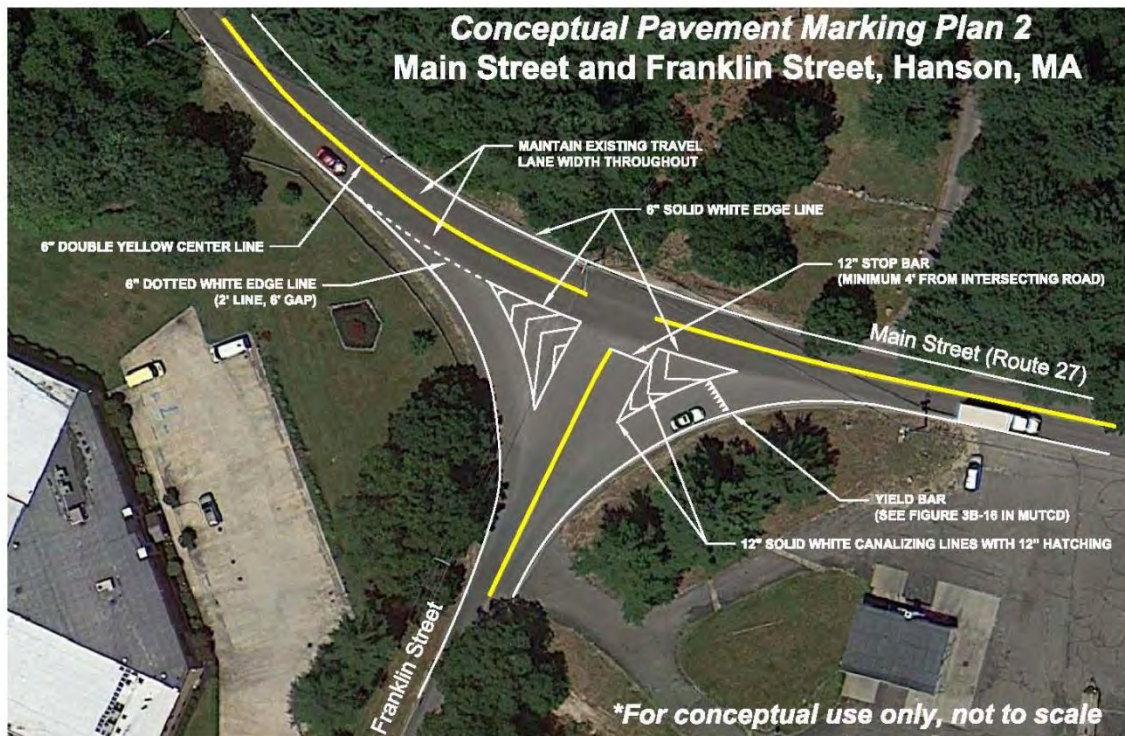




Figure 10 Pavement Marking Plan 2 for Franklin Street/Main Street Intersection



4.2.1 Alternative Recommendation Analysis

Flashing Beacons

Flashing beacons, which are installed overhead at intersections, reinforce driver awareness of stop signs, and contribute toward mitigating right angle crashes. The beacons are used to supplement stop signs and to call drivers' attention to the stop signs. Flashing beacons are not as effective as a multi-way stop in reducing the number of fatalities or stop sign violations at intersections, although there is a general reduction in speeds on the major road approaches (according to the *Manual on Uniform Traffic Control Devices*, MUTCD). This alternative can be used in conjunction with advanced warning signs on the intersection approaches. The flashing beacon should be properly placed where they are clearly visible to approaching drivers. The MUTCD states that a supplemental signal indication can be used on one or more approaches to provide additional visibility to approaching vehicles.

Traffic Signals

The MUTCD provides the basis for the consideration of the installation of traffic control signals. The MUTCD guidance states that the selection and use of traffic control signals should be based on an engineering study of roadway conditions. These warrants provide an analysis of traffic operations that define the minimum conditions under



which installing traffic control signals might be justified. The MUTCD states that a traffic control signal should not be installed unless one or more of the warrants are satisfied.

Traffic signals assign the right-of-way to traffic movements at an intersection and provide a number of advantages including:

- They provide for the orderly movement of traffic.
- They increase the traffic-handling capacity of the intersection if proper physical layouts and control measures are used, and if the signal timing is reviewed and updated on a regular basis (every two years) to ensure that it satisfies current traffic demands.
- They reduce the frequency and severity of certain types of crashes, especially right-angle collisions.
- They are coordinated to provide for continuous or nearly continuous movement of traffic at a definite speed along a given route under favorable conditions.
- They are used to interrupt heavy traffic at intervals to permit other traffic, vehicular or pedestrian, to cross.

It is important to note that the MUTCD states that a traffic control signal should not be installed if it will seriously disrupt progressive traffic flow. The signal warrant analysis performed for the intersection based on the MUTCD is included in the appendix to this report.

The results of the warrant analysis show that the existing traffic volumes at both the Franklin Street/Main (Route 27) Street intersection and the Elm Street/Main Street (Route 27) intersection did meet the warrant criteria in the MUTCD to justify a traffic signal. Warrant 1, Eight Hour Vehicular Volume, Warrant 2, Four Hour Vehicular Volume, and Warrant 3, Peak Hour of the MUTCD were satisfied by existing volumes at both intersections.

5.0 Conclusions

5.1 Recommendation Summary

A number of safety improvement opportunities have been described in this report, along with their potential impacts, to address the identified deficiencies at both the Franklin Street/Main (Route 27) Street intersection and the Elm Street/Main Street (Route 27) intersection. It is important to note that many treatments are both low cost and short term and that there is a complementary nature of some of these safety strategies in that one improvement will aid with multiple safety issues.

Traffic conditions at both intersections do satisfy the MUTCD warrants for the installation of a traffic signal, however, low cost, short term solutions cited in Tables six and seven can improve overall safety and operations.



6.0 Appendix

6.1 Audit Meeting Agenda

6.2 Safety Audit and Meeting Sign-in Sheet

6.3 Morning and Afternoon Intersection Peak Hour Turning Movement Data

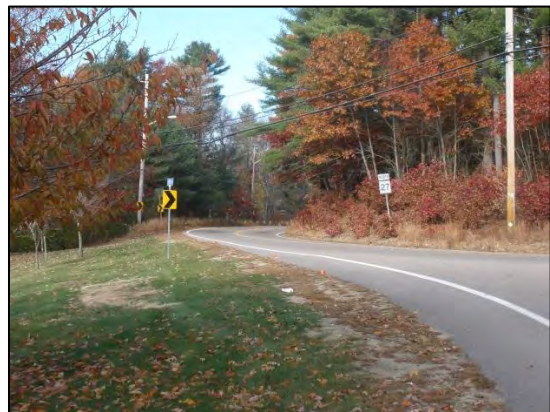
6.4 Automatic Traffic Recorder Vehicle Volumes, Speeds, and Vehicle Classifications

6.5 AM and PM Intersection Peak Hour Levels-of-Service

6.6 Signal Warrant Summaries

6.7 Crash Rate Work Sheets

APPENDIX
ROAD SAFETY AUDIT
for
Franklin Street at Main Street (Route 27) Intersection
and Main Street (Route 27) at Elm Street Intersection
Hanson, MA
November 2013



Prepared by:

Old Colony Planning Council
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Brockton, MA. 02301
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MassDOT Contract # 69649



6.0 Appendix

6.1 Audit Meeting Agenda

6.2 Safety Audit and Meeting Sign-in

6.3 Morning and Afternoon Intersection Peak Hour Turning Movement Data

6.4 Automatic Traffic Recorder Vehicle Volumes Speeds, and Vehicle Classifications

6.5 AM and PM Intersection Peak Hour Levels-of-Service

6.6 Signal Warrant Summaries

6.7 Crash Rate Work Sheet

6.1 Audit Meeting Agenda

Agenda

Road Safety Audit

Hanson, MA – Two Intersections:

1. Franklin Street at Main Street (Route 27)
2. Main Street (Route 27) at Elm Street

Meeting Location: Hanson Police Department
775 Main Street
Hanson, MA 02341
Tuesday, November 5, 2013
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** **Review of Site Specific Material**
- Crash Data, Turning Movement Volumes, Daily Volumes, Speed Summaries
 - Traffic Control, Existing Geometries, Sight Distances, and Conditions
- 10:45 AM** **Visit the Site**
- Walk / drive the study area
 - As a group, identify areas for improvement
- 11:30 AM** **Post Visit Discussion / Completion of RSA**
- Discuss observations and finalize findings
 - Discuss potential improvements and finalize recommendations
- 12:00 PM** **Adjourn for the Day**

Instructions for Participants:

- Before attending the RSA participants are encouraged to drive through the intersections and Route 27 corridor 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.

6.2 Safety Audit and Meeting Sign-in

ROAD SAFETY AUDIT NOV 5, 2013
 HANSON, MA
 FRANKLIN AT MAIN AND MAIN AT ELM

<u>NAME</u>	<u>ORGANIZATION</u>	<u>EMAIL</u>
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Dave Hanlon	Hanson Highway	dave.hanlon@comcast.net
BOB BROWN	HANSON Highway	highway@HANSON.MA.GOV

6.3 Morning and Afternoon Intersection Peak Hour Turning Movement Data



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Community: Hanson
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File Name : Main Street (Route 27) & Franklin Street_PM
 Site Code : 123
 Start Date : 10/22/2013
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Main Street (Route 27) Westbound				Franklin Street Northbound				Main Street (Route 27) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	94	17	0	111	28	7	0	35	9	109	0	118	264
04:15 PM	93	21	0	114	26	8	0	34	11	151	0	162	310
04:30 PM	82	18	0	100	31	3	0	34	6	151	0	157	291
04:45 PM	72	20	0	92	32	11	0	43	4	118	0	122	257
Total	341	76	0	417	117	29	0	146	30	529	0	559	1122
05:00 PM	72	18	0	90	26	1	0	27	10	158	0	168	285
05:15 PM	61	25	0	86	38	5	0	43	8	138	0	146	275
05:30 PM	75	25	0	100	37	6	0	43	17	134	0	151	294
05:45 PM	51	31	0	82	30	6	0	36	16	133	0	149	267
Total	259	99	0	358	131	18	0	149	51	563	0	614	1121
Grand Total	600	175	0	775	248	47	0	295	81	1092	0	1173	2243
Apprch %	77.4	22.6	0		84.1	15.9	0		6.9	93.1	0		
Total %	26.7	7.8	0	34.6	11.1	2.1	0	13.2	3.6	48.7	0	52.3	
Cars	588	170	0	758	244	46	0	290	76	1069	0	1145	2193
% Cars	98	97.1	0	97.8	98.4	97.9	0	98.3	93.8	97.9	0	97.6	97.8
Buses	3	0	0	3	0	0	0	0	0	1	0	1	4
% Buses	0.5	0	0	0.4	0	0	0	0	0	0.1	0	0.1	0.2
Trucks	9	5	0	14	4	1	0	5	5	22	0	27	46
% Trucks	1.5	2.9	0	1.8	1.6	2.1	0	1.7	6.2	2	0	2.3	2.1

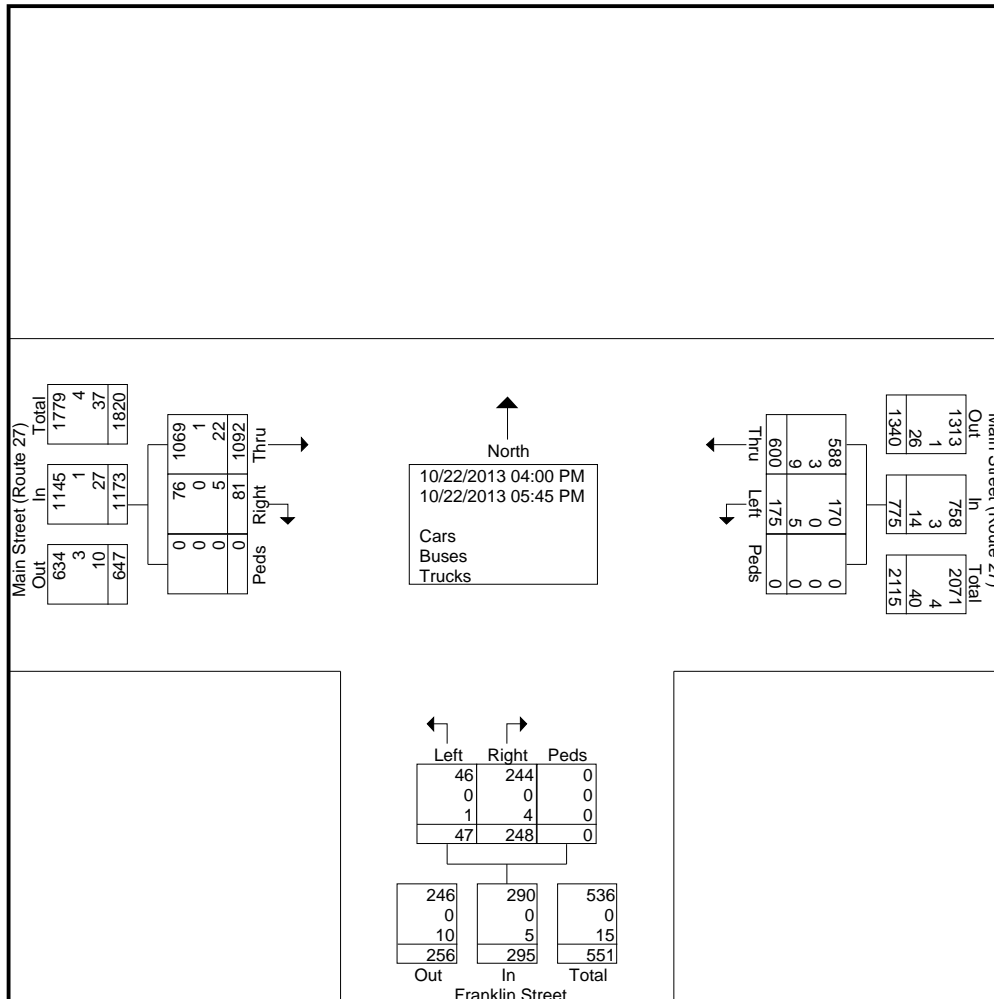


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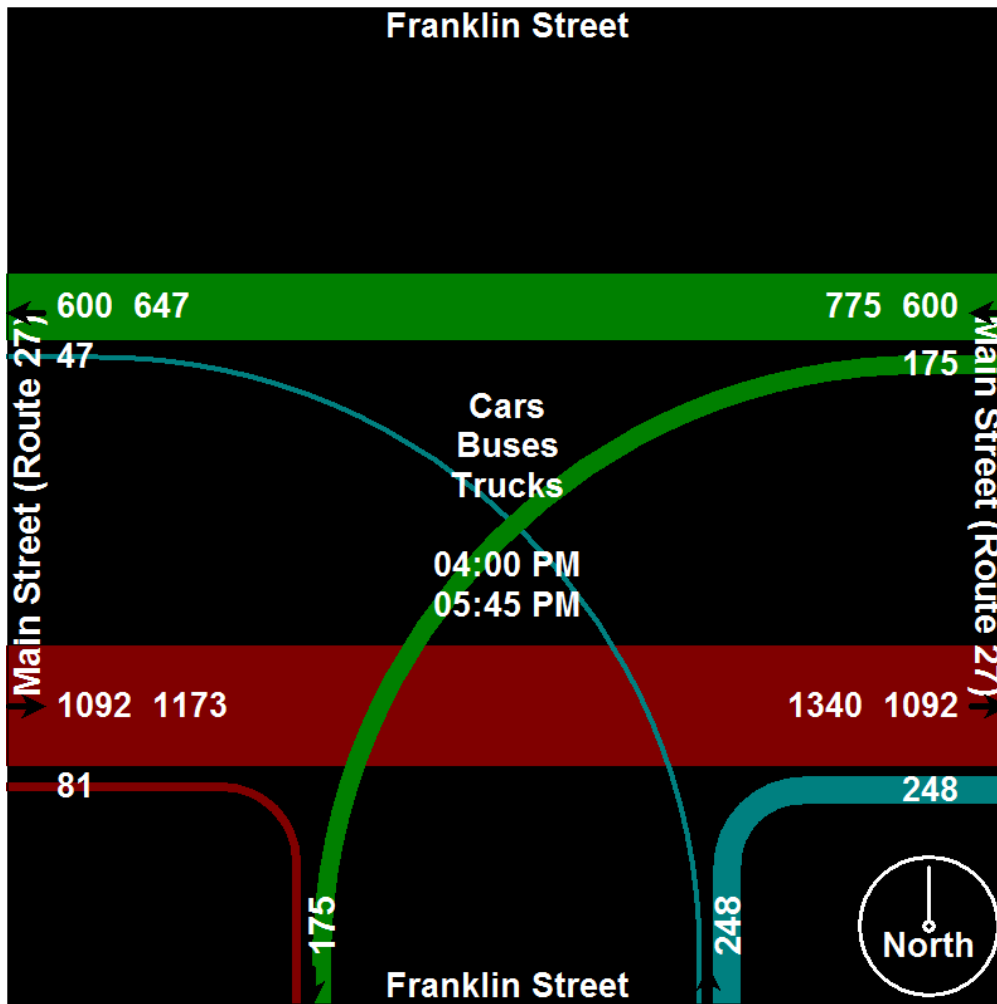


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Start Time	Main Street (Route 27) Westbound				Franklin Street Northbound				Main Street (Route 27) Eastbound				Int. Total
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:15 PM													
04:15 PM	93	21	0	114	26	8	0	34	11	151	0	162	310
04:30 PM	82	18	0	100	31	3	0	34	6	151	0	157	291
04:45 PM	72	20	0	92	32	11	0	43	4	118	0	122	257
05:00 PM	72	18	0	90	26	1	0	27	10	158	0	168	285
Total Volume	319	77	0	396	115	23	0	138	31	578	0	609	1143
% App. Total	80.6	19.4	0		83.3	16.7	0		5.1	94.9	0		
PHF	.858	.917	.000	.868	.898	.523	.000	.802	.705	.915	.000	.906	.922
Cars	310	74	0	384	114	22	0	136	29	562	0	591	1111
% Cars	97.2	96.1	0	97.0	99.1	95.7	0	98.6	93.5	97.2	0	97.0	97.2
Buses	3	0	0	3	0	0	0	0	0	1	0	1	4
% Buses	0.9	0	0	0.8	0	0	0	0	0	0.2	0	0.2	0.3
Trucks	6	3	0	9	1	1	0	2	2	15	0	17	28
% Trucks	1.9	3.9	0	2.3	0.9	4.3	0	1.4	6.5	2.6	0	2.8	2.4

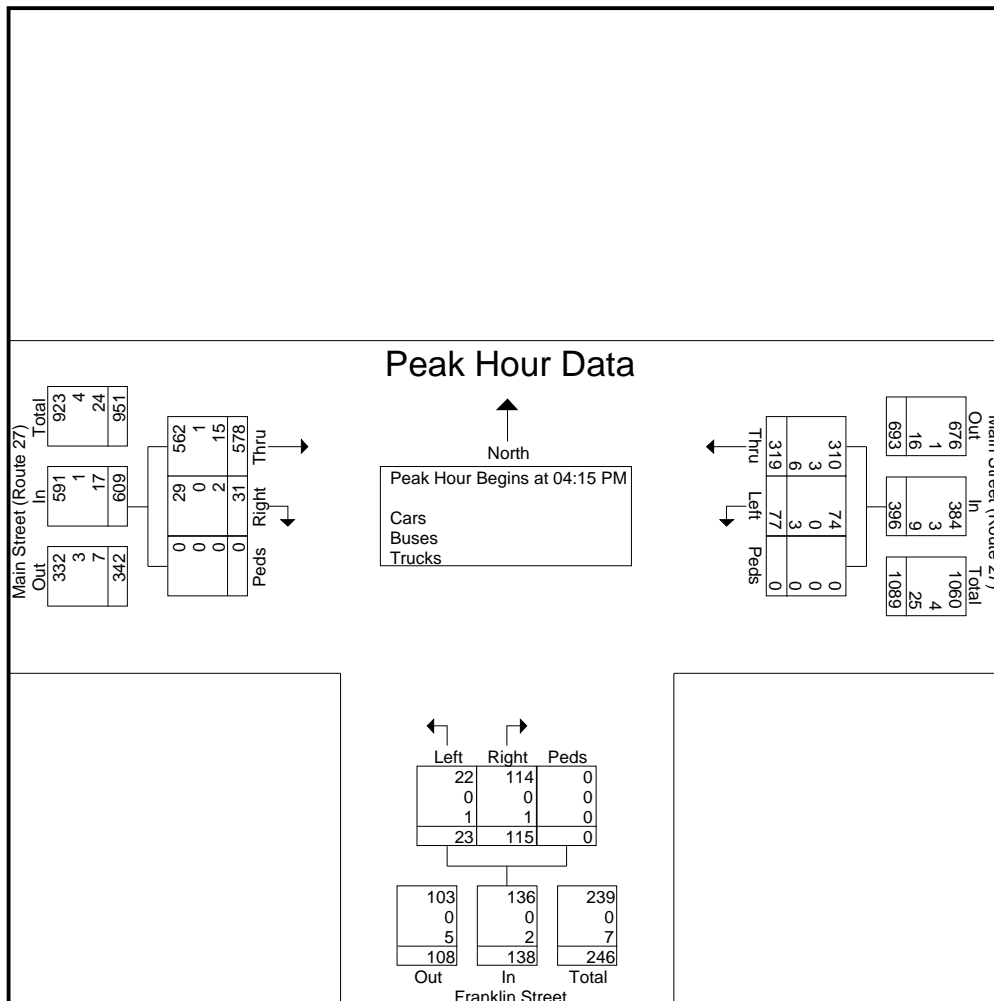


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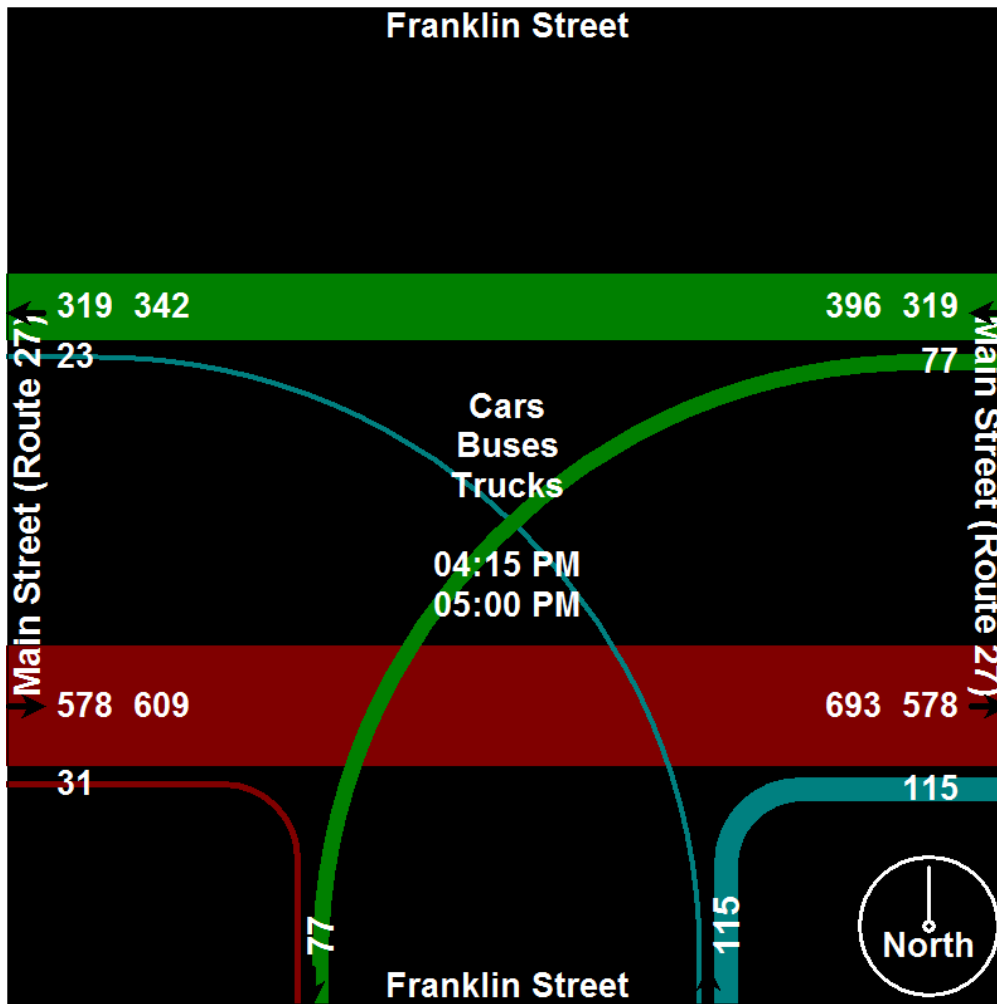


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Image 1





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Groups Printed- Cars - Buses - Trucks

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	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	112	22	0	134	16	3	0	19	2	56	0	58	211
07:15 AM	113	24	0	137	27	6	0	33	1	52	0	53	223
07:30 AM	135	34	0	169	18	8	0	26	2	54	0	56	251
07:45 AM	124	20	0	144	16	5	0	21	1	60	0	61	226
Total	484	100	0	584	77	22	0	99	6	222	0	228	911
08:00 AM	107	30	0	137	17	2	0	19	4	38	0	42	198
08:15 AM	112	18	0	130	16	5	0	21	7	50	0	57	208
08:30 AM	81	16	0	97	20	7	0	27	2	48	0	50	174
08:45 AM	94	15	0	109	19	8	0	27	3	41	0	44	180
Total	394	79	0	473	72	22	0	94	16	177	0	193	760
Grand Total	878	179	0	1057	149	44	0	193	22	399	0	421	1671
Apprch %	83.1	16.9	0		77.2	22.8	0		5.2	94.8	0		
Total %	52.5	10.7	0	63.3	8.9	2.6	0	11.5	1.3	23.9	0	25.2	
Cars	830	170	0	1000	136	38	0	174	18	360	0	378	1552
% Cars	94.5	95	0	94.6	91.3	86.4	0	90.2	81.8	90.2	0	89.8	92.9
Buses	18	3	0	21	4	0	0	4	3	15	0	18	43
% Buses	2.1	1.7	0	2	2.7	0	0	2.1	13.6	3.8	0	4.3	2.6
Trucks	30	6	0	36	9	6	0	15	1	24	0	25	76
% Trucks	3.4	3.4	0	3.4	6	13.6	0	7.8	4.5	6	0	5.9	4.5

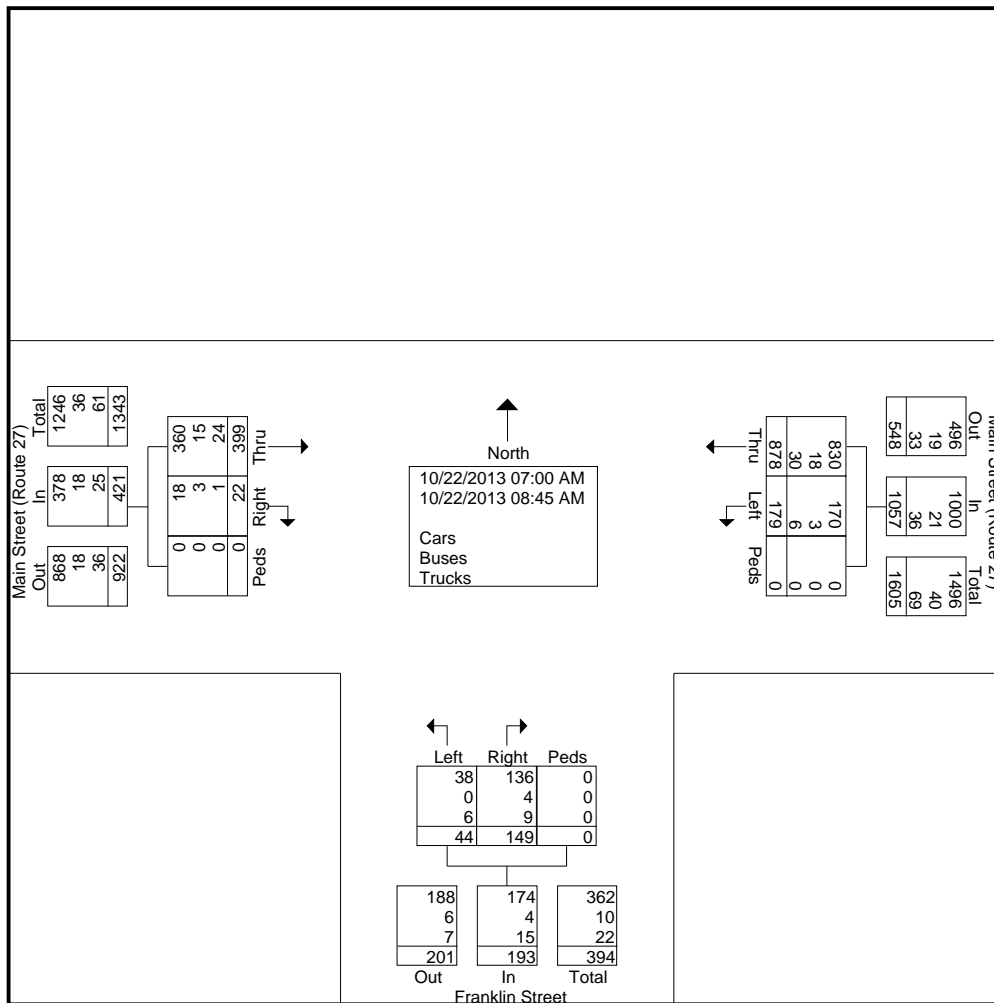


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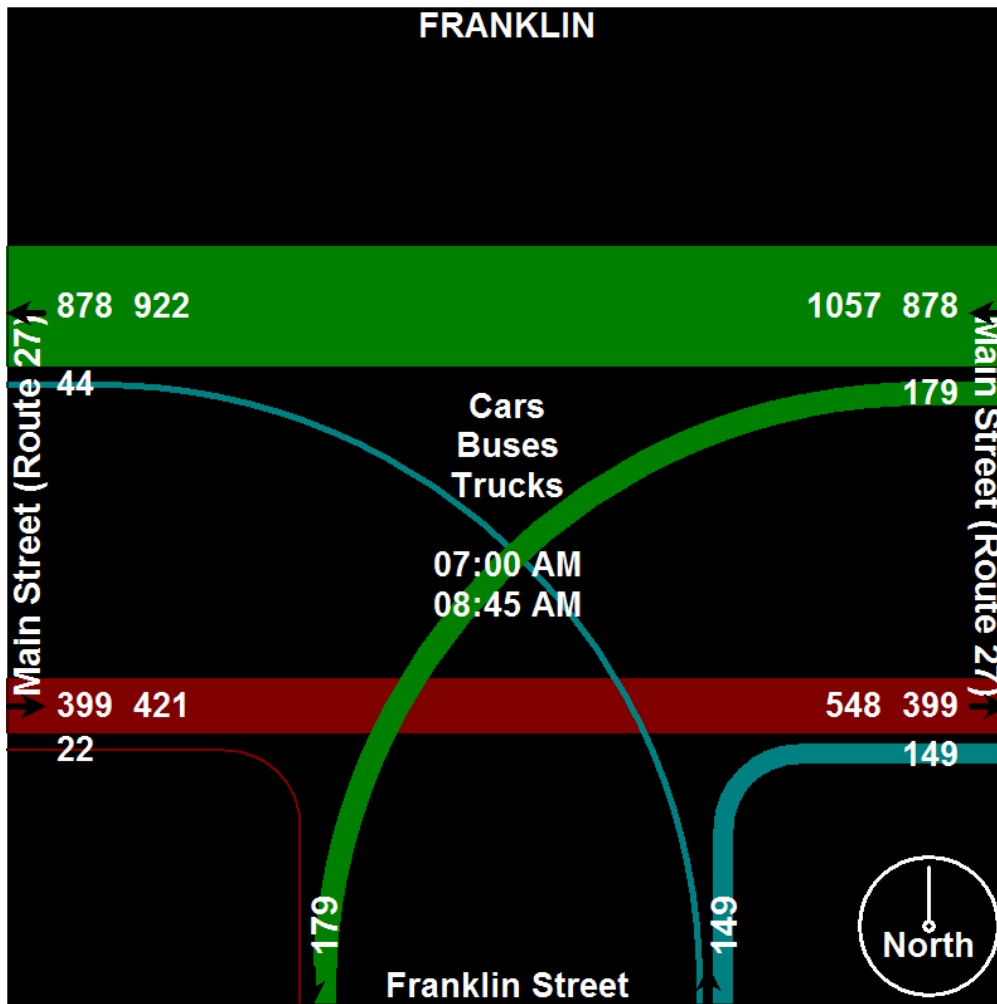


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	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:00 AM													
07:00 AM	112	22	0	134	16	3	0	19	2	56	0	58	211
07:15 AM	113	24	0	137	27	6	0	33	1	52	0	53	223
07:30 AM	135	34	0	169	18	8	0	26	2	54	0	56	251
07:45 AM	124	20	0	144	16	5	0	21	1	60	0	61	226
Total Volume	484	100	0	584	77	22	0	99	6	222	0	228	911
% App. Total	82.9	17.1	0		77.8	22.2	0		2.6	97.4	0		
PHF	.896	.735	.000	.864	.713	.688	.000	.750	.750	.925	.000	.934	.907
Cars	463	97	0	560	74	20	0	94	3	201	0	204	858
% Cars	95.7	97.0	0	95.9	96.1	90.9	0	94.9	50.0	90.5	0	89.5	94.2
Buses	12	1	0	13	2	0	0	2	2	7	0	9	24
% Buses	2.5	1.0	0	2.2	2.6	0	0	2.0	33.3	3.2	0	3.9	2.6
Trucks	9	2	0	11	1	2	0	3	1	14	0	15	29
% Trucks	1.9	2.0	0	1.9	1.3	9.1	0	3.0	16.7	6.3	0	6.6	3.2

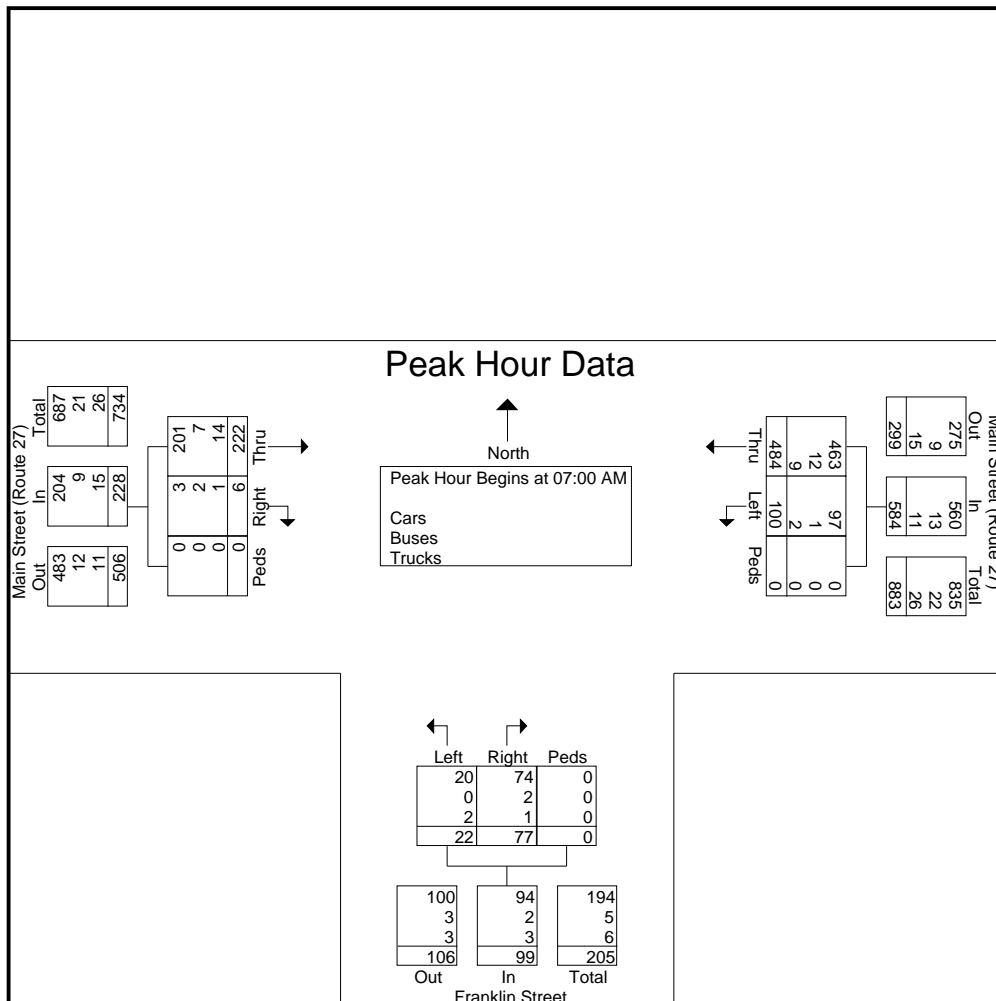


Old Colony Planning Council

70 School Street
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 (508) 583-1833
 www.ocpcrpa.org

Community: Hanson
 Weather: Clear
 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Franklin Street_AM
 Site Code : 123
 Start Date : 10/22/2013
 Page No : 5



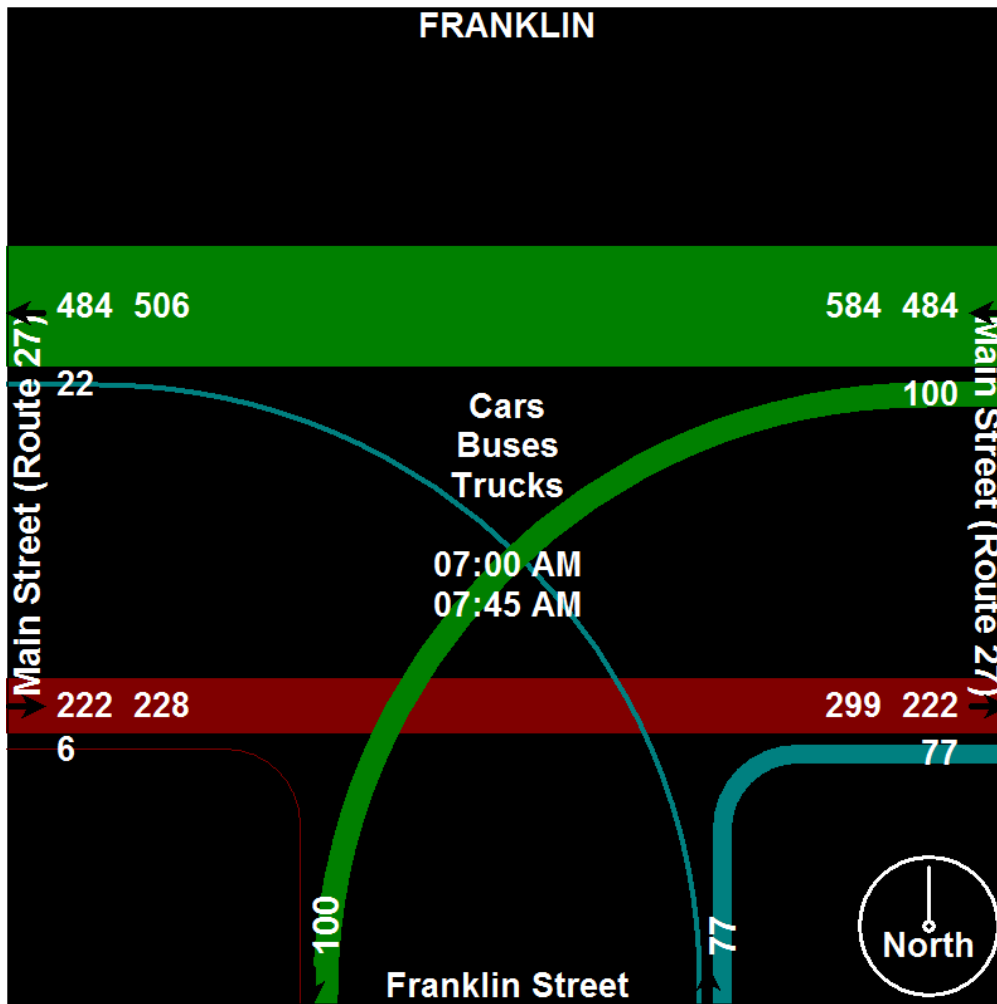


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File Name : Main Street (Route 27) & Franklin Street_AM
Site Code : 123
Start Date : 10/22/2013
Page No : 7

Image 1





Old Colony Planning Council

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 (508) 583-1833
www.ocpcrpa.org

Community: Hanson
 Weather: Clear
 Board # & Staff: DB-400 (5) / BH
 Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Elm Street_PM
 Site Code : 123
 Start Date : 10/23/2013
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Main Street (Route 27) Westbound				Elm Street Northbound				Main Street (Route 27) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
04:00 PM	40	18	0	58	21	14	0	35	27	71	0	98	191
04:15 PM	75	24	0	99	9	19	0	28	32	97	0	129	256
04:30 PM	84	22	0	106	19	15	0	34	40	92	0	132	272
04:45 PM	92	32	0	124	27	14	0	41	42	129	0	171	336
Total	291	96	0	387	76	62	0	138	141	389	0	530	1055
05:00 PM	74	46	0	120	12	13	0	25	37	129	0	166	311
05:15 PM	97	36	0	133	19	18	0	37	26	114	0	140	310
05:30 PM	72	38	0	110	23	30	1	54	34	104	0	138	302
05:45 PM	93	40	0	133	10	26	0	36	22	110	0	132	301
Total	336	160	0	496	64	87	1	152	119	457	0	576	1224
Grand Total	627	256	0	883	140	149	1	290	260	846	0	1106	2279
Apprch %	71	29	0		48.3	51.4	0.3		23.5	76.5	0		
Total %	27.5	11.2	0	38.7	6.1	6.5	0	12.7	11.4	37.1	0	48.5	
Cars	615	249	0	864	133	147	1	281	255	833	0	1088	2233
% Cars	98.1	97.3	0	97.8	95	98.7	100	96.9	98.1	98.5	0	98.4	98
Buses	1	1	0	2	3	1	0	4	0	3	0	3	9
% Buses	0.2	0.4	0	0.2	2.1	0.7	0	1.4	0	0.4	0	0.3	0.4
Trucks	11	6	0	17	4	1	0	5	5	10	0	15	37
% Trucks	1.8	2.3	0	1.9	2.9	0.7	0	1.7	1.9	1.2	0	1.4	1.6

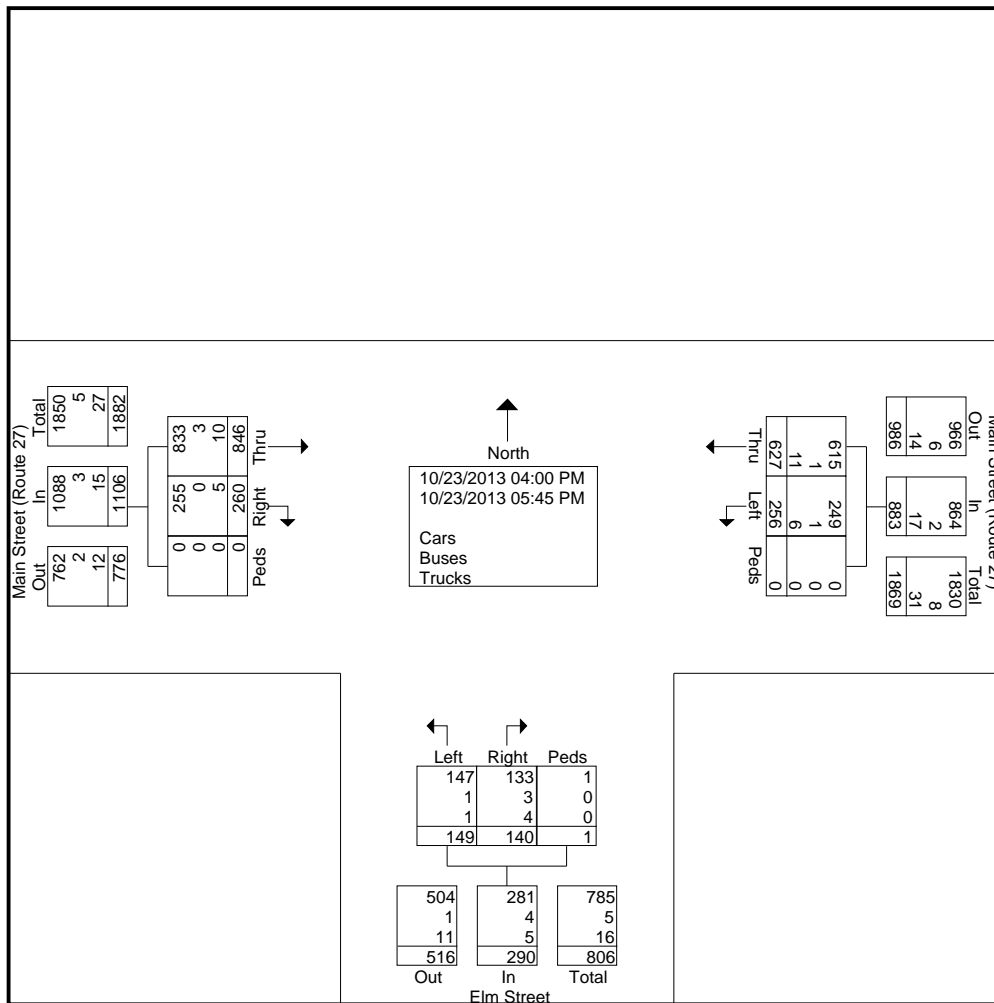


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 Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Elm Street_PM
 Site Code : 123
 Start Date : 10/23/2013
 Page No : 2



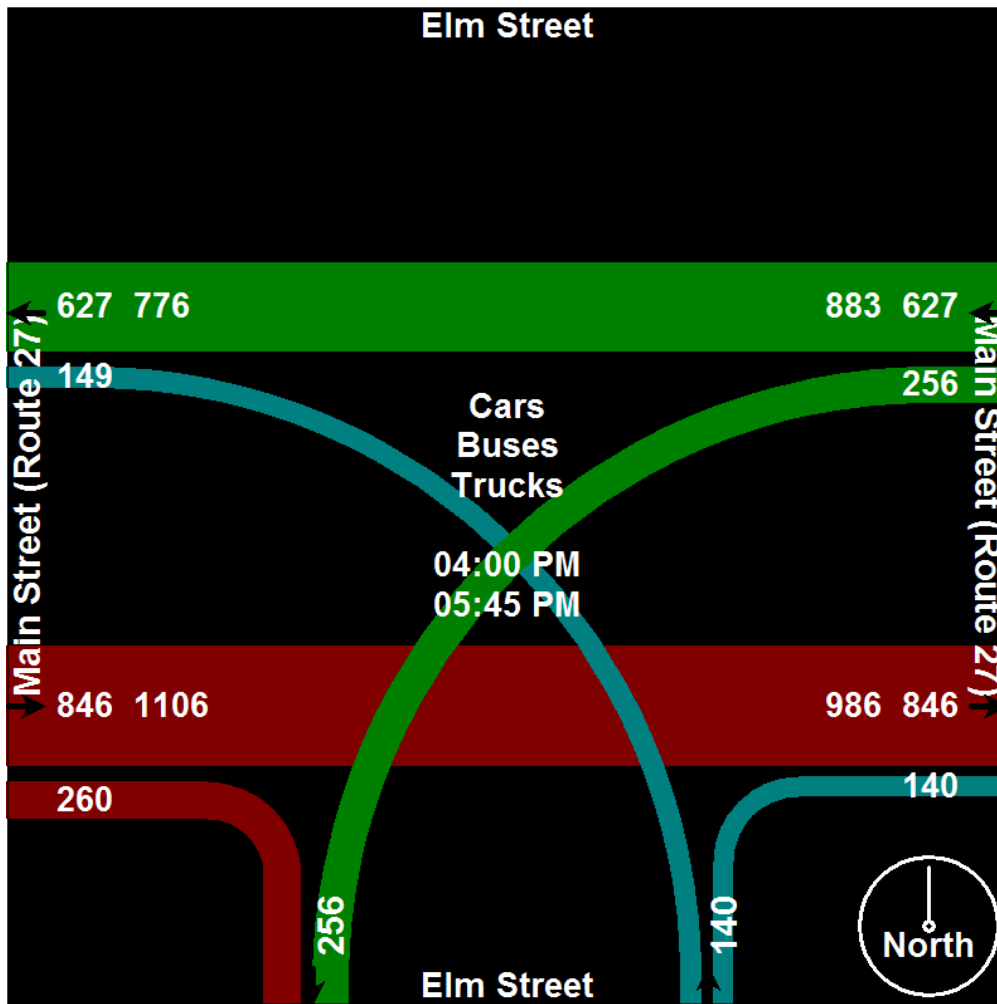


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File Name : Main Street (Route 27) & Elm Street_PM
Site Code : 123
Start Date : 10/23/2013
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File Name : Main Street (Route 27) & Elm Street_PM
 Site Code : 123
 Start Date : 10/23/2013
 Page No : 4

Start Time	Main Street (Route 27) Westbound				Elm Street Northbound				Main Street (Route 27) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	92	32	0	124	27	14	0	41	42	129	0	171	336
05:00 PM	74	46	0	120	12	13	0	25	37	129	0	166	311
05:15 PM	97	36	0	133	19	18	0	37	26	114	0	140	310
05:30 PM	72	38	0	110	23	30	1	54	34	104	0	138	302
Total Volume	335	152	0	487	81	75	1	157	139	476	0	615	1259
% App. Total	68.8	31.2	0		51.6	47.8	0.6		22.6	77.4	0		
PHF	.863	.826	.000	.915	.750	.625	.250	.727	.827	.922	.000	.899	.937
Cars	331	148	0	479	79	75	1	155	135	472	0	607	1241
% Cars	98.8	97.4	0	98.4	97.5	100	100	98.7	97.1	99.2	0	98.7	98.6
Buses	0	0	0	0	1	0	0	1	0	1	0	1	2
% Buses	0	0	0	0	1.2	0	0	0.6	0	0.2	0	0.2	0.2
Trucks	4	4	0	8	1	0	0	1	4	3	0	7	16
% Trucks	1.2	2.6	0	1.6	1.2	0	0	0.6	2.9	0.6	0	1.1	1.3

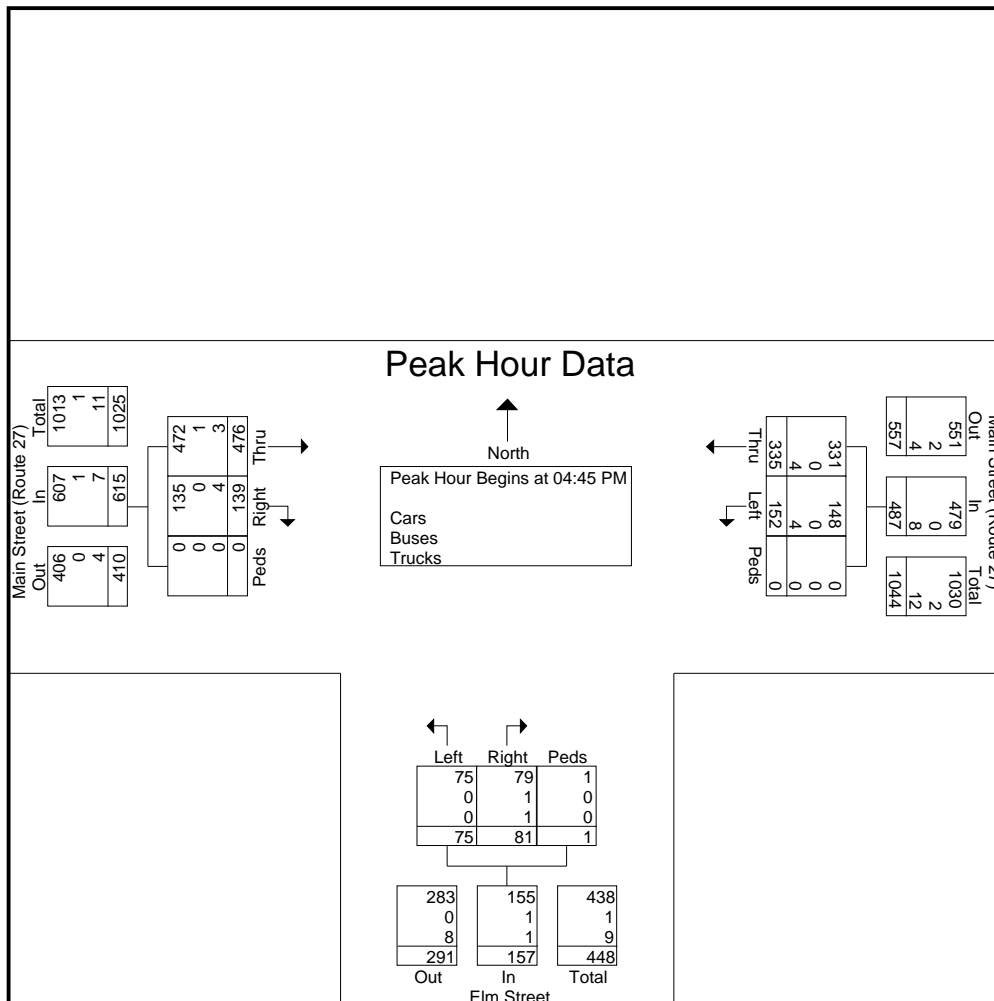


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 Site Code : 123
 Start Date : 10/23/2013
 Page No : 5



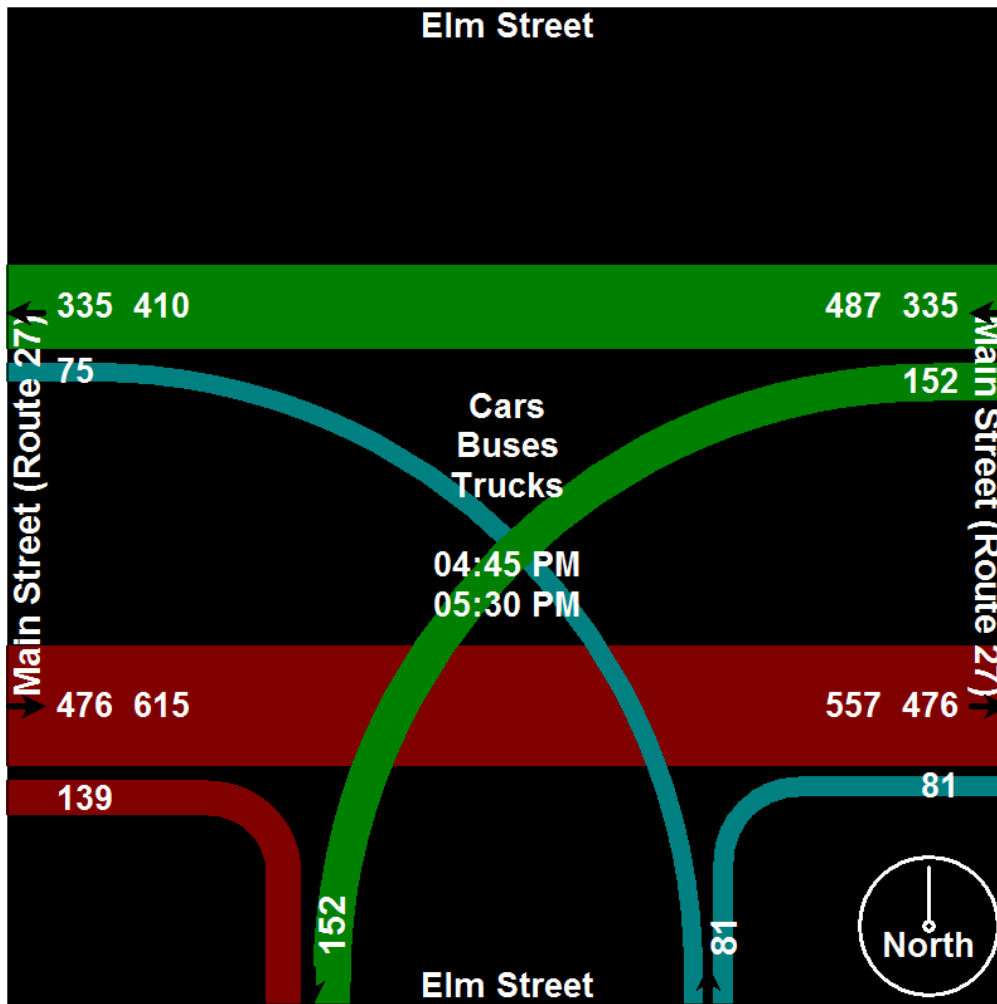


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Site Code : 123
Start Date : 10/23/2013
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Image 1





Old Colony Planning Council

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Community: Hanson
 Weather: Clear
 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Elm Street_AM
 Site Code : 123
 Start Date : 10/24/2013
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Main Street (Route 27) Westbound				Elm Street Northbound				Main Street (Route 27) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Factor	1.0	1.0	1.0		1.0	1.0	1.0		1.0	1.0	1.0		
07:00 AM	94	8	0	102	21	26	0	47	7	77	0	84	233
07:15 AM	140	13	0	153	28	23	0	51	7	61	0	68	272
07:30 AM	126	14	0	140	44	33	0	77	17	61	0	78	295
07:45 AM	93	19	0	112	26	31	0	57	11	58	0	69	238
Total	453	54	0	507	119	113	0	232	42	257	0	299	1038
08:00 AM	119	14	0	133	30	23	0	53	13	51	0	64	250
08:15 AM	95	15	0	110	24	34	0	58	6	53	0	59	227
08:30 AM	101	17	0	118	28	16	0	44	7	60	0	67	229
08:45 AM	101	12	0	113	23	17	0	40	8	60	0	68	221
Total	416	58	0	474	105	90	0	195	34	224	0	258	927
Grand Total	869	112	0	981	224	203	0	427	76	481	0	557	1965
Apprch %	88.6	11.4	0		52.5	47.5	0		13.6	86.4	0		
Total %	44.2	5.7	0	49.9	11.4	10.3	0	21.7	3.9	24.5	0	28.3	
Cars	839	104	0	943	212	196	0	408	66	437	0	503	1854
% Cars	96.5	92.9	0	96.1	94.6	96.6	0	95.6	86.8	90.9	0	90.3	94.4
Buses	12	4	0	16	4	4	0	8	6	14	0	20	44
% Buses	1.4	3.6	0	1.6	1.8	2	0	1.9	7.9	2.9	0	3.6	2.2
Trucks	18	4	0	22	8	3	0	11	4	30	0	34	67
% Trucks	2.1	3.6	0	2.2	3.6	1.5	0	2.6	5.3	6.2	0	6.1	3.4

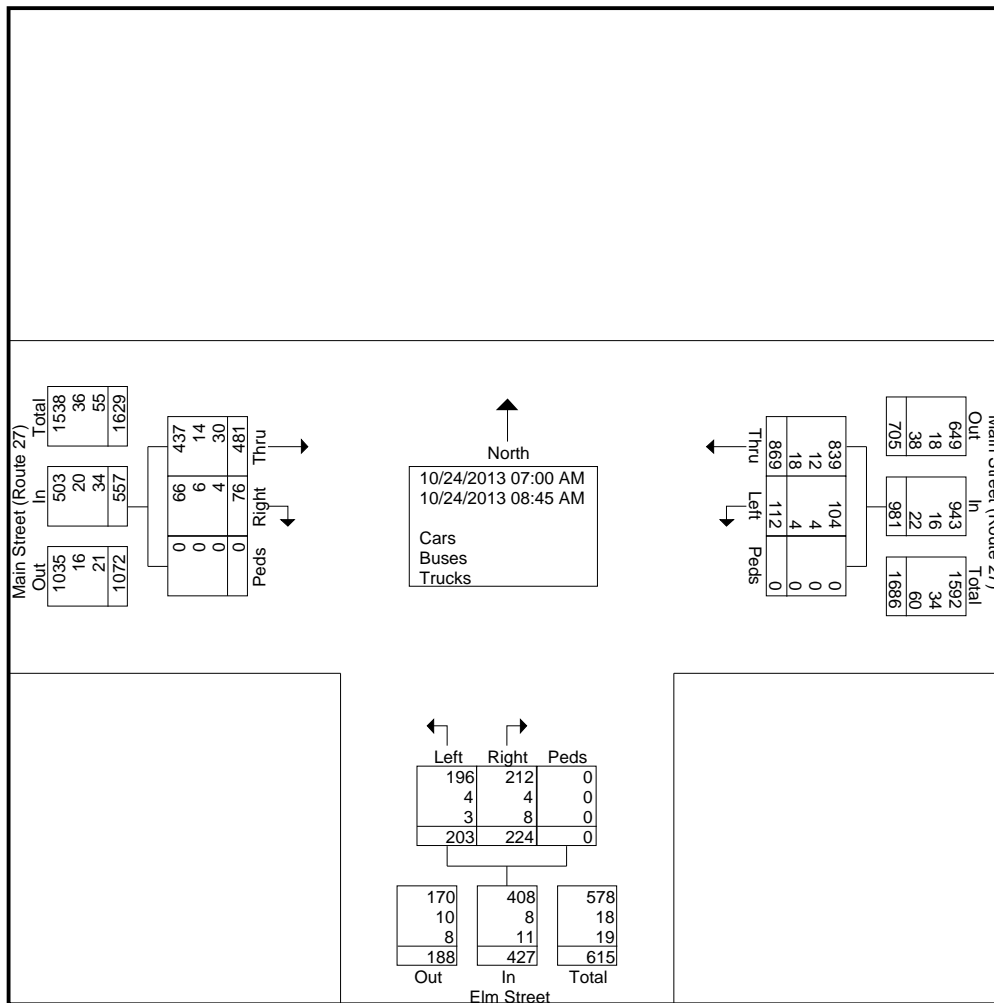


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 Start Date : 10/24/2013
 Page No : 2



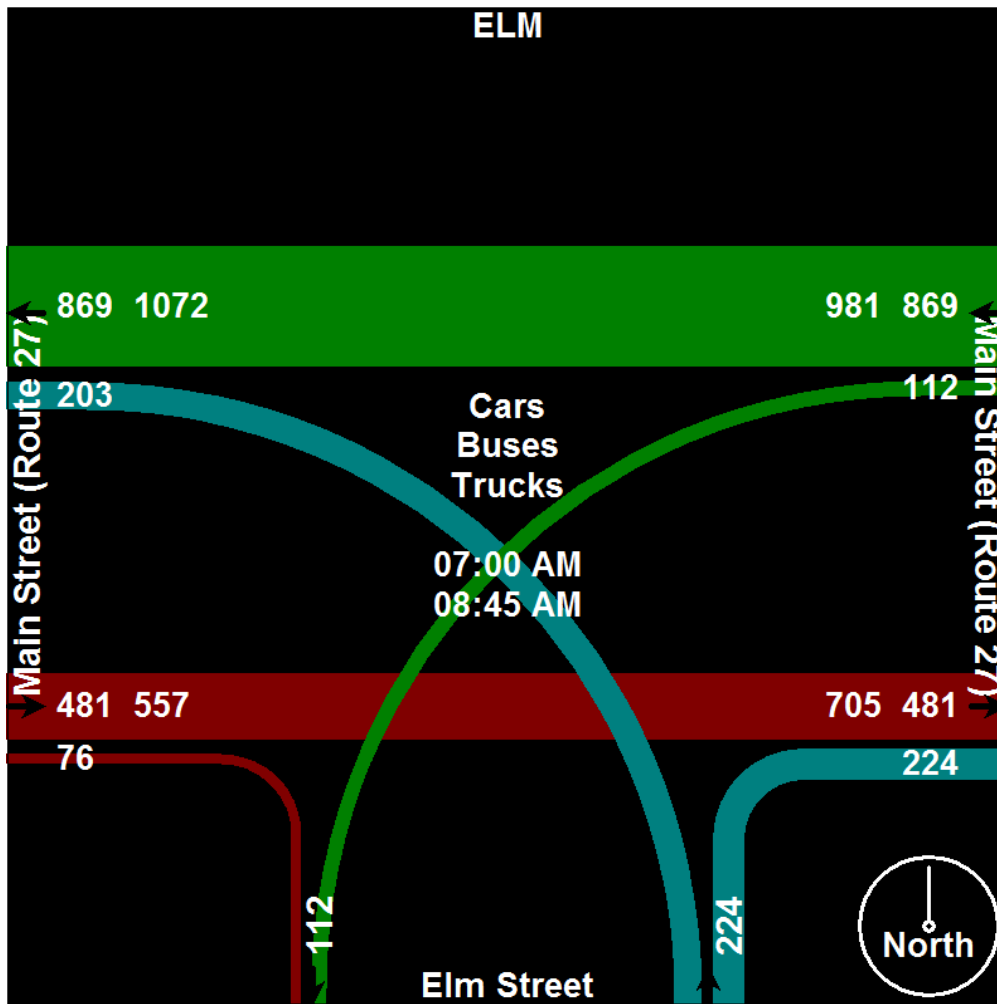


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 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Elm Street_AM
 Site Code : 123
 Start Date : 10/24/2013
 Page No : 4

Start Time	Main Street (Route 27) Westbound				Elm Street Northbound				Main Street (Route 27) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:15 AM													
07:15 AM	140	13	0	153	28	23	0	51	7	61	0	68	272
07:30 AM	126	14	0	140	44	33	0	77	17	61	0	78	295
07:45 AM	93	19	0	112	26	31	0	57	11	58	0	69	238
08:00 AM	119	14	0	133	30	23	0	53	13	51	0	64	250
Total Volume	478	60	0	538	128	110	0	238	48	231	0	279	1055
% App. Total	88.8	11.2	0		53.8	46.2	0		17.2	82.8	0		
PHF	.854	.789	.000	.879	.727	.833	.000	.773	.706	.947	.000	.894	.894
Cars	463	57	0	520	121	106	0	227	43	206	0	249	996
% Cars	96.9	95.0	0	96.7	94.5	96.4	0	95.4	89.6	89.2	0	89.2	94.4
Buses	4	1	0	5	1	2	0	3	2	10	0	12	20
% Buses	0.8	1.7	0	0.9	0.8	1.8	0	1.3	4.2	4.3	0	4.3	1.9
Trucks	11	2	0	13	6	2	0	8	3	15	0	18	39
% Trucks	2.3	3.3	0	2.4	4.7	1.8	0	3.4	6.3	6.5	0	6.5	3.7

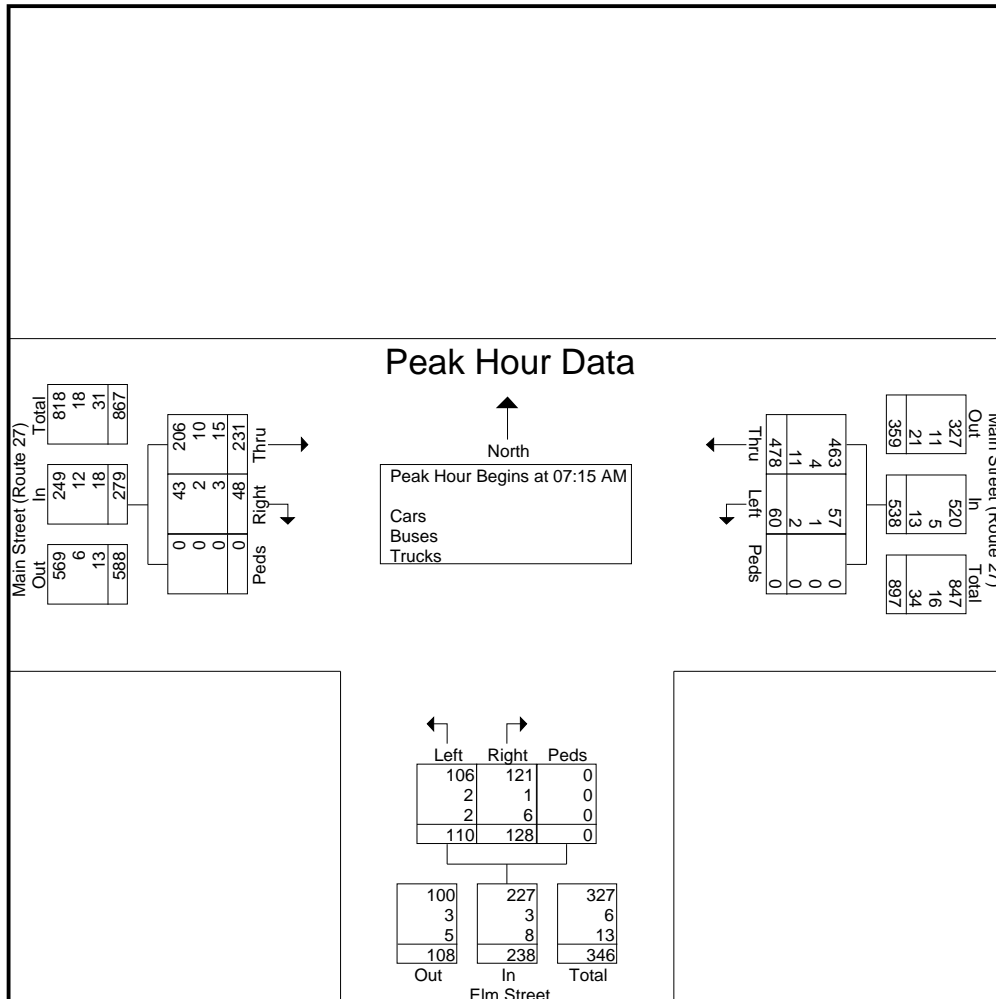


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 Site Code : 123
 Start Date : 10/24/2013
 Page No : 5



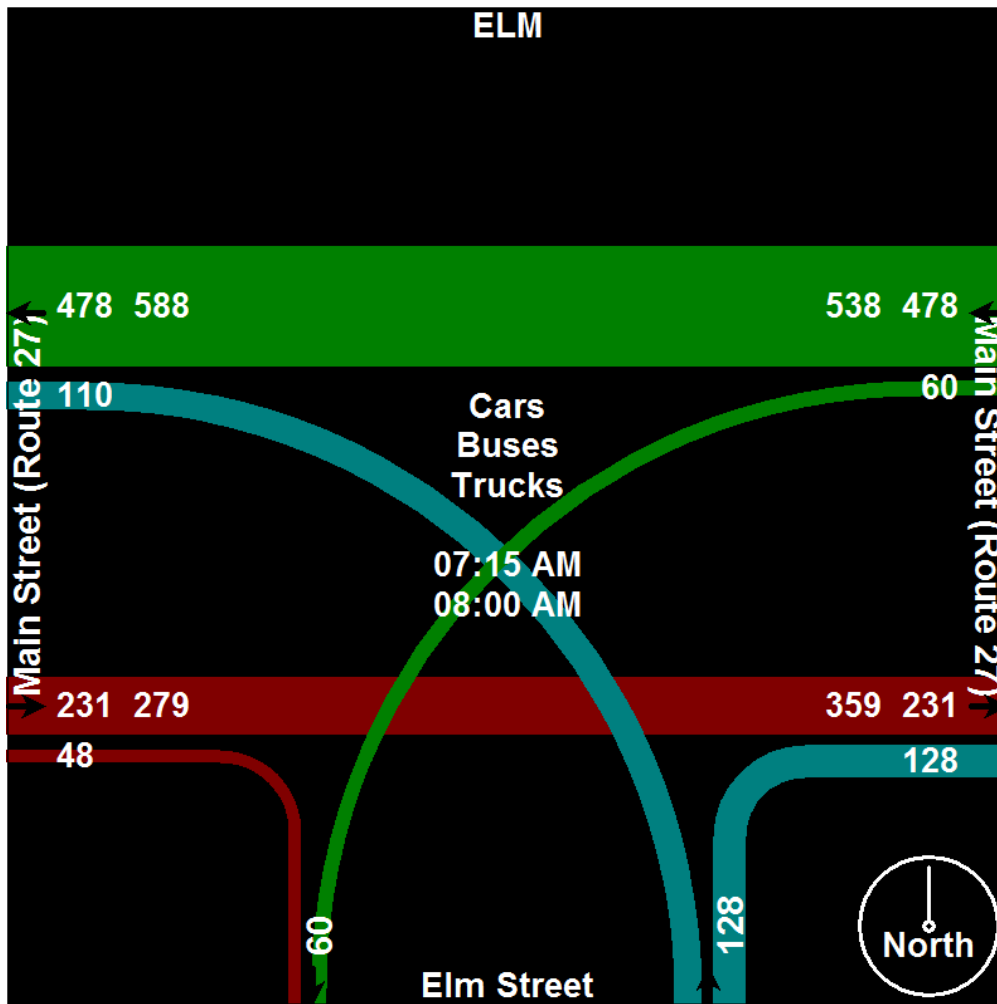


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Traffic Control: Stop Sign

File Name : Main Street (Route 27) & Elm Street_AM
Site Code : 123
Start Date : 10/24/2013
Page No : 7

Image 1



6.4 Automatic Traffic Recorder Vehicle Volumes Speeds, and Vehicle Classifications

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips St

Start Time	28-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	*	*	24	20	25	24	*	*	*	*	*	*	*	*	24	22
01:00	*	*	16	6	7	13	*	*	*	*	*	*	*	*	12	10
02:00	*	*	2	5	5	5	*	*	*	*	*	*	*	*	4	5
03:00	*	*	9	19	6	19	*	*	*	*	*	*	*	*	8	19
04:00	*	*	24	44	20	50	*	*	*	*	*	*	*	*	22	47
05:00	*	*	84	170	85	160	*	*	*	*	*	*	*	*	84	165
06:00	*	*	277	396	260	399	*	*	*	*	*	*	*	*	268	398
07:00	*	*	383	496	363	507	*	*	*	*	*	*	*	*	373	502
08:00	*	*	333	442	319	447	*	*	*	*	*	*	*	*	326	444
09:00	*	*	297	318	252	305	*	*	*	*	*	*	*	*	274	312
10:00	*	*	289	303	247	241	*	*	*	*	*	*	*	*	268	272
11:00	*	*	293	256	296	231	*	*	*	*	*	*	*	*	294	244
12:00 PM	*	*	317	290	298	287	*	*	*	*	*	*	*	*	308	288
01:00	*	*	386	319	306	296	*	*	*	*	*	*	*	*	346	308
02:00	*	*	386	348	395	331	*	*	*	*	*	*	*	*	390	340
03:00	*	*	471	404	440	378	*	*	*	*	*	*	*	*	456	391
04:00	*	*	545	414	539	408	*	*	*	*	*	*	*	*	542	411
05:00	*	*	513	456	558	489	*	*	*	*	*	*	*	*	536	472
06:00	*	*	376	314	386	329	*	*	*	*	*	*	*	*	381	322
07:00	*	*	261	206	254	192	*	*	*	*	*	*	*	*	258	199
08:00	*	*	199	141	183	183	*	*	*	*	*	*	*	*	191	162
09:00	*	*	130	104	99	110	*	*	*	*	*	*	*	*	114	107
10:00	*	*	74	76	95	63	*	*	*	*	*	*	*	*	84	70
11:00	*	*	50	55	55	61	*	*	*	*	*	*	*	*	52	58
Total Day	0	0	5739	5602	5493	5528	0	0	0	0	0	0	0	0	5615	5568
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	383	496	363	507	-	-	-	-	-	-	-	-	373	502
PM Peak	-	-	16:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	545	456	558	489	-	-	-	-	-	-	-	-	542	472

Comb. Total 0 11341 11021 0 0 0 0 11183

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips St

Start Time	29-Oct-13 Tue		EB		WB		Combined		30-Oct- Wed	EB		WB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	10	79	8	65	18	144			7	75	6	72	13	147	
12:15	4	76	7	87	11	163			10	89	9	59	19	148	
12:30	6	93	1	57	7	150			3	70	4	81	7	151	
12:45	4	69	4	81	8	150			5	64	5	75	10	139	
01:00	6	82	2	84	8	166			4	66	3	78	7	144	
01:15	2	87	2	77	4	164			1	66	1	63	2	129	
01:30	3	102	1	83	4	185			1	83	4	82	5	165	
01:45	5	115	1	75	6	190			1	91	5	73	6	164	
02:00	1	98	2	75	3	173			1	89	2	80	3	169	
02:15	0	90	2	90	2	180			1	95	1	86	2	181	
02:30	1	98	1	75	2	173			1	107	1	79	2	186	
02:45	0	100	0	108	0	208			2	104	1	86	3	190	
03:00	2	102	1	94	3	196			1	96	0	87	1	183	
03:15	1	118	2	88	3	206			0	104	3	89	3	193	
03:30	4	125	8	111	12	236			4	119	6	109	10	228	
03:45	2	126	8	111	10	237			1	121	10	93	11	214	
04:00	1	119	5	118	6	237			1	122	7	100	8	222	
04:15	8	138	12	101	20	239			7	123	10	107	17	230	
04:30	5	154	11	92	16	246			2	138	13	110	15	248	
04:45	10	134	16	103	26	237			10	156	20	91	30	247	
05:00	11	134	28	139	39	273			10	146	22	146	32	292	
05:15	21	135	33	94	54	229			15	144	35	124	50	268	
05:30	26	129	50	105	76	234			24	125	43	116	67	241	
05:45	26	115	59	118	85	233			36	143	60	103	96	246	
06:00	40	115	62	83	102	198			35	107	67	84	102	191	
06:15	76	91	86	85	162	176			73	112	88	103	161	215	
06:30	64	87	132	71	196	158			56	78	132	66	188	144	
06:45	97	83	116	75	213	158			96	89	112	76	208	165	
07:00	104	78	101	69	205	147			80	67	113	56	193	123	
07:15	107	68	133	61	240	129			103	59	136	47	239	106	
07:30	105	63	147	36	252	99			98	56	126	47	224	103	
07:45	67	52	115	40	182	92			82	72	132	42	214	114	
08:00	84	48	140	46	224	94			85	52	123	38	208	90	
08:15	81	50	98	46	179	96			77	47	116	55	193	102	
08:30	81	48	99	20	180	68			83	52	128	53	211	105	
08:45	87	53	105	29	192	82			74	32	80	37	154	69	
09:00	80	32	104	39	184	71			70	24	78	27	148	51	
09:15	84	32	85	22	169	54			54	26	69	36	123	62	
09:30	76	34	62	14	138	48			70	28	84	25	154	53	
09:45	57	32	67	29	124	61			58	21	74	22	132	43	
10:00	68	32	64	23	132	55			49	31	67	16	116	47	
10:15	62	23	89	21	151	44			74	26	63	17	137	43	
10:30	78	11	81	19	159	30			67	25	61	17	128	42	
10:45	81	8	69	13	150	21			57	13	50	13	107	26	
11:00	75	11	63	19	138	30			69	15	70	17	139	32	
11:15	72	9	63	19	135	28			73	11	42	15	115	26	
11:30	71	13	78	11	149	24			86	14	55	13	141	27	
11:45	75	17	52	6	127	23			68	15	64	16	132	31	
Total	2031	3708	2475	3127	4506	6835			1885	3608	2401	3127	4286	6735	
Day Total		5739		5602		11341			5493		5528		11021		
% Total	17.9%	32.7%	21.8%	27.6%					17.1%	32.7%	21.8%	28.4%			
Peak	-	06:45	04:15	07:15	05:00	06:45	04:15	-	06:45	04:30	07:15	05:00	07:15	04:30	
Vol.	-	413	560	535	456	910	995	-	377	584	517	489	885	1055	
P.H.F.		0.965	0.909	0.910	0.820	0.903	0.911		0.915	0.936	0.950	0.837	0.926	0.903	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips St

Start Time	28-Oct-13 Mon	29-Oct-13 Tue	30-Oct-13 Wed	31-Oct-13 Thu	01-Nov-13 Fri	02-Nov-13 Sat	03-Nov-13 Sun	Week Average
12:00 AM	*	44	49	*	*	*	*	46
01:00	*	22	20	*	*	*	*	21
02:00	*	7	10	*	*	*	*	8
03:00	*	28	25	*	*	*	*	26
04:00	*	68	70	*	*	*	*	69
05:00	*	254	245	*	*	*	*	250
06:00	*	673	659	*	*	*	*	666
07:00	*	879	870	*	*	*	*	874
08:00	*	775	766	*	*	*	*	770
09:00	*	615	557	*	*	*	*	586
10:00	*	592	488	*	*	*	*	540
11:00	*	549	527	*	*	*	*	538
12:00 PM	*	607	585	*	*	*	*	596
01:00	*	705	602	*	*	*	*	654
02:00	*	734	726	*	*	*	*	730
03:00	*	875	818	*	*	*	*	846
04:00	*	959	947	*	*	*	*	953
05:00	*	969	1047	*	*	*	*	1008
06:00	*	690	715	*	*	*	*	702
07:00	*	467	446	*	*	*	*	456
08:00	*	340	366	*	*	*	*	353
09:00	*	234	209	*	*	*	*	222
10:00	*	150	158	*	*	*	*	154
11:00	*	105	116	*	*	*	*	110
Total	0	11341	11021	0	0	0	0	11178
Percentage	0.0%	101.5%	98.6%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	879	870	-	-	-	-	874
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	969	1047	-	-	-	-	1008

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips St

EB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/29/1																
3	0	0	0	0	0	14	9	1	0	0	0	0	0	0	0	24
01:00	0	0	0	0	2	7	6	1	0	0	0	0	0	0	0	16
02:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	1	0	7	1	0	0	0	0	0	0	0	0	9
04:00	0	0	0	0	6	9	6	2	0	1	0	0	0	0	0	24
05:00	1	0	0	1	24	42	13	2	1	0	0	0	0	0	0	84
06:00	9	0	0	8	114	120	25	1	0	0	0	0	0	0	0	277
07:00	29	0	4	10	111	176	50	2	1	0	0	0	0	0	0	383
08:00	16	2	3	12	82	156	54	7	1	0	0	0	0	0	0	333
09:00	10	0	1	8	61	163	52	1	1	0	0	0	0	0	0	297
10:00	12	2	3	15	72	148	36	1	0	0	0	0	0	0	0	289
11:00	10	0	2	7	77	150	45	2	0	0	0	0	0	0	0	293
12 PM	12	1	8	17	75	146	53	5	0	0	0	0	0	0	0	317
13:00	16	0	3	23	117	178	47	2	0	0	0	0	0	0	0	386
14:00	19	1	1	18	96	179	68	4	0	0	0	0	0	0	0	386
15:00	21	1	4	28	120	244	52	1	0	0	0	0	0	0	0	471
16:00	29	1	1	19	168	261	63	3	0	0	0	0	0	0	0	545
17:00	23	0	0	19	185	242	42	2	0	0	0	0	0	0	0	513
18:00	13	0	2	24	178	135	24	0	0	0	0	0	0	0	0	376
19:00	7	0	1	13	92	124	23	1	0	0	0	0	0	0	0	261
20:00	4	0	2	9	65	95	22	2	0	0	0	0	0	0	0	199
21:00	2	0	0	4	29	71	21	3	0	0	0	0	0	0	0	130
22:00	0	0	0	3	14	38	15	3	1	0	0	0	0	0	0	74
23:00	0	0	0	1	8	27	13	1	0	0	0	0	0	0	0	50
Total	233	8	35	240	1696	2734	740	47	5	1	0	0	0	0	0	5739

Daily
 15th Percentile : 30 MPH
 50th Percentile : 35 MPH
 85th Percentile : 40 MPH
 95th Percentile : 43 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 3969
 Percent in Pace : 69.2%
 Number of Vehicles > 35 MPH : 3527
 Percent of Vehicles > 35 MPH : 61.5%

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips 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
10/30/13	0	0	0	0	4	14	6	1	0	0	0	0	0	0	25
01:00	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
02:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5
03:00	0	0	0	1	0	3	2	0	0	0	0	0	0	0	6
04:00	0	0	0	1	2	5	9	3	0	0	0	0	0	0	20
05:00	1	0	0	0	28	39	14	3	0	0	0	0	0	0	85
06:00	12	0	0	25	100	109	11	3	0	0	0	0	0	0	260
07:00	17	0	1	15	108	184	35	3	0	0	0	0	0	0	363
08:00	16	0	5	7	92	148	48	3	0	0	0	0	0	0	319
09:00	6	0	4	13	74	116	36	3	0	0	0	0	0	0	252
10:00	9	1	4	10	60	115	46	2	0	0	0	0	0	0	247
11:00	9	0	2	13	98	138	33	3	0	0	0	0	0	0	296
12 PM	8	0	6	15	72	143	50	4	0	0	0	0	0	0	298
13:00	13	1	4	14	68	151	53	2	0	0	0	0	0	0	306
14:00	22	0	3	19	120	193	36	2	0	0	0	0	0	0	395
15:00	15	0	0	15	105	213	85	7	0	0	0	0	0	0	440
16:00	24	0	0	3	40	285	171	13	3	0	0	0	0	0	539
17:00	37	0	4	20	77	281	129	10	0	0	0	0	0	0	558
18:00	11	0	7	10	89	196	68	4	1	0	0	0	0	0	386
19:00	6	0	0	1	54	115	67	9	2	0	0	0	0	0	254
20:00	3	0	0	2	26	101	45	6	0	0	0	0	0	0	183
21:00	0	0	0	0	12	46	37	3	1	0	0	0	0	0	99
22:00	1	0	0	0	10	35	41	7	1	0	0	0	0	0	95
23:00	0	0	0	0	4	19	25	5	1	0	1	0	0	0	55
Total	210	2	40	184	1245	2657	1048	97	9	0	1	0	0	0	5493

Daily
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 3709
 Percent in Pace : 67.5%
 Number of Vehicles > 35 MPH : 3812
 Percent of Vehicles > 35 MPH : 69.4%

Grand Total	443	10	75	424	2941	5391	1788	144	14	1	1	0	0	0	11232
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Overall
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 7627
 Percent in Pace : 67.9%
 Number of Vehicles > 35 MPH : 7339
 Percent of Vehicles > 35 MPH : 65.3%

Old Colony Planning Council
70 School Street
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
10/29/1															
3	0	0	0	1	3	11	4	1	0	0	0	0	0	0	20
01:00	0	0	0	0	0	4	0	2	0	0	0	0	0	0	6
02:00	0	0	0	0	0	3	1	1	0	0	0	0	0	0	5
03:00	0	0	0	1	3	7	4	3	0	1	0	0	0	0	19
04:00	0	0	0	0	8	17	15	4	0	0	0	0	0	0	44
05:00	1	0	0	3	24	91	39	7	5	0	0	0	0	0	170
06:00	15	0	1	16	116	182	61	3	2	0	0	0	0	0	396
07:00	21	0	5	18	112	252	85	3	0	0	0	0	0	0	496
08:00	13	6	5	38	114	195	57	11	3	0	0	0	0	0	442
09:00	10	1	1	14	90	134	62	5	1	0	0	0	0	0	318
10:00	18	1	1	12	77	147	44	3	0	0	0	0	0	0	303
11:00	8	0	0	16	70	117	41	4	0	0	0	0	0	0	256
12 PM	11	0	3	27	58	121	63	7	0	0	0	0	0	0	290
13:00	11	2	15	19	80	140	48	4	0	0	0	0	0	0	319
14:00	19	0	7	19	98	132	68	5	0	0	0	0	0	0	348
15:00	19	0	12	29	100	164	70	10	0	0	0	0	0	0	404
16:00	21	0	5	30	115	171	64	7	1	0	0	0	0	0	414
17:00	31	5	21	53	145	153	45	1	1	0	0	0	0	1	456
18:00	12	0	1	26	103	129	41	2	0	0	0	0	0	0	314
19:00	4	2	1	12	62	93	29	3	0	0	0	0	0	0	206
20:00	1	0	1	15	46	55	17	5	1	0	0	0	0	0	141
21:00	4	0	0	5	15	55	25	0	0	0	0	0	0	0	104
22:00	0	0	0	4	21	30	17	3	1	0	0	0	0	0	76
23:00	0	0	0	0	7	27	16	4	1	0	0	0	0	0	55
Total	219	17	79	358	1467	2430	916	98	16	1	0	0	0	1	5602

Daily

15th Percentile :	29 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	35 MPH
10 MPH Pace Speed :	32-41 MPH
Number in Pace :	3565
Percent in Pace :	63.6%
Number of Vehicles > 35 MPH :	3462
Percent of Vehicles > 35 MPH :	61.8%

Old Colony Planning Council
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips 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	
10/30/1															
3	0	0	0	2	4	11	4	3	0	0	0	0	0	0	24
01:00	0	0	0	0	3	6	2	2	0	0	0	0	0	0	13
02:00	0	0	0	0	2	1	1	1	0	0	0	0	0	0	5
03:00	2	0	0	0	2	6	4	1	3	0	0	0	1	0	19
04:00	0	0	0	0	7	21	14	6	2	0	0	0	0	0	50
05:00	1	0	0	2	35	79	32	9	2	0	0	0	0	0	160
06:00	9	1	2	28	125	167	54	11	2	0	0	0	0	0	399
07:00	21	0	0	30	144	213	92	7	0	0	0	0	0	0	507
08:00	12	2	5	19	118	220	64	7	0	0	0	0	0	0	447
09:00	9	0	9	18	82	124	53	10	0	0	0	0	0	0	305
10:00	9	1	0	14	76	89	48	3	0	0	0	0	0	1	241
11:00	8	0	2	11	63	107	39	1	0	0	0	0	0	0	231
12 PM	9	0	3	6	49	134	73	12	1	0	0	0	0	0	287
13:00	9	1	0	15	64	125	71	11	0	0	0	0	0	0	296
14:00	16	0	1	11	82	130	80	11	0	0	0	0	0	0	331
15:00	10	0	1	14	84	152	90	26	1	0	0	0	0	0	378
16:00	27	0	0	8	53	150	136	26	8	0	0	0	0	0	408
17:00	31	7	32	44	89	148	120	17	1	0	0	0	0	0	489
18:00	12	0	8	17	57	142	83	8	1	0	1	0	0	0	329
19:00	3	0	1	2	31	71	64	18	2	0	0	0	0	0	192
20:00	1	0	0	6	22	89	50	12	3	0	0	0	0	0	183
21:00	2	0	0	0	7	58	30	12	1	0	0	0	0	0	110
22:00	0	0	0	0	5	25	17	13	3	0	0	0	0	0	63
23:00	0	0	0	0	11	24	20	2	4	0	0	0	0	0	61
Total	191	12	64	247	1215	2292	1241	229	34	0	1	0	1	1	5528

Daily

- 15th Percentile : 30 MPH
- 50th Percentile : 37 MPH
- 85th Percentile : 42 MPH
- 95th Percentile : 45 MPH

Mean Speed(Average) : 36 MPH

10 MPH Pace Speed : 34-43 MPH

- Number in Pace : 3424
- Percent in Pace : 62.0%
- Number of Vehicles > 35 MPH : 3799
- Percent of Vehicles > 35 MPH : 68.7%

Grand Total	410	29	143	605	2682	4722	2157	327	50	1	1	0	1	2	11130
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Overall

- 15th Percentile : 29 MPH
- 50th Percentile : 36 MPH
- 85th Percentile : 41 MPH
- 95th Percentile : 45 MPH

Mean Speed(Average) : 35 MPH

10 MPH Pace Speed : 33-42 MPH

- Number in Pace : 6979
- Percent in Pace : 62.7%
- Number of Vehicles > 35 MPH : 7261
- Percent of Vehicles > 35 MPH : 65.2%

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips 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
10/29/1															
3	0	0	0	1	3	25	13	2	0	0	0	0	0	0	44
01:00	0	0	0	0	2	11	6	3	0	0	0	0	0	0	22
02:00	0	0	0	0	0	5	1	1	0	0	0	0	0	0	7
03:00	0	0	0	2	3	14	5	3	0	1	0	0	0	0	28
04:00	0	0	0	0	14	26	21	6	0	1	0	0	0	0	68
05:00	2	0	0	4	48	133	52	9	6	0	0	0	0	0	254
06:00	24	0	1	24	230	302	86	4	2	0	0	0	0	0	673
07:00	50	0	9	28	223	428	135	5	1	0	0	0	0	0	879
08:00	29	8	8	50	196	351	111	18	4	0	0	0	0	0	775
09:00	20	1	2	22	151	297	114	6	2	0	0	0	0	0	615
10:00	30	3	4	27	149	295	80	4	0	0	0	0	0	0	592
11:00	18	0	2	23	147	267	86	6	0	0	0	0	0	0	549
12 PM	23	1	11	44	133	267	116	12	0	0	0	0	0	0	607
13:00	27	2	18	42	197	318	95	6	0	0	0	0	0	0	705
14:00	38	1	8	37	194	311	136	9	0	0	0	0	0	0	734
15:00	40	1	16	57	220	408	122	11	0	0	0	0	0	0	875
16:00	50	1	6	49	283	432	127	10	1	0	0	0	0	0	959
17:00	54	5	21	72	330	395	87	3	1	0	0	0	0	1	969
18:00	25	0	3	50	281	264	65	2	0	0	0	0	0	0	690
19:00	11	2	2	25	154	217	52	4	0	0	0	0	0	0	467
20:00	5	0	3	24	111	150	39	7	1	0	0	0	0	0	340
21:00	6	0	0	9	44	126	46	3	0	0	0	0	0	0	234
22:00	0	0	0	7	35	68	32	6	2	0	0	0	0	0	150
23:00	0	0	0	1	15	54	29	5	1	0	0	0	0	0	105
Total	452	25	114	598	3163	5164	1656	145	21	2	0	0	0	1	11341

Daily

- 15th Percentile : 29 MPH
- 50th Percentile : 36 MPH
- 85th Percentile : 40 MPH
- 95th Percentile : 43 MPH

Mean Speed(Average) : 35 MPH

- 10 MPH Pace Speed : 32-41 MPH
- Number in Pace : 7534
- Percent in Pace : 66.4%
- Number of Vehicles > 35 MPH : 6989
- Percent of Vehicles > 35 MPH : 61.6%

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70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 22926
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Main St (27), west of Phillips 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
10/30/1															
3	0	0	0	2	8	25	10	4	0	0	0	0	0	0	49
01:00	0	0	0	0	3	13	2	2	0	0	0	0	0	0	20
02:00	0	0	0	0	4	2	2	2	0	0	0	0	0	0	10
03:00	2	0	0	1	2	9	6	1	3	0	0	0	1	0	25
04:00	0	0	0	1	9	26	23	9	2	0	0	0	0	0	70
05:00	2	0	0	2	63	118	46	12	2	0	0	0	0	0	245
06:00	21	1	2	53	225	276	65	14	2	0	0	0	0	0	659
07:00	38	0	1	45	252	397	127	10	0	0	0	0	0	0	870
08:00	28	2	10	26	210	368	112	10	0	0	0	0	0	0	766
09:00	15	0	13	31	156	240	89	13	0	0	0	0	0	0	557
10:00	18	2	4	24	136	204	94	5	0	0	0	0	0	1	488
11:00	17	0	4	24	161	245	72	4	0	0	0	0	0	0	527
12 PM	17	0	9	21	121	277	123	16	1	0	0	0	0	0	585
13:00	22	2	4	29	132	276	124	13	0	0	0	0	0	0	602
14:00	38	0	4	30	202	323	116	13	0	0	0	0	0	0	726
15:00	25	0	1	29	189	365	175	33	1	0	0	0	0	0	818
16:00	51	0	0	11	93	435	307	39	11	0	0	0	0	0	947
17:00	68	7	36	64	166	429	249	27	1	0	0	0	0	0	1047
18:00	23	0	15	27	146	338	151	12	2	0	1	0	0	0	715
19:00	9	0	1	3	85	186	131	27	4	0	0	0	0	0	446
20:00	4	0	0	8	48	190	95	18	3	0	0	0	0	0	366
21:00	2	0	0	0	19	104	67	15	2	0	0	0	0	0	209
22:00	1	0	0	0	15	60	58	20	4	0	0	0	0	0	158
23:00	0	0	0	0	15	43	45	7	5	0	1	0	0	0	116
Total	401	14	104	431	2460	4949	2289	326	43	0	2	0	1	1	11021

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 : 7129
 Percent in Pace : 64.7%
 Number of Vehicles > 35 MPH : 7611
 Percent of Vehicles > 35 MPH : 69.1%

Grand Total	853	39	218	1029	5623	10113	3945	471	64	2	2	0	1	2	22362
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Overall

15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 33-42 MPH
 Number in Pace : 14607
 Percent in Pace : 65.3%
 Number of Vehicles > 35 MPH : 14600
 Percent of Vehicles > 35 MPH : 65.3%

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 Layout: L6 Basic (2')

Station ID:
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 Date End: 30-Oct-13
 Main St (27), west of Phillips 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
10/29/1															
3	0	18	6	0	0	0	0	0	0	0	0	0	0	24	0
01:00	0	10	5	0	1	0	0	0	0	0	0	0	0	16	1
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	8	0	0	1	0	0	0	0	0	0	0	0	9	1
04:00	0	20	3	1	0	0	0	0	0	0	0	0	0	24	1
05:00	0	53	26	1	2	0	0	0	2	0	0	0	0	84	5
06:00	1	184	74	8	9	0	0	0	1	0	0	0	0	277	18
07:00	1	248	94	3	27	4	0	3	2	0	0	0	0	382	39
08:00	0	212	91	7	14	7	0	0	2	0	0	0	0	333	30
09:00	2	202	78	2	11	1	0	0	0	1	0	0	0	297	15
10:00	1	181	88	2	9	3	0	2	2	0	0	0	0	288	18
11:00	2	189	77	4	13	7	0	0	1	0	0	0	0	293	25
12 PM	1	206	79	8	14	4	0	1	2	0	0	0	0	315	29
13:00	3	257	98	3	19	2	0	0	3	0	0	0	0	385	27
14:00	3	263	102	1	8	3	0	3	0	0	0	0	0	383	15
15:00	2	308	126	2	23	3	0	3	4	0	0	0	0	471	35
16:00	2	359	162	0	18	1	0	3	0	0	0	0	0	545	22
17:00	1	374	118	0	16	2	0	1	0	0	0	0	0	512	19
18:00	1	268	94	0	11	0	0	1	0	0	0	0	0	375	12
19:00	0	194	59	1	7	0	0	0	0	0	0	0	0	261	8
20:00	0	158	40	0	1	0	0	0	0	0	0	0	0	199	1
21:00	0	102	27	0	1	0	0	0	0	0	0	0	0	130	1
22:00	0	61	10	0	3	0	0	0	0	0	0	0	0	74	3
23:00	0	43	6	0	1	0	0	0	0	0	0	0	0	50	1
Total	20	3919	1464	43	209	37	0	17	19	1	0	0	0	5729	326
Percent	0.3%	68.4%	25.6%	0.8%	3.6%	0.6%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		5.7%
AM Peak	09:00	07:00	07:00	06:00	07:00	08:00		07:00	05:00	09:00				07:00	07:00
Vol.	2	248	94	8	27	7		3	2	1				382	39
PM Peak	13:00	17:00	16:00	12:00	15:00	12:00		14:00	15:00					16:00	15:00
Vol.	3	374	162	8	23	4		3	4					545	35

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EB

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10/30/1															
3	0	19	6	0	0	0	0	0	0	0	0	0	0	25	0
01:00	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
02:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	5	0	0	1	0	0	0	0	0	0	0	0	6	1
04:00	0	14	5	1	0	0	0	0	0	0	0	0	0	20	1
05:00	0	57	24	1	2	0	0	0	1	0	0	0	0	85	4
06:00	0	179	63	5	11	1	0	0	1	0	0	0	0	260	18
07:00	1	250	82	2	24	4	0	0	0	0	0	0	0	363	30
08:00	3	214	72	4	18	3	0	2	3	0	0	0	0	319	30
09:00	0	167	66	1	13	2	0	1	2	0	0	0	0	252	19
10:00	0	153	71	3	13	3	0	2	1	0	0	0	0	246	22
11:00	1	201	74	3	11	2	0	0	4	0	0	0	0	296	20
12 PM	1	193	75	3	17	3	0	4	2	0	0	0	0	298	29
13:00	1	199	84	3	12	2	0	1	3	0	0	0	0	305	21
14:00	1	266	104	2	14	2	0	4	1	0	0	0	0	394	23
15:00	0	257	131	1	47	1	0	1	1	0	0	0	0	439	51
16:00	1	298	171	0	61	5	0	3	0	0	0	0	0	539	69
17:00	0	308	175	0	74	0	0	0	1	0	0	0	0	558	75
18:00	3	229	109	0	43	1	0	0	1	0	0	0	0	386	45
19:00	1	143	80	0	29	0	0	1	0	0	0	0	0	254	30
20:00	0	122	43	0	18	0	0	0	0	0	0	0	0	183	18
21:00	0	71	23	0	5	0	0	0	0	0	0	0	0	99	5
22:00	0	67	20	0	7	0	0	1	0	0	0	0	0	95	8
23:00	0	35	15	0	5	0	0	0	0	0	0	0	0	55	5
Total	13	3456	1496	29	425	29	0	20	21	0	0	0	0	5489	524
Percent	0.2%	63.0%	27.3%	0.5%	7.7%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		9.5%
AM Peak Vol.	3	250	82	5	24	4		2	4					363	30
PM Peak Vol.	3	308	175	3	74	5		4	3					558	75
Grand Total	33	7375	2960	72	634	66	0	37	40	1	0	0	0	11218	850
Percent	0.3%	65.7%	26.4%	0.6%	5.7%	0.6%	0.0%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%		7.6%

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10/29/1															
3	0	15	3	0	2	0	0	0	0	0	0	0	0	20	2
01:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	16	2	0	1	0	0	0	0	0	0	0	0	19	1
04:00	0	25	13	0	6	0	0	0	0	0	0	0	0	44	6
05:00	0	95	49	1	25	0	0	0	0	0	0	0	0	170	26
06:00	0	256	108	2	25	4	0	0	0	1	0	0	0	396	32
07:00	0	355	99	3	28	7	0	2	0	1	0	0	0	495	41
08:00	0	281	116	5	29	4	0	6	1	0	0	0	0	442	45
09:00	2	200	90	5	16	1	0	1	3	0	0	0	0	318	26
10:00	0	197	84	4	12	3	0	1	1	0	0	0	0	302	21
11:00	2	161	58	3	21	6	1	1	3	0	0	0	0	256	35
12 PM	0	183	75	2	23	4	0	1	0	2	0	0	0	290	32
13:00	1	191	89	4	27	2	0	3	1	1	0	0	0	319	38
14:00	0	208	102	4	24	6	0	2	2	0	0	0	0	348	38
15:00	2	251	107	3	29	4	0	5	0	0	0	0	0	401	41
16:00	3	263	110	0	32	3	0	3	0	0	0	0	0	414	38
17:00	0	307	110	2	32	4	0	1	0	0	0	0	0	456	39
18:00	0	229	64	1	18	0	0	1	0	0	0	0	0	313	20
19:00	0	143	46	1	15	1	0	0	0	0	0	0	0	206	17
20:00	0	107	29	0	4	1	0	0	0	0	0	0	0	141	5
21:00	1	85	17	0	1	0	0	0	0	0	0	0	0	104	1
22:00	0	67	7	0	2	0	0	0	0	0	0	0	0	76	2
23:00	0	41	12	0	2	0	0	0	0	0	0	0	0	55	2
Total	11	3684	1393	40	374	50	1	27	11	5	0	0	0	5596	508
Percent	0.2%	65.8%	24.9%	0.7%	6.7%	0.9%	0.0%	0.5%	0.2%	0.1%	0.0%	0.0%	0.0%		9.1%
AM Peak	09:00	07:00	08:00	08:00	08:00	07:00	11:00	08:00	09:00	06:00				07:00	08:00
Vol.	2	355	116	5	29	7	1	6	3	1				495	45
PM Peak	16:00	17:00	16:00	13:00	16:00	14:00		15:00	14:00	12:00				17:00	15:00
Vol.	3	307	110	4	32	6		5	2	2				456	41

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10/30/1															
3	0	18	5	0	1	0	0	0	0	0	0	0	0	24	1
01:00	0	9	3	0	1	0	0	0	0	0	0	0	0	13	1
02:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
03:00	1	13	5	0	0	0	0	0	0	0	0	0	0	19	0
04:00	1	32	12	0	4	0	0	0	1	0	0	0	0	50	5
05:00	1	95	45	1	17	1	0	0	0	0	0	0	0	160	19
06:00	1	254	109	2	29	3	0	0	0	0	0	0	0	398	34
07:00	2	363	115	1	23	0	0	1	1	1	0	0	0	507	27
08:00	1	291	106	4	34	3	0	3	5	0	0	0	0	447	49
09:00	1	196	73	2	27	2	0	3	1	0	0	0	0	305	35
10:00	1	162	53	1	17	0	0	2	4	0	0	0	0	240	24
11:00	0	140	64	1	20	3	0	1	1	1	0	0	0	231	27
12 PM	1	164	68	5	41	1	0	2	3	1	0	0	0	286	53
13:00	0	166	82	6	37	2	0	0	2	0	0	0	0	295	47
14:00	1	200	86	3	34	1	0	3	1	0	0	0	0	329	42
15:00	1	190	121	5	51	6	0	2	2	0	0	0	0	378	66
16:00	0	182	160	1	55	4	0	5	0	0	0	0	0	407	65
17:00	0	247	174	2	59	5	0	1	1	0	0	0	0	489	68
18:00	1	186	105	1	34	1	0	1	0	0	0	0	0	329	37
19:00	1	106	66	0	18	0	0	1	0	0	0	0	0	192	19
20:00	1	98	69	0	14	0	0	1	0	0	0	0	0	183	15
21:00	0	59	37	0	14	0	0	0	0	0	0	0	0	110	14
22:00	1	34	23	0	5	0	0	0	0	0	0	0	0	63	5
23:00	0	33	26	0	2	0	0	0	0	0	0	0	0	61	2
Total	16	3243	1607	35	537	32	0	26	22	3	0	0	0	5521	655
Percent	0.3%	58.7%	29.1%	0.6%	9.7%	0.6%	0.0%	0.5%	0.4%	0.1%	0.0%	0.0%	0.0%		11.9%
AM Peak	07:00	07:00	07:00	08:00	08:00	06:00		08:00	08:00	07:00				07:00	08:00
Vol.	2	363	115	4	34	3		3	5	1				507	49
PM Peak	12:00	17:00	17:00	13:00	17:00	15:00		16:00	12:00	12:00				17:00	17:00
Vol.	1	247	174	6	59	6		5	3	1				489	68
Grand Total	27	6927	3000	75	911	82	1	53	33	8	0	0	0	11117	1163
Percent	0.2%	62.3%	27.0%	0.7%	8.2%	0.7%	0.0%	0.5%	0.3%	0.1%	0.0%	0.0%	0.0%		10.5%

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10/29/1															
3	0	33	9	0	2	0	0	0	0	0	0	0	0	44	2
01:00	0	15	6	0	1	0	0	0	0	0	0	0	0	22	1
02:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7	0
03:00	0	24	2	0	2	0	0	0	0	0	0	0	0	28	2
04:00	0	45	16	1	6	0	0	0	0	0	0	0	0	68	7
05:00	0	148	75	2	27	0	0	0	2	0	0	0	0	254	31
06:00	1	440	182	10	34	4	0	0	1	1	0	0	0	673	50
07:00	1	603	193	6	55	11	0	5	2	1	0	0	0	877	80
08:00	0	493	207	12	43	11	0	6	3	0	0	0	0	775	75
09:00	4	402	168	7	27	2	0	1	3	1	0	0	0	615	41
10:00	1	378	172	6	21	6	0	3	3	0	0	0	0	590	39
11:00	4	350	135	7	34	13	1	1	4	0	0	0	0	549	60
12 PM	1	389	154	10	37	8	0	2	2	2	0	0	0	605	61
13:00	4	448	187	7	46	4	0	3	4	1	0	0	0	704	65
14:00	3	471	204	5	32	9	0	5	2	0	0	0	0	731	53
15:00	4	559	233	5	52	7	0	8	4	0	0	0	0	872	76
16:00	5	622	272	0	50	4	0	6	0	0	0	0	0	959	60
17:00	1	681	228	2	48	6	0	2	0	0	0	0	0	968	58
18:00	1	497	158	1	29	0	0	2	0	0	0	0	0	688	32
19:00	0	337	105	2	22	1	0	0	0	0	0	0	0	467	25
20:00	0	265	69	0	5	1	0	0	0	0	0	0	0	340	6
21:00	1	187	44	0	2	0	0	0	0	0	0	0	0	234	2
22:00	0	128	17	0	5	0	0	0	0	0	0	0	0	150	5
23:00	0	84	18	0	3	0	0	0	0	0	0	0	0	105	3
Total	31	7603	2857	83	583	87	1	44	30	6	0	0	0	11325	834
Percent	0.3%	67.1%	25.2%	0.7%	5.1%	0.8%	0.0%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%		7.4%
AM Peak	09:00	07:00	08:00	08:00	07:00	11:00	11:00	08:00	11:00	06:00				07:00	07:00
Vol.	4	603	207	12	55	13	1	6	4	1				877	80
PM Peak	16:00	17:00	16:00	12:00	15:00	14:00		15:00	13:00	12:00				17:00	15:00
Vol.	5	681	272	10	52	9		8	4	2				968	76

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 Main St (27), west of Phillips 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
10/30/1															
3	0	37	11	0	1	0	0	0	0	0	0	0	0	49	1
01:00	0	14	5	0	1	0	0	0	0	0	0	0	0	20	1
02:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
03:00	1	18	5	0	1	0	0	0	0	0	0	0	0	25	1
04:00	1	46	17	1	4	0	0	0	1	0	0	0	0	70	6
05:00	1	152	69	2	19	1	0	0	1	0	0	0	0	245	23
06:00	1	433	172	7	40	4	0	0	1	0	0	0	0	658	52
07:00	3	613	197	3	47	4	0	1	1	1	0	0	0	870	57
08:00	4	505	178	8	52	6	0	5	8	0	0	0	0	766	79
09:00	1	363	139	3	40	4	0	4	3	0	0	0	0	557	54
10:00	1	315	124	4	30	3	0	4	5	0	0	0	0	486	46
11:00	1	341	138	4	31	5	0	1	5	1	0	0	0	527	47
12 PM	2	357	143	8	58	4	0	6	5	1	0	0	0	584	82
13:00	1	365	166	9	49	4	0	1	5	0	0	0	0	600	68
14:00	2	466	190	5	48	3	0	7	2	0	0	0	0	723	65
15:00	1	447	252	6	98	7	0	3	3	0	0	0	0	817	117
16:00	1	480	331	1	116	9	0	8	0	0	0	0	0	946	134
17:00	0	555	349	2	133	5	0	1	2	0	0	0	0	1047	143
18:00	4	415	214	1	77	2	0	1	1	0	0	0	0	715	82
19:00	2	249	146	0	47	0	0	2	0	0	0	0	0	446	49
20:00	1	220	112	0	32	0	0	1	0	0	0	0	0	366	33
21:00	0	130	60	0	19	0	0	0	0	0	0	0	0	209	19
22:00	1	101	43	0	12	0	0	1	0	0	0	0	0	158	13
23:00	0	68	41	0	7	0	0	0	0	0	0	0	0	116	7
Total	29	6699	3103	64	962	61	0	46	43	3	0	0	0	11010	1179
Percent	0.3%	60.8%	28.2%	0.6%	8.7%	0.6%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		10.7%
AM Peak	08:00	07:00	07:00	08:00	08:00	08:00		08:00	08:00	07:00				07:00	08:00
Vol.	4	613	197	8	52	6		5	8	1				870	79
PM Peak	18:00	17:00	17:00	13:00	17:00	16:00		16:00	12:00	12:00				17:00	17:00
Vol.	4	555	349	9	133	9		8	5	1				1047	143
Grand Total	60	14302	5960	147	1545	148	1	90	73	9	0	0	0	22335	2013
Percent	0.3%	64.0%	26.7%	0.7%	6.9%	0.7%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		9.0%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

Start Time	18-Nov-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	*	*	*	*	32	18	33	18	*	*	*	*	*	*	32	18
01:00	*	*	*	*	4	11	15	14	*	*	*	*	*	*	10	12
02:00	*	*	*	*	4	2	5	5	*	*	*	*	*	*	4	4
03:00	*	*	*	*	8	16	8	19	*	*	*	*	*	*	8	18
04:00	*	*	*	*	20	69	22	68	*	*	*	*	*	*	21	68
05:00	*	*	*	*	62	191	70	206	*	*	*	*	*	*	66	198
06:00	*	*	*	*	236	488	213	483	*	*	*	*	*	*	224	486
07:00	*	*	*	*	272	573	293	573	*	*	*	*	*	*	282	573
08:00	*	*	*	*	251	445	290	462	*	*	*	*	*	*	270	454
09:00	*	*	*	*	249	329	261	337	*	*	*	*	*	*	255	333
10:00	*	*	*	*	255	275	282	303	*	*	*	*	*	*	268	289
11:00	*	*	*	*	259	229	301	306	*	*	*	*	*	*	280	268
12:00 PM	*	*	*	*	289	246	292	287	*	*	*	*	*	*	290	266
01:00	*	*	*	*	321	263	336	295	*	*	*	*	*	*	328	279
02:00	*	*	*	*	380	301	411	308	*	*	*	*	*	*	396	304
03:00	*	*	*	*	437	349	494	384	*	*	*	*	*	*	466	366
04:00	*	*	*	*	553	359	553	337	*	*	*	*	*	*	553	348
05:00	*	*	*	*	554	385	514	334	*	*	*	*	*	*	534	360
06:00	*	*	*	*	394	304	392	260	*	*	*	*	*	*	393	282
07:00	*	*	*	*	274	183	258	187	*	*	*	*	*	*	266	185
08:00	*	*	*	*	238	134	191	116	*	*	*	*	*	*	214	125
09:00	*	*	*	*	130	105	160	100	*	*	*	*	*	*	145	102
10:00	*	*	*	*	104	65	90	75	*	*	*	*	*	*	97	70
11:00	*	*	*	*	56	56	68	60	*	*	*	*	*	*	62	58
Total Day	0	0	0	0	5382	5396	5552	5537	0	0	0	0	0	0	5464	5466
AM Peak	-	-	-	-	07:00	07:00	11:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	272	573	301	573	-	-	-	-	-	-	282	573
PM Peak	-	-	-	-	17:00	17:00	16:00	15:00	-	-	-	-	-	-	16:00	15:00
Vol.	-	-	-	-	554	385	553	384	-	-	-	-	-	-	553	366

Comb. Total 0 0 10778 11089 0 0 0 10930

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

Start Time	20-Nov-13		EB		WB		Combined		21-Nov	EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		Thu	A.M.	P.M.	A.M.	P.M.	A.M.
12:00			14	87	6	73	20	160		12	76	5	66	17	142
12:15			5	84	4	64	9	148		9	61	9	75	18	136
12:30			8	68	5	57	13	125		10	71	3	69	13	140
12:45			5	50	3	52	8	102		2	84	1	77	3	161
01:00			1	75	3	60	4	135		5	77	5	61	10	138
01:15			1	62	4	65	5	127		2	69	2	81	4	150
01:30			2	80	2	81	4	161		4	90	5	64	9	154
01:45			0	104	2	57	2	161		4	100	2	89	6	189
02:00			1	79	1	75	2	154		3	107	1	69	4	176
02:15			0	106	0	72	0	178		0	101	1	58	1	159
02:30			0	104	0	71	0	175		0	103	1	83	1	186
02:45			3	91	1	83	4	174		2	100	2	98	4	198
03:00			1	89	1	91	2	180		2	117	1	81	3	198
03:15			3	102	2	82	5	184		1	118	3	100	4	218
03:30			2	124	5	97	7	221		2	117	6	109	8	226
03:45			2	122	8	79	10	201		3	142	9	94	12	236
04:00			1	127	5	102	6	229		3	133	9	78	12	211
04:15			5	149	17	75	22	224		6	153	12	88	18	241
04:30			5	141	17	86	22	227		8	142	15	76	23	218
04:45			9	136	30	96	39	232		5	125	32	95	37	220
05:00			11	147	43	98	54	245		13	141	35	85	48	226
05:15			10	148	36	97	46	245		13	135	50	76	63	211
05:30			23	131	46	85	69	216		20	144	58	80	78	224
05:45			18	128	66	105	84	233		24	94	63	93	87	187
06:00			49	129	82	83	131	212		27	120	82	71	109	191
06:15			47	107	113	103	160	210		51	92	118	74	169	166
06:30			57	88	150	63	207	151		57	91	137	50	194	141
06:45			83	70	143	55	226	125		78	89	146	65	224	154
07:00			63	74	131	52	194	126		71	71	135	58	206	129
07:15			57	86	152	48	209	134		71	71	134	43	205	114
07:30			85	52	161	39	246	91		68	62	158	48	226	110
07:45			67	62	129	44	196	106		83	54	146	38	229	92
08:00			63	59	124	39	187	98		69	60	142	27	211	87
08:15			57	72	110	33	167	105		56	44	111	25	167	69
08:30			62	60	119	28	181	88		75	45	111	38	186	83
08:45			69	47	92	34	161	81		90	42	98	26	188	68
09:00			58	40	92	33	150	73		71	47	87	22	158	69
09:15			72	31	80	23	152	54		68	45	95	37	163	82
09:30			53	36	86	24	139	60		67	38	77	24	144	62
09:45			66	23	71	25	137	48		55	30	78	17	133	47
10:00			71	28	75	23	146	51		56	26	81	29	137	55
10:15			69	25	77	16	146	41		80	16	67	21	147	37
10:30			60	29	60	16	120	45		76	26	88	12	164	38
10:45			55	22	63	10	118	32		70	22	67	13	137	35
11:00			75	21	51	17	126	38		79	20	77	23	156	43
11:15			54	16	52	19	106	35		60	22	67	23	127	45
11:30			64	9	62	6	126	15		77	17	82	9	159	26
11:45			66	10	64	14	130	24		85	9	80	5	165	14
Total			1652	3730	2646	2750	4298	6480		1793	3759	2794	2743	4587	6502
Day Total			5382		5396		10778			5552		5537		11089	
% Total			15.3%	34.6%	24.6%	25.5%				16.2%	33.9%	25.2%	24.7%		
Peak	-		06:45	04:15	06:45	05:00	06:45	04:30	-	10:15	03:45	07:15	02:45	07:15	03:30
Vol.	-		288	573	587	385	875	949	-	305	570	580	388	871	914
P.H.F.			0.847	0.961	0.911	0.917	0.889	0.968		0.847	0.931	0.918	0.890	0.951	0.948

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

Start Time	18-Nov-13 Mon	19-Nov-13 Tue	20-Nov-13 Wed	21-Nov-13 Thu	22-Nov-13 Fri	23-Nov-13 Sat	24-Nov-13 Sun	Week Average
12:00 AM	*	*	50	51	*	*	*	50
01:00	*	*	15	29	*	*	*	22
02:00	*	*	6	10	*	*	*	8
03:00	*	*	24	27	*	*	*	26
04:00	*	*	89	90	*	*	*	90
05:00	*	*	253	276	*	*	*	264
06:00	*	*	724	696	*	*	*	710
07:00	*	*	845	866	*	*	*	856
08:00	*	*	696	752	*	*	*	724
09:00	*	*	578	598	*	*	*	588
10:00	*	*	530	585	*	*	*	558
11:00	*	*	488	607	*	*	*	548
12:00 PM	*	*	535	579	*	*	*	557
01:00	*	*	584	631	*	*	*	608
02:00	*	*	681	719	*	*	*	700
03:00	*	*	786	878	*	*	*	832
04:00	*	*	912	890	*	*	*	901
05:00	*	*	939	848	*	*	*	894
06:00	*	*	698	652	*	*	*	675
07:00	*	*	457	445	*	*	*	451
08:00	*	*	372	307	*	*	*	340
09:00	*	*	235	260	*	*	*	248
10:00	*	*	169	165	*	*	*	167
11:00	*	*	112	128	*	*	*	120
Total	0	0	10778	11089	0	0	0	10937
Percentage	0.0%	0.0%	98.5%	101.4%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	07:00
Vol.	-	-	845	866	-	-	-	856
PM Peak	-	-	17:00	16:00	-	-	-	16:00
Vol.	-	-	939	890	-	-	-	901

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 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm 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
11/20/1															
3	0	0	0	0	0	16	11	4	1	0	0	0	0	0	32
01:00	0	0	0	0	0	3	1	0	0	0	0	0	0	0	4
02:00	0	0	0	1	1	1	0	1	0	0	0	0	0	0	4
03:00	0	0	0	0	1	2	4	1	0	0	0	0	0	0	8
04:00	0	0	0	0	2	5	7	5	0	1	0	0	0	0	20
05:00	1	1	0	0	10	20	15	14	1	0	0	0	0	0	62
06:00	8	1	3	5	41	105	65	7	1	0	0	0	0	0	236
07:00	12	0	2	6	28	122	86	14	2	0	0	0	0	0	272
08:00	21	0	2	6	20	96	85	19	2	0	0	0	0	0	251
09:00	7	1	1	4	26	116	80	12	2	0	0	0	0	0	249
10:00	8	0	0	1	34	122	73	16	1	0	0	0	0	0	255
11:00	4	1	0	1	24	129	85	13	2	0	0	0	0	0	259
12 PM	8	0	0	2	22	143	101	13	0	0	0	0	0	0	289
13:00	8	2	7	5	39	132	107	21	0	0	0	0	0	0	321
14:00	10	0	2	7	61	201	89	10	0	0	0	0	0	0	380
15:00	20	1	2	21	67	193	116	16	1	0	0	0	0	0	437
16:00	21	0	4	13	91	308	111	4	1	0	0	0	0	0	553
17:00	20	0	1	23	144	285	75	6	0	0	0	0	0	0	554
18:00	17	0	1	5	88	232	44	7	0	0	0	0	0	0	394
19:00	6	0	0	8	53	148	54	5	0	0	0	0	0	0	274
20:00	6	0	0	5	39	130	54	4	0	0	0	0	0	0	238
21:00	0	0	0	4	25	62	36	3	0	0	0	0	0	0	130
22:00	0	0	0	3	12	53	31	4	1	0	0	0	0	0	104
23:00	0	0	0	0	7	31	14	2	2	0	0	0	0	0	56
Total	177	7	25	120	835	2655	1344	201	17	1	0	0	0	0	5382

Daily

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

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 34-43 MPH
 Number in Pace : 3696
 Percent in Pace : 68.7%
 Number of Vehicles > 40 MPH : 1563
 Percent of Vehicles > 40 MPH : 29.0%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm 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
11/21/1															
3	0	0	0	0	6	13	10	4	0	0	0	0	0	0	33
01:00	0	0	0	0	1	5	7	2	0	0	0	0	0	0	15
02:00	0	0	0	0	0	2	2	0	1	0	0	0	0	0	5
03:00	0	0	0	0	1	3	3	1	0	0	0	0	0	0	8
04:00	0	0	1	0	2	4	12	2	1	0	0	0	0	0	22
05:00	2	0	1	1	7	33	15	11	0	0	0	0	0	0	70
06:00	16	2	1	8	25	92	58	9	2	0	0	0	0	0	213
07:00	18	2	1	5	36	99	119	10	3	0	0	0	0	0	293
08:00	13	2	6	4	29	121	101	14	0	0	0	0	0	0	290
09:00	9	0	1	7	33	120	78	11	2	0	0	0	0	0	261
10:00	10	2	1	0	42	116	98	12	1	0	0	0	0	0	282
11:00	12	0	2	4	32	128	108	14	1	0	0	0	0	0	301
12 PM	6	1	1	1	25	152	96	10	0	0	0	0	0	0	292
13:00	14	3	6	8	29	158	111	7	0	0	0	0	0	0	336
14:00	5	0	2	4	61	186	140	12	1	0	0	0	0	0	411
15:00	18	1	2	10	64	248	134	15	1	0	0	0	1	0	494
16:00	17	3	1	15	83	304	125	5	0	0	0	0	0	0	553
17:00	15	1	1	10	124	284	75	4	0	0	0	0	0	0	514
18:00	8	0	0	1	57	251	67	8	0	0	0	0	0	0	392
19:00	3	0	1	8	37	144	60	5	0	0	0	0	0	0	258
20:00	0	0	2	3	21	111	49	3	2	0	0	0	0	0	191
21:00	2	0	0	2	25	85	35	10	1	0	0	0	0	0	160
22:00	1	0	0	2	16	34	31	6	0	0	0	0	0	0	90
23:00	0	0	0	0	8	30	24	4	1	1	0	0	0	0	68
Total	169	17	30	93	764	2723	1558	179	17	1	0	0	1	0	5552

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

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 3888
 Percent in Pace : 70.0%
 Number of Vehicles > 40 MPH : 1756
 Percent of Vehicles > 40 MPH : 31.6%

Grand Total	346	24	55	213	1599	5378	2902	380	34	2	0	0	1	0	10934
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 7568
 Percent in Pace : 69.2%
 Number of Vehicles > 40 MPH : 3319
 Percent of Vehicles > 40 MPH : 30.4%

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 Layout: L6 Basic (2')

Station ID:
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 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

WB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
11/20/1															
3	0	0	1	0	2	7	7	1	0	0	0	0	0	0	18
01:00	0	0	0	0	1	3	4	1	1	0	0	0	0	0	11
02:00	0	0	0	0	0	0	1	1	0	0	0	0	0	0	2
03:00	0	0	0	0	4	3	8	1	0	0	0	0	0	0	16
04:00	0	0	0	1	6	19	31	8	3	1	0	0	0	0	69
05:00	2	0	1	0	12	76	79	15	5	1	0	0	0	0	191
06:00	11	0	0	2	52	243	160	20	0	0	0	0	0	0	488
07:00	13	7	4	13	33	262	213	25	2	1	0	0	0	0	573
08:00	21	3	11	7	42	176	155	27	2	1	0	0	0	0	445
09:00	8	2	3	4	31	139	128	13	1	0	0	0	0	0	329
10:00	8	1	2	4	18	119	113	9	1	0	0	0	0	0	275
11:00	5	1	0	1	14	81	102	21	4	0	0	0	0	0	229
12 PM	5	0	1	2	13	94	115	14	1	1	0	0	0	0	246
13:00	5	1	0	3	26	103	98	25	2	0	0	0	0	0	263
14:00	10	0	1	0	35	131	102	22	0	0	0	0	0	0	301
15:00	22	3	0	4	39	139	121	19	2	0	0	0	0	0	349
16:00	19	1	2	1	28	176	123	9	0	0	0	0	0	0	359
17:00	18	2	1	19	69	202	68	6	0	0	0	0	0	0	385
18:00	21	2	5	10	58	150	55	3	0	0	0	0	0	0	304
19:00	7	0	1	4	24	90	52	5	0	0	0	0	0	0	183
20:00	5	0	1	0	22	64	37	4	1	0	0	0	0	0	134
21:00	0	0	0	1	11	57	31	5	0	0	0	0	0	0	105
22:00	0	1	1	0	8	30	22	3	0	0	0	0	0	0	65
23:00	0	0	0	0	0	26	24	5	1	0	0	0	0	0	56
Total	180	24	35	76	548	2390	1849	262	26	5	0	0	0	1	5396

Daily

15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 3734
 Percent in Pace : 69.2%
 Number of Vehicles > 40 MPH : 2143
 Percent of Vehicles > 40 MPH : 39.7%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm 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	
11/21/1															
3	0	0	0	0	1	7	7	2	1	0	0	0	0	0	18
01:00	0	0	0	0	2	6	3	3	0	0	0	0	0	0	14
02:00	0	0	0	0	0	1	3	1	0	0	0	0	0	0	5
03:00	0	0	0	0	2	5	10	1	1	0	0	0	0	0	19
04:00	0	0	0	1	3	19	32	11	2	0	0	0	0	0	68
05:00	1	0	0	0	7	101	79	18	0	0	0	0	0	0	206
06:00	9	0	1	1	60	264	135	13	0	0	0	0	0	0	483
07:00	23	5	6	10	49	260	199	21	0	0	0	0	0	0	573
08:00	16	4	7	8	43	214	150	18	2	0	0	0	0	0	462
09:00	9	0	1	0	33	138	133	22	1	0	0	0	0	0	337
10:00	11	0	4	1	22	149	91	22	2	0	1	0	0	0	303
11:00	8	0	0	0	16	131	125	22	4	0	0	0	0	0	306
12 PM	7	0	2	3	15	114	113	31	1	1	0	0	0	0	287
13:00	8	1	0	0	27	106	129	23	0	1	0	0	0	0	295
14:00	12	0	1	1	33	139	99	21	2	0	0	0	0	0	308
15:00	22	2	11	5	41	174	115	12	2	0	0	0	0	0	384
16:00	17	2	0	4	50	155	97	12	0	0	0	0	0	0	337
17:00	19	0	0	1	79	153	69	11	2	0	0	0	0	0	334
18:00	16	2	1	4	37	130	62	8	0	0	0	0	0	0	260
19:00	8	2	0	2	18	92	58	5	2	0	0	0	0	0	187
20:00	2	0	3	0	10	60	31	10	0	0	0	0	0	0	116
21:00	0	0	0	0	5	41	46	7	1	0	0	0	0	0	100
22:00	0	0	0	1	8	32	26	6	2	0	0	0	0	0	75
23:00	0	0	1	2	4	31	17	4	1	0	0	0	0	0	60
Total	188	18	38	44	565	2522	1829	304	26	2	1	0	0	0	5537

Daily

15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 3848
 Percent in Pace : 69.5%
 Number of Vehicles > 40 MPH : 2162
 Percent of Vehicles > 40 MPH : 39.0%

Grand Total	368	42	73	120	1113	4912	3678	566	52	7	1	0	0	1	10933
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Overall

15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 7582
 Percent in Pace : 69.4%
 Number of Vehicles > 40 MPH : 4305
 Percent of Vehicles > 40 MPH : 39.4%

Old Colony Planning Council
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Brockton, MA 02301
508-583-1833
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm 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
11/20/1															
3	0	0	1	0	2	23	18	5	1	0	0	0	0	0	50
01:00	0	0	0	0	1	6	5	1	1	0	0	0	0	0	15
02:00	0	0	0	1	1	1	1	2	0	0	0	0	0	0	6
03:00	0	0	0	0	5	5	12	2	0	0	0	0	0	0	24
04:00	0	0	0	1	8	24	38	13	3	2	0	0	0	0	89
05:00	3	1	1	0	22	96	94	29	6	1	0	0	0	0	253
06:00	19	1	3	7	93	348	225	27	1	0	0	0	0	0	724
07:00	25	7	6	19	61	384	299	39	4	1	0	0	0	0	845
08:00	42	3	13	13	62	272	240	46	4	1	0	0	0	0	696
09:00	15	3	4	8	57	255	208	25	3	0	0	0	0	0	578
10:00	16	1	2	5	52	241	186	25	2	0	0	0	0	0	530
11:00	9	2	0	2	38	210	187	34	6	0	0	0	0	0	488
12 PM	13	0	1	4	35	237	216	27	1	1	0	0	0	0	535
13:00	13	3	7	8	65	235	205	46	2	0	0	0	0	0	584
14:00	20	0	3	7	96	332	191	32	0	0	0	0	0	0	681
15:00	42	4	2	25	106	332	237	35	3	0	0	0	0	0	786
16:00	40	1	6	14	119	484	234	13	1	0	0	0	0	0	912
17:00	38	2	2	42	213	487	143	12	0	0	0	0	0	0	939
18:00	38	2	6	15	146	382	99	10	0	0	0	0	0	0	698
19:00	13	0	1	12	77	238	106	10	0	0	0	0	0	0	457
20:00	11	0	1	5	61	194	91	8	1	0	0	0	0	0	372
21:00	0	0	0	5	36	119	67	8	0	0	0	0	0	0	235
22:00	0	1	1	3	20	83	53	7	1	0	0	0	0	0	169
23:00	0	0	0	0	7	57	38	7	3	0	0	0	0	0	112
Total	357	31	60	196	1383	5045	3193	463	43	6	0	0	0	0	10778

Daily

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

Mean Speed(Average) :	37 MPH
10 MPH Pace Speed :	35-44 MPH
Number in Pace :	7413
Percent in Pace :	68.8%
Number of Vehicles > 40 MPH :	3706
Percent of Vehicles > 40 MPH :	34.4%

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Community: Hanson
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm 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
11/21/1															
3	0	0	0	0	7	20	17	6	1	0	0	0	0	0	51
01:00	0	0	0	0	3	11	10	5	0	0	0	0	0	0	29
02:00	0	0	0	0	0	3	5	1	1	0	0	0	0	0	10
03:00	0	0	0	0	3	8	13	2	1	0	0	0	0	0	27
04:00	0	0	1	1	5	23	44	13	3	0	0	0	0	0	90
05:00	3	0	1	1	14	134	94	29	0	0	0	0	0	0	276
06:00	25	2	2	9	85	356	193	22	2	0	0	0	0	0	696
07:00	41	7	7	15	85	359	318	31	3	0	0	0	0	0	866
08:00	29	6	13	12	72	335	251	32	2	0	0	0	0	0	752
09:00	18	0	2	7	66	258	211	33	3	0	0	0	0	0	598
10:00	21	2	5	1	64	265	189	34	3	0	1	0	0	0	585
11:00	20	0	2	4	48	259	233	36	5	0	0	0	0	0	607
12 PM	13	1	3	4	40	266	209	41	1	1	0	0	0	0	579
13:00	22	4	6	8	56	264	240	30	0	1	0	0	0	0	631
14:00	17	0	3	5	94	325	239	33	3	0	0	0	0	0	719
15:00	40	3	13	15	105	422	249	27	3	0	0	0	1	0	878
16:00	34	5	1	19	133	459	222	17	0	0	0	0	0	0	890
17:00	34	1	1	11	203	437	144	15	2	0	0	0	0	0	848
18:00	24	2	1	5	94	381	129	16	0	0	0	0	0	0	652
19:00	11	2	1	10	55	236	118	10	2	0	0	0	0	0	445
20:00	2	0	5	3	31	171	80	13	2	0	0	0	0	0	307
21:00	2	0	0	2	30	126	81	17	2	0	0	0	0	0	260
22:00	1	0	0	3	24	66	57	12	2	0	0	0	0	0	165
23:00	0	0	1	2	12	61	41	8	2	1	0	0	0	0	128
Total	357	35	68	137	1329	5245	3387	483	43	3	1	0	1	1	11089

Daily

15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 7736
 Percent in Pace : 69.8%
 Number of Vehicles > 40 MPH : 3918
 Percent of Vehicles > 40 MPH : 35.3%

Grand Total	714	66	128	333	2712	10290	6580	946	86	9	1	0	1	1	21867
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Overall

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

Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 15150
 Percent in Pace : 69.3%
 Number of Vehicles > 40 MPH : 7624
 Percent of Vehicles > 40 MPH : 34.9%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/20/1															
3	0	24	8	0	0	0	0	0	0	0	0	0	0	32	0
01:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
03:00	0	6	1	0	1	0	0	0	0	0	0	0	0	8	1
04:00	0	13	6	1	0	0	0	0	0	0	0	0	0	20	1
05:00	0	43	17	0	2	0	0	0	0	0	0	0	0	62	2
06:00	2	164	45	7	11	4	0	1	1	0	0	0	0	235	24
07:00	1	189	62	4	13	2	0	0	0	1	0	0	0	272	20
08:00	1	173	54	4	13	3	0	1	2	0	0	0	0	251	23
09:00	0	157	72	2	14	1	0	1	1	0	0	0	0	248	19
10:00	2	162	67	3	12	2	0	4	2	0	0	0	0	254	23
11:00	0	174	65	5	11	1	0	0	2	0	0	0	0	258	19
12 PM	2	196	67	3	12	4	0	0	4	0	0	0	0	288	23
13:00	1	231	70	2	12	1	0	2	2	0	0	0	0	321	19
14:00	0	279	75	3	12	5	0	2	3	0	0	0	0	379	25
15:00	1	307	109	3	12	2	0	1	0	0	0	0	0	435	18
16:00	1	388	136	0	22	1	0	4	0	0	0	0	0	552	27
17:00	0	413	120	3	13	1	0	0	1	0	0	0	0	551	18
18:00	1	290	92	0	10	1	0	0	0	0	0	0	0	394	11
19:00	1	210	59	0	3	0	0	0	0	0	0	0	0	273	3
20:00	0	193	41	0	4	0	0	0	0	0	0	0	0	238	4
21:00	0	104	24	0	2	0	0	0	0	0	0	0	0	130	2
22:00	0	86	17	0	1	0	0	0	0	0	0	0	0	104	1
23:00	0	48	7	0	1	0	0	0	0	0	0	0	0	56	1
Total	13	3855	1217	40	181	28	0	16	18	1	0	0	0	5369	284
Percent	0.2%	71.8%	22.7%	0.7%	3.4%	0.5%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		5.3%
AM Peak	06:00	07:00	09:00	06:00	09:00	06:00		10:00	08:00	07:00				07:00	06:00
Vol.	2	189	72	7	14	4		4	2	1				272	24
PM Peak	12:00	17:00	16:00	12:00	16:00	14:00		16:00	12:00					16:00	16:00
Vol.	2	413	136	3	22	5		4	4					552	27

Old Colony Planning Council
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

EB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/21/1															
3	0	27	4	1	1	0	0	0	0	0	0	0	0	33	2
01:00	0	11	4	0	0	0	0	0	0	0	0	0	0	15	0
02:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	7	0	0	1	0	0	0	0	0	0	0	0	8	1
04:00	0	15	4	1	1	0	0	0	0	1	0	0	0	22	3
05:00	0	40	23	2	2	1	0	0	1	0	0	0	0	69	6
06:00	1	147	48	8	7	1	0	0	0	0	0	0	0	212	16
07:00	1	186	72	4	20	3	0	4	1	0	0	0	0	291	32
08:00	3	187	77	4	12	2	0	3	1	0	0	0	0	289	22
09:00	1	164	71	3	16	2	0	1	1	0	0	0	0	259	23
10:00	1	183	72	2	19	3	0	0	2	0	0	0	0	282	26
11:00	1	199	80	4	14	1	0	1	0	0	0	0	0	300	20
12 PM	0	205	65	2	16	1	0	1	2	0	0	0	0	292	22
13:00	1	238	67	4	17	5	0	2	1	0	0	0	0	335	29
14:00	0	312	82	2	11	1	0	1	0	0	0	0	0	409	15
15:00	1	331	135	3	15	3	0	2	0	0	0	0	0	490	23
16:00	1	378	139	1	27	3	0	2	1	0	0	0	0	552	34
17:00	1	381	116	0	12	1	0	0	1	0	0	0	0	512	14
18:00	0	296	90	0	4	0	0	0	1	0	0	0	0	391	5
19:00	0	204	48	0	4	1	0	0	0	0	0	0	0	257	5
20:00	0	149	37	0	4	1	0	0	0	0	0	0	0	191	5
21:00	0	133	22	0	4	0	0	0	0	0	0	0	0	159	4
22:00	0	75	14	0	1	0	0	0	0	0	0	0	0	90	1
23:00	0	54	11	0	3	0	0	0	0	0	0	0	0	68	3
Total	12	3925	1283	41	211	29	0	17	12	1	0	0	0	5531	311
Percent	0.2%	71.0%	23.2%	0.7%	3.8%	0.5%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak Vol.	3	199	80	8	20	3		4	2	1				300	32
PM Peak Vol.	1	381	139	4	27	5		2	2					552	34
Grand Total	25	7780	2500	81	392	57	0	33	30	2	0	0	0	10900	595
Percent	0.2%	71.4%	22.9%	0.7%	3.6%	0.5%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		5.5%

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Community: Hanson
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/20/1															
3	0	14	3	0	1	0	0	0	0	0	0	0	0	18	1
01:00	0	7	4	0	0	0	0	0	0	0	0	0	0	11	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	12	4	0	0	0	0	0	0	0	0	0	0	16	0
04:00	0	39	27	0	3	0	0	0	0	0	0	0	0	69	3
05:00	0	113	60	2	13	1	0	0	1	0	0	0	0	190	17
06:00	2	327	131	4	18	2	0	2	0	0	0	0	0	486	26
07:00	0	407	136	2	18	2	0	3	4	0	0	0	0	572	29
08:00	1	308	102	7	20	2	0	1	2	0	0	0	0	443	32
09:00	0	216	92	2	13	1	0	3	2	0	0	0	0	329	21
10:00	1	193	56	4	15	2	0	2	2	0	0	0	0	275	25
11:00	0	147	62	0	16	0	0	0	2	0	0	1	0	228	19
12 PM	0	163	57	5	14	1	0	3	1	0	0	0	0	244	24
13:00	1	168	66	5	15	4	0	0	2	0	0	0	0	261	26
14:00	0	193	76	8	20	1	0	0	2	0	0	0	0	300	31
15:00	0	254	66	7	11	5	2	1	1	0	0	0	0	347	27
16:00	1	247	90	3	10	3	0	4	0	0	0	0	0	358	20
17:00	0	280	86	1	14	2	0	1	0	0	0	0	0	384	18
18:00	1	233	61	0	8	1	0	0	0	0	0	0	0	304	9
19:00	0	120	54	0	8	0	0	1	0	0	0	0	0	183	9
20:00	0	108	23	0	2	0	0	0	0	0	0	0	0	133	2
21:00	0	77	25	0	2	0	0	1	0	0	0	0	0	105	3
22:00	0	59	6	0	0	0	0	0	0	0	0	0	0	65	0
23:00	0	50	5	0	1	0	0	0	0	0	0	0	0	56	1
Total	7	3737	1292	50	222	27	2	22	19	0	0	1	0	5379	343
Percent	0.1%	69.5%	24.0%	0.9%	4.1%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		6.4%
AM Peak	06:00	07:00	07:00	08:00	08:00	06:00		07:00	07:00			11:00		07:00	08:00
Vol.	2	407	136	7	20	2		3	4			1		572	32
PM Peak	13:00	17:00	16:00	14:00	14:00	15:00	15:00	16:00	13:00					17:00	14:00
Vol.	1	280	90	8	20	5	2	4	2					384	31

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/21/1															
3	0	14	4	0	0	0	0	0	0	0	0	0	0	18	0
01:00	0	9	5	0	0	0	0	0	0	0	0	0	0	14	0
02:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
03:00	0	14	5	0	0	0	0	0	0	0	0	0	0	19	0
04:00	1	38	23	0	5	1	0	0	0	0	0	0	0	68	6
05:00	0	121	65	1	17	0	0	1	1	0	0	0	0	206	20
06:00	2	320	129	4	24	2	0	1	0	0	0	0	0	482	31
07:00	1	407	133	1	24	1	0	4	0	0	0	0	0	571	30
08:00	0	311	118	6	22	1	0	2	0	0	0	0	0	460	31
09:00	2	223	82	4	18	2	1	4	0	0	0	0	0	336	29
10:00	2	183	90	4	20	2	0	1	1	0	0	0	0	303	28
11:00	0	203	84	2	10	2	0	3	1	0	0	0	0	305	18
12 PM	0	184	74	3	18	4	0	1	2	0	0	0	0	286	28
13:00	0	177	88	3	23	3	0	1	0	0	0	0	0	295	30
14:00	0	198	82	5	14	4	0	4	0	0	0	0	0	307	27
15:00	3	247	106	6	12	2	1	4	0	0	0	0	0	381	25
16:00	1	223	98	1	11	1	0	0	0	0	0	0	0	335	13
17:00	2	231	80	2	12	2	0	1	1	1	0	0	0	332	19
18:00	1	189	64	0	4	0	0	0	0	0	0	0	0	258	4
19:00	0	145	37	0	3	0	0	0	0	0	0	0	0	185	3
20:00	0	94	18	1	3	0	0	0	0	0	0	0	0	116	4
21:00	0	80	20	0	0	0	0	0	0	0	0	0	0	100	0
22:00	0	60	13	0	2	0	0	0	0	0	0	0	0	75	2
23:00	0	46	12	0	2	0	0	0	0	0	0	0	0	60	2
Total	15	3722	1430	43	244	27	2	27	6	1	0	0	0	5517	350
Percent	0.3%	67.5%	25.9%	0.8%	4.4%	0.5%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%		6.3%
AM Peak Vol.	2	407	133	6	24	2	1	4	1					571	31
PM Peak Vol.	3	247	106	6	23	4	1	4	2	1				381	30
Grand Total	22	7459	2722	93	466	54	4	49	25	1	0	1	0	10896	693
Percent	0.2%	68.5%	25.0%	0.9%	4.3%	0.5%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		6.4%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/20/1															
3	0	38	11	0	1	0	0	0	0	0	0	0	0	50	1
01:00	0	9	6	0	0	0	0	0	0	0	0	0	0	15	0
02:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	18	5	0	1	0	0	0	0	0	0	0	0	24	1
04:00	0	52	33	1	3	0	0	0	0	0	0	0	0	89	4
05:00	0	156	77	2	15	1	0	0	1	0	0	0	0	252	19
06:00	4	491	176	11	29	6	0	3	1	0	0	0	0	721	50
07:00	1	596	198	6	31	4	0	3	4	1	0	0	0	844	49
08:00	2	481	156	11	33	5	0	2	4	0	0	0	0	694	55
09:00	0	373	164	4	27	2	0	4	3	0	0	0	0	577	40
10:00	3	355	123	7	27	4	0	6	4	0	0	0	0	529	48
11:00	0	321	127	5	27	1	0	0	4	0	0	1	0	486	38
12 PM	2	359	124	8	26	5	0	3	5	0	0	0	0	532	47
13:00	2	399	136	7	27	5	0	2	4	0	0	0	0	582	45
14:00	0	472	151	11	32	6	0	2	5	0	0	0	0	679	56
15:00	1	561	175	10	23	7	2	2	1	0	0	0	0	782	45
16:00	2	635	226	3	32	4	0	8	0	0	0	0	0	910	47
17:00	0	693	206	4	27	3	0	1	1	0	0	0	0	935	36
18:00	2	523	153	0	18	2	0	0	0	0	0	0	0	698	20
19:00	1	330	113	0	11	0	0	1	0	0	0	0	0	456	12
20:00	0	301	64	0	6	0	0	0	0	0	0	0	0	371	6
21:00	0	181	49	0	4	0	0	1	0	0	0	0	0	235	5
22:00	0	145	23	0	1	0	0	0	0	0	0	0	0	169	1
23:00	0	98	12	0	2	0	0	0	0	0	0	0	0	112	2
Total	20	7592	2509	90	403	55	2	38	37	1	0	1	0	10748	627
Percent	0.2%	70.6%	23.3%	0.8%	3.7%	0.5%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		5.8%
AM Peak Vol.	06:00	07:00	07:00	06:00	08:00	06:00		10:00	07:00	07:00		11:00		07:00	08:00
	4	596	198	11	33	6		6	4	1		1		844	55
PM Peak Vol.	12:00	17:00	16:00	14:00	14:00	15:00	15:00	16:00	12:00					17:00	14:00
	2	693	226	11	32	7	2	8	5					935	56

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 231
 Date Start: 20-Nov-13
 Date End: 21-Nov-13
 Main St (27), west of Elm St

EB, WB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
11/21/1															
3	0	41	8	1	1	0	0	0	0	0	0	0	0	51	2
01:00	0	20	9	0	0	0	0	0	0	0	0	0	0	29	0
02:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
03:00	0	21	5	0	1	0	0	0	0	0	0	0	0	27	1
04:00	1	53	27	1	6	1	0	0	0	1	0	0	0	90	9
05:00	0	161	88	3	19	1	0	1	2	0	0	0	0	275	26
06:00	3	467	177	12	31	3	0	1	0	0	0	0	0	694	47
07:00	2	593	205	5	44	4	0	8	1	0	0	0	0	862	62
08:00	3	498	195	10	34	3	0	5	1	0	0	0	0	749	53
09:00	3	387	153	7	34	4	1	5	1	0	0	0	0	595	52
10:00	3	366	162	6	39	5	0	1	3	0	0	0	0	585	54
11:00	1	402	164	6	24	3	0	4	1	0	0	0	0	605	38
12 PM	0	389	139	5	34	5	0	2	4	0	0	0	0	578	50
13:00	1	415	155	7	40	8	0	3	1	0	0	0	0	630	59
14:00	0	510	164	7	25	5	0	5	0	0	0	0	0	716	42
15:00	4	578	241	9	27	5	1	6	0	0	0	0	0	871	48
16:00	2	601	237	2	38	4	0	2	1	0	0	0	0	887	47
17:00	3	612	196	2	24	3	0	1	2	1	0	0	0	844	33
18:00	1	485	154	0	8	0	0	0	1	0	0	0	0	649	9
19:00	0	349	85	0	7	1	0	0	0	0	0	0	0	442	8
20:00	0	243	55	1	7	1	0	0	0	0	0	0	0	307	9
21:00	0	213	42	0	4	0	0	0	0	0	0	0	0	259	4
22:00	0	135	27	0	3	0	0	0	0	0	0	0	0	165	3
23:00	0	100	23	0	5	0	0	0	0	0	0	0	0	128	5
Total	27	7647	2713	84	455	56	2	44	18	2	0	0	0	11048	661
Percent	0.2%	69.2%	24.6%	0.8%	4.1%	0.5%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak Vol.	06:00	07:00	07:00	06:00	07:00	10:00	09:00	07:00	10:00	04:00				07:00	07:00
	3	593	205	12	44	5	1	8	3	1				862	62
PM Peak Vol.	15:00	17:00	15:00	15:00	13:00	13:00	15:00	15:00	12:00	17:00				16:00	13:00
	4	612	241	9	40	8	1	6	4	1				887	59
Grand Total	47	15239	5222	174	858	111	4	82	55	3	0	1	0	21796	1288
Percent	0.2%	69.9%	24.0%	0.8%	3.9%	0.5%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		5.9%

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

Community: Hanson
 Com#_UR/FC: 123_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

Start Time	28-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	*	*	6	4	3	7	*	*	*	*	*	*	*	*	4	6
01:00	*	*	4	4	1	5	*	*	*	*	*	*	*	*	2	4
02:00	*	*	0	1	1	0	*	*	*	*	*	*	*	*	0	0
03:00	*	*	4	4	2	4	*	*	*	*	*	*	*	*	3	4
04:00	*	*	10	14	9	15	*	*	*	*	*	*	*	*	10	14
05:00	*	*	21	43	25	45	*	*	*	*	*	*	*	*	23	44
06:00	*	*	78	82	73	81	*	*	*	*	*	*	*	*	76	82
07:00	*	*	94	103	100	101	*	*	*	*	*	*	*	*	97	102
08:00	*	*	80	84	88	83	*	*	*	*	*	*	*	*	84	84
09:00	*	*	68	60	69	53	*	*	*	*	*	*	*	*	68	56
10:00	*	*	49	64	61	44	*	*	*	*	*	*	*	*	55	54
11:00	*	*	55	61	59	51	*	*	*	*	*	*	*	*	57	56
12:00 PM	*	*	78	55	64	69	*	*	*	*	*	*	*	*	71	62
01:00	*	*	75	55	54	59	*	*	*	*	*	*	*	*	64	57
02:00	*	*	80	79	76	72	*	*	*	*	*	*	*	*	78	76
03:00	*	*	98	89	113	85	*	*	*	*	*	*	*	*	106	87
04:00	*	*	130	107	108	107	*	*	*	*	*	*	*	*	119	107
05:00	*	*	140	137	136	128	*	*	*	*	*	*	*	*	138	132
06:00	*	*	86	80	114	83	*	*	*	*	*	*	*	*	100	82
07:00	*	*	61	47	65	53	*	*	*	*	*	*	*	*	63	50
08:00	*	*	40	43	40	57	*	*	*	*	*	*	*	*	40	50
09:00	*	*	22	16	21	21	*	*	*	*	*	*	*	*	22	18
10:00	*	*	16	18	22	13	*	*	*	*	*	*	*	*	19	16
11:00	*	*	12	14	15	16	*	*	*	*	*	*	*	*	14	15
Total Day	0	0	1307	1264	1319	1252	0	0	0	0	0	0	0	0	1313	1258
AM Peak	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	94	103	100	101	-	-	-	-	-	-	-	-	97	102
PM Peak	-	-	17:00	17:00	17:00	17:00	-	-	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	140	137	136	128	-	-	-	-	-	-	-	-	138	132

Comb. Total	0	2571	2571	0	0	0	0	2571
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
www.ocpcrpa.org

Community: Hanson
 Com#_UR/FC: 123_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

Start Time	29-Oct-13 Tue		NB		SB		Combined		30-Oct- 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	2	21	2	15	4	36	1	13	2	21	3	34			
12:15	1	15	2	16	3	31	1	22	3	9	4	31			
12:30	2	24	0	9	2	33	1	15	2	19	3	34			
12:45	1	18	0	15	1	33	0	14	0	20	0	34			
01:00	1	18	2	15	3	33	0	12	1	21	1	33			
01:15	1	11	2	16	3	27	0	11	0	14	0	25			
01:30	0	23	0	12	0	35	1	14	3	12	4	26			
01:45	2	23	0	12	2	35	0	17	1	12	1	29			
02:00	0	17	0	16	0	33	0	14	0	20	0	34			
02:15	0	21	0	25	0	46	1	20	0	26	1	46			
02:30	0	21	1	17	1	38	0	18	0	10	0	28			
02:45	0	21	0	21	0	42	0	24	0	16	0	40			
03:00	0	27	0	21	0	48	1	22	1	20	2	42			
03:15	0	21	0	13	0	34	0	24	0	17	0	41			
03:30	3	30	2	34	5	64	1	36	0	29	1	65			
03:45	1	20	2	21	3	41	0	31	3	19	3	50			
04:00	1	31	0	33	1	64	1	28	4	27	5	55			
04:15	2	34	3	27	5	61	2	29	1	29	3	58			
04:30	0	28	4	22	4	50	1	23	4	22	5	45			
04:45	7	37	7	25	14	62	5	28	6	29	11	57			
05:00	1	39	6	38	7	77	1	34	7	31	8	65			
05:15	5	30	11	27	16	57	4	29	12	39	16	68			
05:30	4	35	17	37	21	72	7	32	15	26	22	58			
05:45	11	36	9	35	20	71	13	41	11	32	24	73			
06:00	10	31	14	20	24	51	11	28	16	22	27	50			
06:15	23	20	21	21	44	41	14	28	19	22	33	50			
06:30	18	21	27	16	45	37	17	29	19	24	36	53			
06:45	27	14	20	23	47	37	31	29	27	15	58	44			
07:00	32	21	23	16	55	37	21	20	22	22	43	42			
07:15	20	13	27	8	47	21	32	19	26	11	58	30			
07:30	22	19	31	9	53	28	27	14	31	9	58	23			
07:45	20	8	22	14	42	22	20	12	22	11	42	23			
08:00	22	12	24	10	46	22	24	8	12	11	36	19			
08:15	10	9	24	12	34	21	18	14	25	14	43	28			
08:30	27	7	21	8	48	15	23	9	28	10	51	19			
08:45	21	12	15	13	36	25	23	9	18	22	41	31			
09:00	16	3	18	8	34	11	20	7	13	5	33	12			
09:15	22	6	18	0	40	6	23	2	13	7	36	9			
09:30	19	7	12	6	31	13	16	8	10	3	26	11			
09:45	11	6	12	2	23	8	10	4	17	6	27	10			
10:00	18	7	12	4	30	11	20	5	13	5	33	10			
10:15	9	6	21	7	30	13	15	6	11	3	26	9			
10:30	10	1	20	6	30	7	12	7	11	4	23	11			
10:45	12	2	11	1	23	3	14	4	9	1	23	5			
11:00	12	2	14	4	26	6	13	5	19	3	32	8			
11:15	14	4	12	8	26	12	17	2	8	5	25	7			
11:30	13	3	21	1	34	4	14	4	13	3	27	7			
11:45	16	3	14	1	30	4	15	4	11	5	26	9			
Total	469	838	524	740	993	1578	491	828	489	763	980	1591			
Day Total	1307		1264		2571		1319		1252		2571				
% Total	18.2%	32.6%	20.4%	28.8%			19.1%	32.2%	19.0%	29.7%					
Peak	-	06:45	04:45	07:15	05:00	06:45	05:00	-	06:45	05:00	06:45	05:00			
Vol.	-	101	141	104	137	202	277	-	111	136	106	128			
P.H.F.		0.789	0.904	0.839	0.901	0.918	0.899		0.867	0.829	0.855	0.821			

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

Community: Hanson
 Com#_UR/FC: 123_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

Start Time	28-Oct-13 Mon	29-Oct-13 Tue	30-Oct-13 Wed	31-Oct-13 Thu	01-Nov-13 Fri	02-Nov-13 Sat	03-Nov-13 Sun	Week Average
12:00 AM	*	10	10	*	*	*	*	10
01:00	*	8	6	*	*	*	*	7
02:00	*	1	1	*	*	*	*	1
03:00	*	8	6	*	*	*	*	7
04:00	*	24	24	*	*	*	*	24
05:00	*	64	70	*	*	*	*	67
06:00	*	160	154	*	*	*	*	157
07:00	*	197	201	*	*	*	*	199
08:00	*	164	171	*	*	*	*	168
09:00	*	128	122	*	*	*	*	125
10:00	*	113	105	*	*	*	*	109
11:00	*	116	110	*	*	*	*	113
12:00 PM	*	133	133	*	*	*	*	133
01:00	*	130	113	*	*	*	*	122
02:00	*	159	148	*	*	*	*	154
03:00	*	187	198	*	*	*	*	192
04:00	*	237	215	*	*	*	*	226
05:00	*	277	264	*	*	*	*	270
06:00	*	166	197	*	*	*	*	182
07:00	*	108	118	*	*	*	*	113
08:00	*	83	97	*	*	*	*	90
09:00	*	38	42	*	*	*	*	40
10:00	*	34	35	*	*	*	*	34
11:00	*	26	31	*	*	*	*	28
Total	0	2571	2571	0	0	0	0	2571
Percentage	0.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	197	201	-	-	-	-	199
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	277	264	-	-	-	-	270

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NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/29/1																
3	0	0	0	0	0	3	2	1	0	0	0	0	0	0	0	6
01:00	0	0	0	1	1	1	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	0
03:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	2	6	1	1	0	0	0	0	0	0	0	10
05:00	0	0	0	1	4	10	5	1	0	0	0	0	0	0	0	21
06:00	1	0	1	2	28	40	3	3	0	0	0	0	0	0	0	78
07:00	3	0	1	2	22	46	16	3	1	0	0	0	0	0	0	94
08:00	4	0	2	3	17	36	16	2	0	0	0	0	0	0	0	80
09:00	1	1	0	4	26	29	7	0	0	0	0	0	0	0	0	68
10:00	0	0	1	4	16	17	8	3	0	0	0	0	0	0	0	49
11:00	0	0	2	3	27	18	3	2	0	0	0	0	0	0	0	55
12 PM	1	0	3	3	20	40	11	0	0	0	0	0	0	0	0	78
13:00	2	0	1	3	20	40	6	3	0	0	0	0	0	0	0	75
14:00	6	0	3	2	14	42	12	1	0	0	0	0	0	0	0	80
15:00	0	0	0	4	18	47	26	2	1	0	0	0	0	0	0	98
16:00	1	0	2	3	25	68	26	5	0	0	0	0	0	0	0	130
17:00	3	0	2	0	43	76	15	1	0	0	0	0	0	0	0	140
18:00	0	0	0	2	18	52	14	0	0	0	0	0	0	0	0	86
19:00	0	0	0	5	18	29	8	1	0	0	0	0	0	0	0	61
20:00	0	0	0	1	11	22	6	0	0	0	0	0	0	0	0	40
21:00	0	0	0	0	3	12	6	0	1	0	0	0	0	0	0	22
22:00	1	0	0	0	4	7	4	0	0	0	0	0	0	0	0	16
23:00	0	0	0	0	2	8	2	0	0	0	0	0	0	0	0	12
Total	23	1	18	43	341	651	198	29	3	0	0	0	0	0	0	1307

Daily

15th Percentile :	31 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	36 MPH
10 MPH Pace Speed :	33-42 MPH
Number in Pace :	921
Percent in Pace :	70.5%
Number of Vehicles > 35 MPH :	881
Percent of Vehicles > 35 MPH :	67.4%

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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
10/30/13	3	0	0	0	0	3	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
04:00	1	0	0	0	0	6	2	0	0	0	0	0	0	0	9
05:00	0	0	0	0	8	11	5	1	0	0	0	0	0	0	25
06:00	1	0	0	6	24	34	8	0	0	0	0	0	0	0	73
07:00	2	0	1	0	28	45	19	4	1	0	0	0	0	0	100
08:00	2	0	0	5	20	44	15	2	0	0	0	0	0	0	88
09:00	0	0	0	3	18	30	17	1	0	0	0	0	0	0	69
10:00	1	0	2	2	20	28	7	1	0	0	0	0	0	0	61
11:00	2	1	1	2	18	20	13	2	0	0	0	0	0	0	59
12 PM	0	2	1	7	18	26	9	1	0	0	0	0	0	0	64
13:00	0	0	2	4	8	23	16	1	0	0	0	0	0	0	54
14:00	2	0	2	3	12	42	13	2	0	0	0	0	0	0	76
15:00	0	0	1	5	29	63	11	4	0	0	0	0	0	0	113
16:00	1	0	1	5	38	50	12	1	0	0	0	0	0	0	108
17:00	1	0	0	4	43	75	13	0	0	0	0	0	0	0	136
18:00	2	1	0	1	44	57	9	0	0	0	0	0	0	0	114
19:00	1	0	0	5	20	30	8	1	0	0	0	0	0	0	65
20:00	0	0	0	3	14	15	8	0	0	0	0	0	0	0	40
21:00	0	0	0	0	10	8	2	1	0	0	0	0	0	0	21
22:00	1	0	0	0	7	11	3	0	0	0	0	0	0	0	22
23:00	0	0	0	0	4	8	3	0	0	0	0	0	0	0	15
Total	17	4	11	55	384	632	193	22	1	0	0	0	0	0	1319

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

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 936
 Percent in Pace : 71.0%
 Number of Vehicles > 35 MPH : 848
 Percent of Vehicles > 35 MPH : 64.3%

Grand Total	40	5	29	98	725	1283	391	51	4	0	0	0	0	0	2626
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Overall
 15th Percentile : 31 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 1856
 Percent in Pace : 70.7%
 Number of Vehicles > 35 MPH : 1729
 Percent of Vehicles > 35 MPH : 65.8%

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SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/29/1																
3	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	4
04:00	0	0	0	2	1	8	2	1	0	0	0	0	0	0	0	14
05:00	1	1	0	0	10	18	12	1	0	0	0	0	0	0	0	43
06:00	0	1	0	1	27	36	17	0	0	0	0	0	0	0	0	82
07:00	1	0	1	4	23	53	17	4	0	0	0	0	0	0	0	103
08:00	3	0	2	4	23	34	17	1	0	0	0	0	0	0	0	84
09:00	1	1	0	7	21	21	6	3	0	0	0	0	0	0	0	60
10:00	0	1	0	6	23	24	7	3	0	0	0	0	0	0	0	64
11:00	0	0	1	4	22	20	12	1	0	1	0	0	0	0	0	61
12 PM	2	1	1	4	14	25	6	0	2	0	0	0	0	0	0	55
13:00	3	1	1	2	17	21	8	2	0	0	0	0	0	0	0	55
14:00	2	0	0	5	16	39	15	1	1	0	0	0	0	0	0	79
15:00	0	0	1	4	23	41	20	0	0	0	0	0	0	0	0	89
16:00	2	0	0	4	20	50	26	4	1	0	0	0	0	0	0	107
17:00	2	1	2	7	30	51	38	4	1	0	0	1	0	0	0	137
18:00	1	0	0	5	25	33	15	1	0	0	0	0	0	0	0	80
19:00	0	1	0	3	13	20	10	0	0	0	0	0	0	0	0	47
20:00	1	0	0	5	11	16	7	3	0	0	0	0	0	0	0	43
21:00	0	0	0	1	7	4	4	0	0	0	0	0	0	0	0	16
22:00	0	0	0	0	5	9	3	1	0	0	0	0	0	0	0	18
23:00	1	0	0	0	3	9	1	0	0	0	0	0	0	0	0	14
Total	20	8	9	69	340	534	247	30	5	1	0	1	0	0	0	1264

Daily

15th Percentile :	30 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	36 MPH
10 MPH Pace Speed :	33-42 MPH
Number in Pace :	824
Percent in Pace :	65.2%
Number of Vehicles > 35 MPH :	818
Percent of Vehicles > 35 MPH :	64.7%

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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
10/30/13	0	0	0	0	2	3	2	0	0	0	0	0	0	0	7
01:00	0	0	0	0	0	3	0	2	0	0	0	0	0	0	5
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	2	2	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	6	4	4	1	0	0	0	0	0	0	15
05:00	0	0	0	2	12	23	8	0	0	0	0	0	0	0	45
06:00	0	0	0	4	19	40	17	1	0	0	0	0	0	0	81
07:00	1	1	1	3	24	48	18	5	0	0	0	0	0	0	101
08:00	1	0	3	5	25	31	13	4	1	0	0	0	0	0	83
09:00	0	0	0	4	23	21	4	1	0	0	0	0	0	0	53
10:00	1	0	0	4	16	18	5	0	0	0	0	0	0	0	44
11:00	1	1	1	6	15	20	7	0	0	0	0	0	0	0	51
12 PM	1	1	1	11	16	28	10	1	0	0	0	0	0	0	69
13:00	2	2	0	6	19	23	7	0	0	0	0	0	0	0	59
14:00	2	0	1	5	18	33	9	4	0	0	0	0	0	0	72
15:00	1	0	0	3	19	35	23	3	1	0	0	0	0	0	85
16:00	1	0	0	3	27	45	30	1	0	0	0	0	0	0	107
17:00	4	0	1	8	40	58	16	1	0	0	0	0	0	0	128
18:00	1	0	0	3	29	40	9	1	0	0	0	0	0	0	83
19:00	0	0	0	3	19	17	13	0	0	1	0	0	0	0	53
20:00	0	0	0	8	15	23	10	1	0	0	0	0	0	0	57
21:00	1	0	0	1	10	5	4	0	0	0	0	0	0	0	21
22:00	0	0	0	1	4	5	2	0	1	0	0	0	0	0	13
23:00	1	0	0	0	7	5	1	2	0	0	0	0	0	0	16
Total	18	5	8	80	367	530	212	28	3	1	0	0	0	0	1252

Daily
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 831
 Percent in Pace : 66.4%
 Number of Vehicles > 35 MPH : 774
 Percent of Vehicles > 35 MPH : 61.8%

Grand Total	38	13	17	149	707	1064	459	58	8	2	0	1	0	0	2516
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Overall
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 1651
 Percent in Pace : 65.6%
 Number of Vehicles > 35 MPH : 1592
 Percent of Vehicles > 35 MPH : 63.3%

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 Franklin St, at East Bridgewater T/L

NB, SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	Total
10/29/1															
3	0	0	0	1	1	3	4	1	0	0	0	0	0	0	10
01:00	0	0	0	1	4	2	1	0	0	0	0	0	0	0	8
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	3	3	2	0	0	0	0	0	0	0	8
04:00	0	0	0	2	3	14	3	2	0	0	0	0	0	0	24
05:00	1	1	0	1	14	28	17	2	0	0	0	0	0	0	64
06:00	1	1	1	3	55	76	20	3	0	0	0	0	0	0	160
07:00	4	0	2	6	45	99	33	7	1	0	0	0	0	0	197
08:00	7	0	4	7	40	70	33	3	0	0	0	0	0	0	164
09:00	2	2	0	11	47	50	13	3	0	0	0	0	0	0	128
10:00	0	1	1	10	39	41	15	6	0	0	0	0	0	0	113
11:00	0	0	3	7	49	38	15	3	0	1	0	0	0	0	116
12 PM	3	1	4	7	34	65	17	0	2	0	0	0	0	0	133
13:00	5	1	2	5	37	61	14	5	0	0	0	0	0	0	130
14:00	8	0	3	7	30	81	27	2	1	0	0	0	0	0	159
15:00	0	0	1	8	41	88	46	2	1	0	0	0	0	0	187
16:00	3	0	2	7	45	118	52	9	1	0	0	0	0	0	237
17:00	5	1	4	7	73	127	53	5	1	0	0	1	0	0	277
18:00	1	0	0	7	43	85	29	1	0	0	0	0	0	0	166
19:00	0	1	0	8	31	49	18	1	0	0	0	0	0	0	108
20:00	1	0	0	6	22	38	13	3	0	0	0	0	0	0	83
21:00	0	0	0	1	10	16	10	0	1	0	0	0	0	0	38
22:00	1	0	0	0	9	16	7	1	0	0	0	0	0	0	34
23:00	1	0	0	0	5	17	3	0	0	0	0	0	0	0	26
Total	43	9	27	112	681	1185	445	59	8	1	0	1	0	0	2571

Daily

15th Percentile :	31 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	36 MPH
10 MPH Pace Speed :	33-42 MPH
Number in Pace :	1745
Percent in Pace :	67.9%
Number of Vehicles > 35 MPH :	1699
Percent of Vehicles > 35 MPH :	66.1%

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NB, SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/30/13	0	0	0	0	2	6	2	0	0	0	0	0	0	0	0	10
01:00	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	6
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	2	4	0	0	0	0	0	0	0	0	0	6
04:00	1	0	0	0	6	10	6	1	0	0	0	0	0	0	0	24
05:00	0	0	0	2	20	34	13	1	0	0	0	0	0	0	0	70
06:00	1	0	0	10	43	74	25	1	0	0	0	0	0	0	0	154
07:00	3	1	2	3	52	93	37	9	1	0	0	0	0	0	0	201
08:00	3	0	3	10	45	75	28	6	1	0	0	0	0	0	0	171
09:00	0	0	0	7	41	51	21	2	0	0	0	0	0	0	0	122
10:00	2	0	2	6	36	46	12	1	0	0	0	0	0	0	0	105
11:00	3	2	2	8	33	40	20	2	0	0	0	0	0	0	0	110
12 PM	1	3	2	18	34	54	19	2	0	0	0	0	0	0	0	133
13:00	2	2	2	10	27	46	23	1	0	0	0	0	0	0	0	113
14:00	4	0	3	8	30	75	22	6	0	0	0	0	0	0	0	148
15:00	1	0	1	8	48	98	34	7	1	0	0	0	0	0	0	198
16:00	2	0	1	8	65	95	42	2	0	0	0	0	0	0	0	215
17:00	5	0	1	12	83	133	29	1	0	0	0	0	0	0	0	264
18:00	3	1	0	4	73	97	18	1	0	0	0	0	0	0	0	197
19:00	1	0	0	8	39	47	21	1	0	1	0	0	0	0	0	118
20:00	0	0	0	11	29	38	18	1	0	0	0	0	0	0	0	97
21:00	1	0	0	1	20	13	6	1	0	0	0	0	0	0	0	42
22:00	1	0	0	1	11	16	5	0	1	0	0	0	0	0	0	35
23:00	1	0	0	0	11	13	4	2	0	0	0	0	0	0	0	31
Total	35	9	19	135	751	1162	405	50	4	1	0	0	0	0	0	2571

Daily
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 1767
 Percent in Pace : 68.7%
 Number of Vehicles > 35 MPH : 1622
 Percent of Vehicles > 35 MPH : 63.1%

Grand Total	78	18	46	247	1432	2347	850	109	12	2	0	1	0	0	0	5142
--------------------	-----------	-----------	-----------	------------	-------------	-------------	------------	------------	-----------	----------	----------	----------	----------	----------	----------	-------------

Overall
 15th Percentile : 30 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 32-41 MPH
 Number in Pace : 3507
 Percent in Pace : 68.2%
 Number of Vehicles > 35 MPH : 3321
 Percent of Vehicles > 35 MPH : 64.6%

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

Community: Hanson
 Com#_UR/FC: 123_U5
 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
01:00	0	4	0	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	4	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	0	8	1	0	0	0	0	1	0	0	0	0	0	10	1
05:00	0	10	9	1	1	0	0	0	0	0	0	0	0	21	2
06:00	0	51	20	2	2	2	0	1	0	0	0	0	0	78	7
07:00	0	66	17	2	6	1	0	1	1	0	0	0	0	94	11
08:00	1	56	17	1	4	0	0	0	0	0	0	0	0	79	5
09:00	0	45	15	1	5	0	0	0	1	1	0	0	0	68	8
10:00	0	29	15	0	3	1	0	0	1	0	0	0	0	49	5
11:00	0	37	13	0	3	1	0	1	0	0	0	0	0	55	5
12 PM	0	54	21	0	1	1	0	0	1	0	0	0	0	78	3
13:00	1	49	21	0	3	0	0	0	1	0	0	0	0	75	4
14:00	2	50	22	1	3	0	0	0	0	0	0	0	0	78	4
15:00	0	68	21	2	6	0	0	0	1	0	0	0	0	98	9
16:00	1	95	29	0	4	1	0	0	0	0	0	0	0	130	5
17:00	0	101	29	0	7	0	0	2	0	0	0	0	0	139	9
18:00	0	61	25	0	0	0	0	0	0	0	0	0	0	86	0
19:00	0	44	15	0	2	0	0	0	0	0	0	0	0	61	2
20:00	0	32	8	0	0	0	0	0	0	0	0	0	0	40	0
21:00	0	17	4	0	1	0	0	0	0	0	0	0	0	22	1
22:00	0	10	5	0	1	0	0	0	0	0	0	0	0	16	1
23:00	0	10	1	0	1	0	0	0	0	0	0	0	0	12	1
Total	5	906	309	10	53	7	0	6	6	1	0	0	0	1303	83
Percent	0.4%	69.5%	23.7%	0.8%	4.1%	0.5%	0.0%	0.5%	0.5%	0.1%	0.0%	0.0%	0.0%		6.4%
AM Peak Vol.	08:00	07:00	06:00	06:00	07:00	06:00		04:00	07:00	09:00				07:00	07:00
PM Peak Vol.	14:00	17:00	16:00	15:00	17:00	12:00		17:00	12:00					17:00	15:00
Vol.	2	101	29	2	7	1		2	1					139	9

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Community: Hanson
 Com#_UR/FC: 123_U5
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/30/1															
3	0	2	1	0	0	0	0	0	0	0	0	0	0	3	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	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	5	4	0	0	0	0	0	0	0	0	0	0	9	0
05:00	0	14	9	0	2	0	0	0	0	0	0	0	0	25	2
06:00	0	51	16	1	4	0	0	1	0	0	0	0	0	73	6
07:00	0	70	22	2	5	1	0	0	0	0	0	0	0	100	8
08:00	1	63	18	2	3	0	0	0	1	0	0	0	0	88	6
09:00	0	41	20	0	6	0	0	1	1	0	0	0	0	69	8
10:00	0	41	16	0	1	3	0	0	0	0	0	0	0	61	4
11:00	0	33	23	0	3	0	0	0	0	0	0	0	0	59	3
12 PM	0	42	12	2	3	0	0	3	2	0	0	0	0	64	10
13:00	0	33	12	0	9	0	0	0	0	0	0	0	0	54	9
14:00	0	49	19	2	3	0	0	2	0	0	0	0	0	75	7
15:00	1	77	26	1	6	0	0	2	0	0	0	0	0	113	9
16:00	0	75	24	0	7	0	0	1	1	0	0	0	0	108	9
17:00	1	102	25	0	7	0	0	1	0	0	0	0	0	136	8
18:00	1	89	23	0	1	0	0	0	0	0	0	0	0	114	1
19:00	1	50	11	0	3	0	0	0	0	0	0	0	0	65	3
20:00	0	33	5	0	2	0	0	0	0	0	0	0	0	40	2
21:00	0	19	1	0	1	0	0	0	0	0	0	0	0	21	1
22:00	0	17	5	0	0	0	0	0	0	0	0	0	0	22	0
23:00	0	11	4	0	0	0	0	0	0	0	0	0	0	15	0
Total	5	921	296	10	66	4	0	11	5	0	0	0	0	1318	96
Percent	0.4%	69.9%	22.5%	0.8%	5.0%	0.3%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%		7.3%
AM Peak Vol.	1	70	23	2	6	3		1	1					100	8
PM Peak Vol.	1	102	26	2	9			3	2					136	10
Grand Total	10	1827	605	20	119	11	0	17	11	1	0	0	0	2621	179
Percent	0.4%	69.7%	23.1%	0.8%	4.5%	0.4%	0.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%		6.8%

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Community: Hanson
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 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	0	9	4	0	1	0	0	0	0	0	0	0	0	14	1
05:00	0	20	15	0	8	0	0	0	0	0	0	0	0	43	8
06:00	0	48	23	0	10	1	0	0	0	0	0	0	0	82	11
07:00	2	78	17	2	4	0	0	0	0	0	0	0	0	103	6
08:00	1	47	22	1	10	0	0	1	1	0	0	0	0	83	13
09:00	0	39	14	2	4	0	0	0	1	0	0	0	0	60	7
10:00	0	41	16	1	6	0	0	0	0	0	0	0	0	64	7
11:00	0	39	16	1	3	1	0	0	1	0	0	0	0	61	6
12 PM	0	42	11	0	2	0	0	0	0	0	0	0	0	55	2
13:00	0	34	13	0	5	1	0	1	0	0	0	0	0	54	7
14:00	0	54	16	2	6	0	0	0	1	0	0	0	0	79	9
15:00	0	58	22	1	7	0	0	0	1	0	0	0	0	89	9
16:00	0	75	22	0	7	0	0	3	0	0	0	0	0	107	10
17:00	1	87	36	0	9	1	0	2	0	0	0	0	0	136	12
18:00	0	58	14	0	8	0	0	0	0	0	0	0	0	80	8
19:00	1	36	8	0	2	0	0	0	0	0	0	0	0	47	2
20:00	0	33	6	0	4	0	0	0	0	0	0	0	0	43	4
21:00	0	15	1	0	0	0	0	0	0	0	0	0	0	16	0
22:00	0	13	3	0	2	0	0	0	0	0	0	0	0	18	2
23:00	0	13	1	0	0	0	0	0	0	0	0	0	0	14	0
Total	5	852	280	10	98	4	0	7	5	0	0	0	0	1261	124
Percent	0.4%	67.6%	22.2%	0.8%	7.8%	0.3%	0.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%		9.8%
AM Peak	07:00	07:00	06:00	07:00	06:00	06:00		08:00	08:00					07:00	08:00
Vol.	2	78	23	2	10	1		1	1					103	13
PM Peak	17:00	17:00	17:00	14:00	17:00	13:00		16:00	14:00					17:00	17:00
Vol.	1	87	36	2	9	1		3	1					136	12

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Community: Hanson
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 Recorder #: 22505
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/30/1															
3	0	7	0	0	0	0	0	0	0	0	0	0	0	7	0
01:00	0	3	1	0	1	0	0	0	0	0	0	0	0	5	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	1	11	3	0	0	0	0	0	0	0	0	0	0	15	0
05:00	0	24	15	0	6	0	0	0	0	0	0	0	0	45	6
06:00	0	51	26	0	4	0	0	0	0	0	0	0	0	81	4
07:00	0	69	22	2	7	0	0	1	0	0	0	0	0	101	10
08:00	0	50	18	3	11	0	0	0	1	0	0	0	0	83	15
09:00	0	33	13	0	6	1	0	0	0	0	0	0	0	53	7
10:00	0	29	8	0	4	1	0	1	1	0	0	0	0	44	7
11:00	0	34	12	1	3	0	0	1	0	0	0	0	0	51	5
12 PM	0	41	17	4	5	0	0	2	0	0	0	0	0	69	11
13:00	1	30	18	1	8	1	0	0	0	0	0	0	0	59	10
14:00	0	50	12	3	5	0	0	1	0	0	0	0	0	71	9
15:00	0	53	23	1	7	0	0	1	0	0	0	0	0	85	9
16:00	0	79	23	0	3	0	0	2	0	0	0	0	0	107	5
17:00	0	92	26	0	8	0	0	2	0	0	0	0	0	128	10
18:00	0	51	23	0	9	0	0	0	0	0	0	0	0	83	9
19:00	1	31	12	0	8	1	0	0	0	0	0	0	0	53	9
20:00	0	42	14	0	1	0	0	0	0	0	0	0	0	57	1
21:00	0	17	4	0	0	0	0	0	0	0	0	0	0	21	0
22:00	1	6	6	0	0	0	0	0	0	0	0	0	0	13	0
23:00	0	13	3	0	0	0	0	0	0	0	0	0	0	16	0
Total	4	820	299	15	96	4	0	11	2	0	0	0	0	1251	128
Percent	0.3%	65.5%	23.9%	1.2%	7.7%	0.3%	0.0%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%		10.2%
AM Peak Vol.	04:00	07:00	06:00	08:00	08:00	09:00		07:00	08:00					07:00	08:00
PM Peak Vol.	13:00	17:00	17:00	12:00	18:00	13:00		12:00						17:00	12:00
Grand Total Percent	9	1672	579	25	194	8	0	18	7	0	0	0	0	2512	252
	0.4%	66.6%	23.0%	1.0%	7.7%	0.3%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%		10.0%

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Community: Hanson
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St, at East Bridgewater T/L

NB, SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
01:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
04:00	0	17	5	0	1	0	0	1	0	0	0	0	0	24	2
05:00	0	30	24	1	9	0	0	0	0	0	0	0	0	64	10
06:00	0	99	43	2	12	3	0	1	0	0	0	0	0	160	18
07:00	2	144	34	4	10	1	0	1	1	0	0	0	0	197	17
08:00	2	103	39	2	14	0	0	1	1	0	0	0	0	162	18
09:00	0	84	29	3	9	0	0	0	2	1	0	0	0	128	15
10:00	0	70	31	1	9	1	0	0	1	0	0	0	0	113	12
11:00	0	76	29	1	6	2	0	1	1	0	0	0	0	116	11
12 PM	0	96	32	0	3	1	0	0	1	0	0	0	0	133	5
13:00	1	83	34	0	8	1	0	1	1	0	0	0	0	129	11
14:00	2	104	38	3	9	0	0	0	1	0	0	0	0	157	13
15:00	0	126	43	3	13	0	0	0	2	0	0	0	0	187	18
16:00	1	170	51	0	11	1	0	3	0	0	0	0	0	237	15
17:00	1	188	65	0	16	1	0	4	0	0	0	0	0	275	21
18:00	0	119	39	0	8	0	0	0	0	0	0	0	0	166	8
19:00	1	80	23	0	4	0	0	0	0	0	0	0	0	108	4
20:00	0	65	14	0	4	0	0	0	0	0	0	0	0	83	4
21:00	0	32	5	0	1	0	0	0	0	0	0	0	0	38	1
22:00	0	23	8	0	3	0	0	0	0	0	0	0	0	34	3
23:00	0	23	2	0	1	0	0	0	0	0	0	0	0	26	1
Total	10	1758	589	20	151	11	0	13	11	1	0	0	0	2564	207
Percent	0.4%	68.6%	23.0%	0.8%	5.9%	0.4%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		8.1%
AM Peak	07:00	07:00	06:00	07:00	08:00	06:00		04:00	09:00	09:00				07:00	06:00
Vol.	2	144	43	4	14	3		1	2	1				197	18
PM Peak	14:00	17:00	17:00	14:00	17:00	12:00		17:00	15:00					17:00	17:00
Vol.	2	188	65	3	16	1		4	2					275	21

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Station ID:
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10/30/1															
3	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
01:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
04:00	1	16	7	0	0	0	0	0	0	0	0	0	0	24	0
05:00	0	38	24	0	8	0	0	0	0	0	0	0	0	70	8
06:00	0	102	42	1	8	0	0	1	0	0	0	0	0	154	10
07:00	0	139	44	4	12	1	0	1	0	0	0	0	0	201	18
08:00	1	113	36	5	14	0	0	0	2	0	0	0	0	171	21
09:00	0	74	33	0	12	1	0	1	1	0	0	0	0	122	15
10:00	0	70	24	0	5	4	0	1	1	0	0	0	0	105	11
11:00	0	67	35	1	6	0	0	1	0	0	0	0	0	110	8
12 PM	0	83	29	6	8	0	0	5	2	0	0	0	0	133	21
13:00	1	63	30	1	17	1	0	0	0	0	0	0	0	113	19
14:00	0	99	31	5	8	0	0	3	0	0	0	0	0	146	16
15:00	1	130	49	2	13	0	0	3	0	0	0	0	0	198	18
16:00	0	154	47	0	10	0	0	3	1	0	0	0	0	215	14
17:00	1	194	51	0	15	0	0	3	0	0	0	0	0	264	18
18:00	1	140	46	0	10	0	0	0	0	0	0	0	0	197	10
19:00	2	81	23	0	11	1	0	0	0	0	0	0	0	118	12
20:00	0	75	19	0	3	0	0	0	0	0	0	0	0	97	3
21:00	0	36	5	0	1	0	0	0	0	0	0	0	0	42	1
22:00	1	23	11	0	0	0	0	0	0	0	0	0	0	35	0
23:00	0	24	7	0	0	0	0	0	0	0	0	0	0	31	0
Total	9	1741	595	25	162	8	0	22	7	0	0	0	0	2569	224
Percent	0.4%	67.8%	23.2%	1.0%	6.3%	0.3%	0.0%	0.9%	0.3%	0.0%	0.0%	0.0%	0.0%		8.7%
AM Peak Vol.	1	139	44	5	14	4		1	2					201	21
PM Peak Vol.	2	194	51	6	17	1		5	2					264	21
Grand Total Percent	0.4%	68.2%	23.1%	0.9%	6.1%	0.4%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%		8.4%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

Start Time	28-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	*	*	18	22	12	26	*	*	*	*	*	*	*	*	15	24
01:00	*	*	4	14	8	9	*	*	*	*	*	*	*	*	6	12
02:00	*	*	6	2	7	6	*	*	*	*	*	*	*	*	6	4
03:00	*	*	16	9	10	8	*	*	*	*	*	*	*	*	13	8
04:00	*	*	57	18	53	12	*	*	*	*	*	*	*	*	55	15
05:00	*	*	178	53	155	53	*	*	*	*	*	*	*	*	166	53
06:00	*	*	393	171	401	162	*	*	*	*	*	*	*	*	397	166
07:00	*	*	477	224	471	206	*	*	*	*	*	*	*	*	474	215
08:00	*	*	406	228	466	212	*	*	*	*	*	*	*	*	436	220
09:00	*	*	282	219	266	194	*	*	*	*	*	*	*	*	274	206
10:00	*	*	281	272	235	217	*	*	*	*	*	*	*	*	258	244
11:00	*	*	215	221	200	243	*	*	*	*	*	*	*	*	208	232
12:00 PM	*	*	228	238	224	245	*	*	*	*	*	*	*	*	226	242
01:00	*	*	289	347	259	271	*	*	*	*	*	*	*	*	274	309
02:00	*	*	287	364	245	323	*	*	*	*	*	*	*	*	266	344
03:00	*	*	330	451	299	380	*	*	*	*	*	*	*	*	314	416
04:00	*	*	334	525	279	513	*	*	*	*	*	*	*	*	306	519
05:00	*	*	293	474	294	477	*	*	*	*	*	*	*	*	294	476
06:00	*	*	225	340	240	317	*	*	*	*	*	*	*	*	232	328
07:00	*	*	160	231	153	214	*	*	*	*	*	*	*	*	156	222
08:00	*	*	107	185	129	180	*	*	*	*	*	*	*	*	118	182
09:00	*	*	99	111	85	91	*	*	*	*	*	*	*	*	92	101
10:00	*	*	57	73	54	79	*	*	*	*	*	*	*	*	56	76
11:00	*	*	56	55	45	58	*	*	*	*	*	*	*	*	50	56
Total Day	0	0	4798	4847	4590	4496	0	0	0	0	0	0	0	0	4692	4670
AM Peak	-	-	07:00	10:00	07:00	11:00	-	-	-	-	-	-	-	-	07:00	10:00
Vol.	-	-	477	272	471	243	-	-	-	-	-	-	-	-	474	244
PM Peak	-	-	16:00	16:00	15:00	16:00	-	-	-	-	-	-	-	-	15:00	16:00
Vol.	-	-	334	525	299	513	-	-	-	-	-	-	-	-	314	519

Comb. Total 0 9645 9086 0 0 0 0 9362

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

Start Time	29-Oct-13 Tue		NB		SB		Combined		30-Oct- 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	4	58	10	62	14	120			3	53	8	63	11	116	
12:15	7	60	4	62	11	122			5	59	9	63	14	122	
12:30	3	53	4	60	7	113			2	56	3	60	5	116	
12:45	4	57	4	54	8	111			2	56	6	59	8	115	
01:00	1	74	6	66	7	140			3	83	5	56	8	139	
01:15	1	61	3	80	4	141			1	56	2	70	3	126	
01:30	1	85	3	92	4	177			2	69	0	73	2	142	
01:45	1	69	2	109	3	178			2	51	2	72	4	123	
02:00	2	63	0	84	2	147			3	46	1	67	4	113	
02:15	3	83	0	92	3	175			1	55	1	78	2	133	
02:30	1	69	2	85	3	154			1	68	1	90	2	158	
02:45	0	72	0	103	0	175			2	76	3	88	5	164	
03:00	1	84	2	107	3	191			0	77	2	78	2	155	
03:15	2	92	1	114	3	206			0	85	0	96	0	181	
03:30	5	69	2	115	7	184			1	66	3	99	4	165	
03:45	8	85	4	115	12	200			9	71	3	107	12	178	
04:00	5	88	2	113	7	201			4	66	0	103	4	169	
04:15	10	81	4	155	14	236			11	86	4	136	15	222	
04:30	14	94	5	130	19	224			13	67	2	134	15	201	
04:45	28	71	7	127	35	198			25	60	6	140	31	200	
05:00	35	84	9	118	44	202			31	84	10	139	41	223	
05:15	27	57	16	141	43	198			27	75	8	124	35	199	
05:30	44	81	11	116	55	197			37	75	14	102	51	177	
05:45	72	71	17	99	89	170			60	60	21	112	81	172	
06:00	54	63	26	97	80	160			70	58	21	95	91	153	
06:15	94	62	37	76	131	138			79	79	44	81	123	160	
06:30	116	54	46	93	162	147			131	57	38	69	169	126	
06:45	129	46	62	74	191	120			121	46	59	72	180	118	
07:00	110	46	63	68	173	114			115	52	44	51	159	103	
07:15	121	49	59	62	180	111			136	36	59	55	195	91	
07:30	127	35	57	57	184	92			122	39	55	49	177	88	
07:45	119	30	45	44	164	74			98	26	48	59	146	85	
08:00	117	28	58	43	175	71			124	40	55	47	179	87	
08:15	96	44	56	52	152	96			119	34	54	58	173	92	
08:30	90	20	56	37	146	57			118	30	48	41	166	71	
08:45	103	15	58	53	161	68			105	25	55	34	160	59	
09:00	77	31	60	30	137	61			76	28	51	20	127	48	
09:15	85	28	61	28	146	56			69	24	53	25	122	49	
09:30	63	15	54	28	117	43			63	15	46	27	109	42	
09:45	57	25	44	25	101	50			58	18	44	19	102	37	
10:00	81	19	65	22	146	41			71	11	44	23	115	34	
10:15	66	14	70	24	136	38			47	13	55	24	102	37	
10:30	78	15	65	18	143	33			61	14	63	20	124	34	
10:45	56	9	72	9	128	18			56	16	55	12	111	28	
11:00	47	15	58	13	105	28			50	6	62	17	112	23	
11:15	56	25	60	13	116	38			45	22	58	11	103	33	
11:30	67	11	53	13	120	24			46	9	67	16	113	25	
11:45	45	5	50	16	95	21			59	8	56	14	115	22	
Total	2333	2465	1453	3394	3786	5859			2284	2306	1348	3148	3632	5454	
Day Total		4798		4847		9645				4590		4496		9086	
% Total		24.2%	25.6%	15.1%	35.2%					25.1%	25.4%	14.8%	34.6%		
Peak	-	06:45	03:45	10:00	04:15	06:45	03:45	-	06:30	02:30	11:00	04:15	06:45	04:15	
Vol.	-	487	348	272	530	728	861	-	503	306	243	549	711	846	
P.H.F.		0.944	0.926	0.944	0.855	0.953	0.912		0.925	0.900	0.907	0.980	0.912	0.948	

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

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

Start Time	28-Oct-13 Mon	29-Oct-13 Tue	30-Oct-13 Wed	31-Oct-13 Thu	01-Nov-13 Fri	02-Nov-13 Sat	03-Nov-13 Sun	Week Average
12:00 AM	*	40	38	*	*	*	*	39
01:00	*	18	17	*	*	*	*	18
02:00	*	8	13	*	*	*	*	10
03:00	*	25	18	*	*	*	*	22
04:00	*	75	65	*	*	*	*	70
05:00	*	231	208	*	*	*	*	220
06:00	*	564	563	*	*	*	*	564
07:00	*	701	677	*	*	*	*	689
08:00	*	634	678	*	*	*	*	656
09:00	*	501	460	*	*	*	*	480
10:00	*	553	452	*	*	*	*	502
11:00	*	436	443	*	*	*	*	440
12:00 PM	*	466	469	*	*	*	*	468
01:00	*	636	530	*	*	*	*	583
02:00	*	651	568	*	*	*	*	610
03:00	*	781	679	*	*	*	*	730
04:00	*	859	792	*	*	*	*	826
05:00	*	767	771	*	*	*	*	769
06:00	*	565	557	*	*	*	*	561
07:00	*	391	367	*	*	*	*	379
08:00	*	292	309	*	*	*	*	300
09:00	*	210	176	*	*	*	*	193
10:00	*	130	133	*	*	*	*	132
11:00	*	111	103	*	*	*	*	107
Total	0	9645	9086	0	0	0	0	9368
Percentage	0.0%	103.0%	97.0%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	08:00	-	-	-	-	07:00
Vol.	-	701	678	-	-	-	-	689
PM Peak	-	16:00	16:00	-	-	-	-	16:00
Vol.	-	859	792	-	-	-	-	826

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/29/1																
3	0	0	0	0	0	3	8	5	1	1	0	0	0	0	0	18
01:00	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	4
02:00	0	0	0	0	0	0	2	3	0	0	1	0	0	0	0	6
03:00	0	0	0	0	1	2	7	4	2	0	0	0	0	0	0	16
04:00	0	0	0	0	0	11	23	15	5	3	0	0	0	0	0	57
05:00	0	0	1	0	5	34	99	32	4	2	0	1	0	0	0	178
06:00	6	2	1	6	19	101	209	43	5	1	0	0	0	0	0	393
07:00	13	0	0	2	18	128	239	71	6	0	0	0	0	0	0	477
08:00	8	0	0	1	16	127	169	73	11	0	1	0	0	0	0	406
09:00	10	0	0	2	6	69	131	56	7	1	0	0	0	0	0	282
10:00	9	1	0	1	23	74	129	31	9	4	0	0	0	0	0	281
11:00	9	1	1	0	7	49	114	28	5	1	0	0	0	0	0	215
12 PM	9	0	1	1	5	48	101	54	8	1	0	0	0	0	0	228
13:00	10	0	3	3	18	99	106	46	4	0	0	0	0	0	0	289
14:00	16	0	1	1	7	67	141	44	9	1	0	0	0	0	0	287
15:00	10	0	0	6	21	92	134	56	9	2	0	0	0	0	0	330
16:00	16	0	1	0	8	72	159	72	6	0	0	0	0	0	0	334
17:00	14	0	1	1	16	84	129	40	8	0	0	0	0	0	0	293
18:00	9	0	2	0	20	64	93	33	4	0	0	0	0	0	0	225
19:00	4	0	2	0	9	39	71	32	3	0	0	0	0	0	0	160
20:00	2	0	1	1	3	37	48	11	3	1	0	0	0	0	0	107
21:00	4	6	1	0	0	27	46	11	4	0	0	0	0	0	0	99
22:00	1	0	0	0	1	11	26	14	4	0	0	0	0	0	0	57
23:00	0	0	0	0	1	7	26	15	4	0	0	2	1	0	0	56
Total	150	10	16	25	204	1246	2211	790	121	19	2	3	1	0	4798	

Daily

15th Percentile :	35 MPH
50th Percentile :	41 MPH
85th Percentile :	46 MPH
95th Percentile :	49 MPH

Mean Speed(Average) :	40 MPH
10 MPH Pace Speed :	38-47 MPH
Number in Pace :	3192
Percent in Pace :	66.5%
Number of Vehicles > 40 MPH :	3147
Percent of Vehicles > 40 MPH :	65.6%

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

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/30/13	0	0	0	0	0	0	5	6	0	1	0	0	0	0	12
01:00	0	0	0	0	1	3	2	0	2	0	0	0	0	0	8
02:00	0	0	0	0	1	1	4	1	0	0	0	0	0	0	7
03:00	0	0	0	0	0	2	6	0	2	0	0	0	0	0	10
04:00	0	0	0	0	2	8	18	15	7	1	1	1	0	0	53
05:00	0	1	0	0	7	30	82	31	3	1	0	0	0	0	155
06:00	13	1	1	3	26	117	190	40	9	1	0	0	0	0	401
07:00	5	0	3	0	19	161	218	60	4	1	0	0	0	0	471
08:00	10	0	1	0	29	150	212	55	9	0	0	0	0	0	466
09:00	9	1	1	0	7	74	114	44	11	5	0	0	0	0	266
10:00	7	1	0	1	7	76	99	39	2	2	1	0	0	0	235
11:00	8	0	0	0	9	50	90	36	6	1	0	0	0	0	200
12 PM	16	1	0	2	16	56	85	42	6	0	0	0	0	0	224
13:00	15	0	0	0	16	77	99	41	9	2	0	0	0	0	259
14:00	14	0	2	0	9	52	111	49	8	0	0	0	0	0	245
15:00	16	6	10	19	33	68	97	40	10	0	0	0	0	0	299
16:00	7	0	0	3	14	59	128	56	11	0	0	1	0	0	279
17:00	12	0	1	4	8	63	137	60	7	2	0	0	0	0	294
18:00	8	1	5	5	15	77	100	25	4	0	0	0	0	0	240
19:00	7	1	0	0	5	33	76	25	5	1	0	0	0	0	153
20:00	2	0	0	3	11	30	60	18	4	1	0	0	0	0	129
21:00	0	2	0	0	1	19	39	18	6	0	0	0	0	0	85
22:00	0	0	0	0	3	10	25	10	4	2	0	0	0	0	54
23:00	1	0	0	0	0	7	21	13	2	0	0	1	0	0	45
Total	150	15	24	40	239	1223	2018	724	131	21	2	3	0	0	4590

Daily
 15th Percentile : 34 MPH
 50th Percentile : 41 MPH
 85th Percentile : 46 MPH
 95th Percentile : 49 MPH
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 2968
 Percent in Pace : 64.7%
 Number of Vehicles > 40 MPH : 2899
 Percent of Vehicles > 40 MPH : 63.2%

Grand Total	300	25	40	65	443	2469	4229	1514	252	40	4	6	1	0	9388
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 46 MPH
 95th Percentile : 49 MPH
 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 6152
 Percent in Pace : 65.5%
 Number of Vehicles > 40 MPH : 6046
 Percent of Vehicles > 40 MPH : 64.4%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
10/29/1															
3	0	1	0	1	0	3	12	4	0	1	0	0	0	0	22
01:00	0	0	0	0	1	7	4	0	2	0	0	0	0	0	14
02:00	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	2	4	2	1	0	0	0	0	0	9
04:00	0	0	0	0	1	4	5	3	2	2	1	0	0	0	18
05:00	0	0	1	0	1	10	28	8	3	2	0	0	0	0	53
06:00	10	0	0	1	10	44	85	16	4	1	0	0	0	0	171
07:00	8	0	0	0	2	75	111	25	3	0	0	0	0	0	224
08:00	7	0	0	0	8	43	127	37	6	0	0	0	0	0	228
09:00	5	2	2	3	7	63	95	33	8	0	1	0	0	0	219
10:00	10	3	2	2	10	84	126	33	2	0	0	0	0	0	272
11:00	2	1	2	0	7	49	118	35	5	2	0	0	0	0	221
12 PM	7	0	1	2	8	63	113	37	7	0	0	0	0	0	238
13:00	5	0	4	3	6	95	175	57	2	0	0	0	0	0	347
14:00	14	0	0	2	13	101	166	58	9	1	0	0	0	0	364
15:00	15	0	1	0	15	120	244	54	2	0	0	0	0	0	451
16:00	16	3	0	9	13	163	257	63	1	0	0	0	0	0	525
17:00	10	0	3	5	13	142	250	46	5	0	0	0	0	0	474
18:00	7	1	2	0	7	126	172	20	4	1	0	0	0	0	340
19:00	3	0	4	0	6	68	115	35	0	0	0	0	0	0	231
20:00	2	0	1	0	2	53	102	21	3	1	0	0	0	0	185
21:00	1	0	2	4	7	23	57	15	1	1	0	0	0	0	111
22:00	1	0	0	0	0	24	33	13	2	0	0	0	0	0	73
23:00	0	0	0	0	1	12	31	8	2	0	1	0	0	0	55
Total	123	11	25	32	138	1376	2430	623	74	12	3	0	0	0	4847

Daily

15th Percentile :	35 MPH
50th Percentile :	41 MPH
85th Percentile :	45 MPH
95th Percentile :	48 MPH

Mean Speed(Average) :	40 MPH
10 MPH Pace Speed :	37-46 MPH
Number in Pace :	3459
Percent in Pace :	71.4%
Number of Vehicles > 40 MPH :	3142
Percent of Vehicles > 40 MPH :	64.8%

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

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

SB

Start Time	1 15	16 20	21 25	26 30	31 35	36 40	41 45	46 50	51 55	56 60	61 65	66 70	71 75	76 999	Total
10/30/13	3	0	0	0	0	4	13	7	1	1	0	0	0	0	26
01:00	0	0	0	0	0	2	5	1	1	0	0	0	0	0	9
02:00	0	0	0	0	1	2	2	0	0	1	0	0	0	0	6
03:00	0	0	0	1	1	2	1	2	0	1	0	0	0	0	8
04:00	0	0	0	0	0	2	7	2	0	0	1	0	0	0	12
05:00	0	0	0	0	1	16	23	11	1	1	0	0	0	0	53
06:00	8	0	0	5	6	55	71	16	1	0	0	0	0	0	162
07:00	12	0	0	0	6	68	98	20	2	0	0	0	0	0	206
08:00	7	1	1	0	9	70	91	33	0	0	0	0	0	0	212
09:00	9	1	2	4	18	55	77	24	4	0	0	0	0	0	194
10:00	6	0	0	0	3	96	97	14	1	0	0	0	0	0	217
11:00	3	1	0	0	9	97	113	18	2	0	0	0	0	0	243
12 PM	4	1	1	0	11	80	112	30	5	0	0	0	1	0	245
13:00	9	0	3	3	15	93	106	37	4	1	0	0	0	0	271
14:00	10	0	1	0	9	74	172	52	3	2	0	0	0	0	323
15:00	10	1	2	16	32	115	146	53	5	0	0	0	0	0	380
16:00	7	0	5	7	13	119	293	64	5	0	0	0	0	0	513
17:00	12	0	3	1	22	122	265	50	2	0	0	0	0	0	477
18:00	9	0	1	0	7	114	156	29	1	0	0	0	0	0	317
19:00	5	0	0	0	1	69	110	26	2	0	0	1	0	0	214
20:00	3	2	0	1	6	63	82	21	2	0	0	0	0	0	180
21:00	1	1	1	1	1	30	38	14	4	0	0	0	0	0	91
22:00	0	0	0	0	4	28	27	14	6	0	0	0	0	0	79
23:00	1	0	0	0	0	17	24	9	4	2	0	0	0	1	58
Total	116	8	20	39	175	1393	2129	547	56	9	1	1	1	1	4496

Daily
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 3173
 Percent in Pace : 70.6%
 Number of Vehicles > 40 MPH : 2745
 Percent of Vehicles > 40 MPH : 61.1%

Grand Total	239	19	45	71	313	2769	4559	1170	130	21	4	1	1	1	9343
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 6632
 Percent in Pace : 71.0%
 Number of Vehicles > 40 MPH : 5887
 Percent of Vehicles > 40 MPH : 63.0%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central 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
10/29/1															
3	0	1	0	1	0	6	20	9	1	2	0	0	0	0	40
01:00	0	0	0	0	1	8	5	1	2	1	0	0	0	0	18
02:00	0	0	0	0	0	2	2	3	0	0	1	0	0	0	8
03:00	0	0	0	0	1	4	11	6	3	0	0	0	0	0	25
04:00	0	0	0	0	1	15	28	18	7	5	1	0	0	0	75
05:00	0	0	2	0	6	44	127	40	7	4	0	1	0	0	231
06:00	16	2	1	7	29	145	294	59	9	2	0	0	0	0	564
07:00	21	0	0	2	20	203	350	96	9	0	0	0	0	0	701
08:00	15	0	0	1	24	170	296	110	17	0	1	0	0	0	634
09:00	15	2	2	5	13	132	226	89	15	1	1	0	0	0	501
10:00	19	4	2	3	33	158	255	64	11	4	0	0	0	0	553
11:00	11	2	3	0	14	98	232	63	10	3	0	0	0	0	436
12 PM	16	0	2	3	13	111	214	91	15	1	0	0	0	0	466
13:00	15	0	7	6	24	194	281	103	6	0	0	0	0	0	636
14:00	30	0	1	3	20	168	307	102	18	2	0	0	0	0	651
15:00	25	0	1	6	36	212	378	110	11	2	0	0	0	0	781
16:00	32	3	1	9	21	235	416	135	7	0	0	0	0	0	859
17:00	24	0	4	6	29	226	379	86	13	0	0	0	0	0	767
18:00	16	1	4	0	27	190	265	53	8	1	0	0	0	0	565
19:00	7	0	6	0	15	107	186	67	3	0	0	0	0	0	391
20:00	4	0	2	1	5	90	150	32	6	2	0	0	0	0	292
21:00	5	6	3	4	7	50	103	26	5	1	0	0	0	0	210
22:00	2	0	0	0	1	35	59	27	6	0	0	0	0	0	130
23:00	0	0	0	0	2	19	57	23	6	0	1	2	1	0	111
Total	273	21	41	57	342	2622	4641	1413	195	31	5	3	1	0	9645

Daily

- 15th Percentile : 35 MPH
- 50th Percentile : 41 MPH
- 85th Percentile : 46 MPH
- 95th Percentile : 49 MPH

Mean Speed(Average) : 40 MPH

- 10 MPH Pace Speed : 37-46 MPH
- Number in Pace : 6643
- Percent in Pace : 68.9%
- Number of Vehicles > 40 MPH : 6289
- Percent of Vehicles > 40 MPH : 65.2%

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/30/13															
01:00	0	0	0	0	0	4	18	13	1	2	0	0	0	0	38
02:00	0	0	0	0	2	3	6	1	0	1	0	0	0	0	17
03:00	0	0	0	1	1	4	7	2	2	1	0	0	0	0	13
04:00	0	0	0	0	2	10	25	17	7	1	2	1	0	0	18
05:00	0	1	0	0	8	46	105	42	4	2	0	0	0	0	65
06:00	21	1	1	8	32	172	261	56	10	1	0	0	0	0	208
07:00	17	0	3	0	25	229	316	80	6	1	0	0	0	0	563
08:00	17	1	2	0	38	220	303	88	9	0	0	0	0	0	677
09:00	18	2	3	4	25	129	191	68	15	5	0	0	0	0	678
10:00	13	1	0	1	10	172	196	53	3	2	1	0	0	0	460
11:00	11	1	0	0	18	147	203	54	8	1	0	0	0	0	452
12 PM	20	2	1	2	27	136	197	72	11	0	0	0	1	0	443
13:00	24	0	3	3	31	170	205	78	13	3	0	0	0	0	469
14:00	24	0	3	0	18	126	283	101	11	2	0	0	0	0	530
15:00	26	7	12	35	65	183	243	93	15	0	0	0	0	0	568
16:00	14	0	5	10	27	178	421	120	16	0	0	1	0	0	679
17:00	24	0	4	5	30	185	402	110	9	2	0	0	0	0	792
18:00	17	1	6	5	22	191	256	54	5	0	0	0	0	0	771
19:00	12	1	0	0	6	102	186	51	7	1	0	1	0	0	557
20:00	5	2	0	4	17	93	142	39	6	1	0	0	0	0	367
21:00	1	3	1	1	2	49	77	32	10	0	0	0	0	0	309
22:00	0	0	0	0	7	38	52	24	10	2	0	0	0	0	176
23:00	2	0	0	0	0	24	45	22	6	2	0	1	0	1	133
Total	266	23	44	79	414	2616	4147	1271	187	30	3	4	1	1	9086

Daily

15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 6140
 Percent in Pace : 67.6%
 Number of Vehicles > 40 MPH : 5644
 Percent of Vehicles > 40 MPH : 62.1%

Grand Total	539	44	85	136	756	5238	8788	2684	382	61	8	7	2	1	18731
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Overall

15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 12783
 Percent in Pace : 68.2%
 Number of Vehicles > 40 MPH : 11933
 Percent of Vehicles > 40 MPH : 63.7%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	12	4	0	2	0	0	0	0	0	0	0	0	18	2
01:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	4	1	0	1	0	0	0	0	0	0	0	0	6	1
03:00	0	13	2	0	1	0	0	0	0	0	0	0	0	16	1
04:00	0	24	17	0	15	0	0	1	0	0	0	0	0	57	16
05:00	0	83	60	1	34	0	0	0	0	0	0	0	0	178	35
06:00	0	228	108	2	49	3	0	2	0	0	0	0	0	392	56
07:00	1	301	121	3	46	1	0	2	0	1	0	0	0	476	53
08:00	0	223	132	6	33	1	0	10	1	0	0	0	0	406	51
09:00	0	170	73	1	31	0	0	2	2	0	0	0	0	279	36
10:00	0	148	90	5	30	5	0	0	1	0	0	0	0	279	41
11:00	0	124	64	2	19	1	0	2	2	0	0	0	0	214	26
12 PM	0	122	67	1	32	2	0	1	1	0	0	0	0	226	37
13:00	0	166	81	4	34	0	0	2	0	0	0	0	0	287	40
14:00	0	156	91	5	27	3	0	3	2	0	0	0	0	287	40
15:00	3	189	96	7	31	0	0	3	0	0	0	0	0	329	41
16:00	3	174	105	1	44	1	0	2	1	0	0	0	0	331	49
17:00	1	189	61	1	34	2	0	2	1	0	0	0	0	291	40
18:00	0	150	59	1	14	0	0	1	0	0	0	0	0	225	16
19:00	0	97	44	2	17	0	0	0	0	0	0	0	0	160	19
20:00	0	71	31	0	4	1	0	0	0	0	0	0	0	107	5
21:00	0	72	25	0	2	0	0	0	0	0	0	0	0	99	2
22:00	1	46	8	0	2	0	0	0	0	0	0	0	0	57	2
23:00	0	39	14	0	3	0	0	0	0	0	0	0	0	56	3
Total	9	2805	1354	42	505	20	0	33	11	1	0	0	0	4780	612
Percent	0.2%	58.7%	28.3%	0.9%	10.6%	0.4%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		12.8%
AM Peak	07:00	07:00	08:00	08:00	06:00	10:00		08:00	09:00	07:00				07:00	06:00
Vol.	1	301	132	6	49	5		10	2	1				476	56
PM Peak	15:00	15:00	16:00	15:00	16:00	14:00		14:00	14:00					16:00	16:00
Vol.	3	189	105	7	44	3		3	2					331	49

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/30/1															
3	0	6	4	0	2	0	0	0	0	0	0	0	0	12	2
01:00	0	6	0	0	2	0	0	0	0	0	0	0	0	8	2
02:00	0	6	1	0	0	0	0	0	0	0	0	0	0	7	0
03:00	0	7	2	0	1	0	0	0	0	0	0	0	0	10	1
04:00	0	23	18	0	11	0	0	0	1	0	0	0	0	53	12
05:00	0	75	52	1	25	0	0	0	2	0	0	0	0	155	28
06:00	1	241	103	2	47	3	0	2	0	0	0	0	0	399	54
07:00	0	295	122	4	45	2	0	1	1	1	0	0	0	471	54
08:00	2	268	143	5	39	3	0	3	3	0	0	0	0	466	53
09:00	1	142	90	0	25	3	0	3	0	0	0	0	0	264	31
10:00	0	123	66	2	38	0	0	3	3	0	0	0	0	235	46
11:00	0	103	58	3	30	2	0	0	4	0	0	0	0	200	39
12 PM	0	130	59	1	31	0	0	1	1	1	0	0	0	224	35
13:00	0	152	66	4	30	0	0	1	5	0	0	0	0	258	40
14:00	0	128	88	2	23	0	0	1	1	0	0	0	0	243	27
15:00	0	177	87	7	24	2	0	0	2	0	0	0	0	299	35
16:00	1	171	78	1	27	0	0	1	0	0	0	0	0	279	29
17:00	0	185	84	2	18	1	0	1	2	0	0	0	0	293	24
18:00	1	166	55	0	17	0	0	0	0	0	0	0	0	239	17
19:00	1	103	39	0	8	0	0	1	0	0	0	0	0	152	9
20:00	0	83	36	0	8	0	0	2	0	0	0	0	0	129	10
21:00	0	56	19	0	10	0	0	0	0	0	0	0	0	85	10
22:00	0	46	6	0	2	0	0	0	0	0	0	0	0	54	2
23:00	0	38	5	0	2	0	0	0	0	0	0	0	0	45	2
Total	7	2730	1281	34	465	16	0	20	25	2	0	0	0	4580	562
Percent	0.2%	59.6%	28.0%	0.7%	10.2%	0.3%	0.0%	0.4%	0.5%	0.0%	0.0%	0.0%	0.0%		12.3%
AM Peak	08:00	07:00	08:00	08:00	06:00	06:00		08:00	11:00	07:00				07:00	06:00
Vol.	2	295	143	5	47	3		3	4	1				471	54
PM Peak	16:00	17:00	14:00	15:00	12:00	15:00		20:00	13:00	12:00				15:00	13:00
Vol.	1	185	88	7	31	2		2	5	1				299	40
Grand Total	16	5535	2635	76	970	36	0	53	36	3	0	0	0	9360	1174
Percent	0.2%	59.1%	28.2%	0.8%	10.4%	0.4%	0.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%		12.5%

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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	18	4	0	0	0	0	0	0	0	0	0	0	22	0
01:00	0	10	3	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	8	0	0	1	0	0	0	0	0	0	0	0	9	1
04:00	0	13	4	1	0	0	0	0	0	0	0	0	0	18	1
05:00	0	40	10	1	1	0	0	0	1	0	0	0	0	53	3
06:00	0	123	35	4	6	2	0	0	0	0	0	0	0	170	12
07:00	2	156	43	3	15	2	0	1	2	0	0	0	0	224	23
08:00	1	143	60	7	10	2	0	1	3	0	0	0	0	227	23
09:00	0	153	53	3	7	2	0	0	0	0	0	0	0	218	12
10:00	1	172	78	1	15	0	0	1	2	0	0	0	0	270	19
11:00	1	144	57	3	12	2	0	0	2	0	0	0	0	221	19
12 PM	0	179	40	5	8	2	0	1	2	0	0	0	0	237	18
13:00	2	250	69	3	19	3	0	0	1	0	0	0	0	347	26
14:00	2	262	85	1	6	2	0	4	0	0	0	0	0	362	13
15:00	0	324	92	4	19	3	0	3	4	0	0	0	0	449	33
16:00	3	348	158	1	10	2	0	3	0	0	0	0	0	525	16
17:00	0	356	97	0	16	1	0	2	0	0	0	0	0	472	19
18:00	0	256	71	0	11	0	0	2	0	0	0	0	0	340	13
19:00	0	183	43	1	4	0	0	0	0	0	0	0	0	231	5
20:00	0	151	32	0	1	0	0	0	0	0	0	0	0	184	1
21:00	0	90	20	0	1	0	0	0	0	0	0	0	0	111	1
22:00	0	61	8	0	4	0	0	0	0	0	0	0	0	73	4
23:00	1	47	6	0	1	0	0	0	0	0	0	0	0	55	1
Total	13	3488	1069	38	168	23	0	18	17	0	0	0	0	4834	264
Percent	0.3%	72.2%	22.1%	0.8%	3.5%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		5.5%
AM Peak Vol.	07:00	10:00	10:00	08:00	07:00	06:00		07:00	08:00					10:00	07:00
PM Peak Vol.	16:00	17:00	16:00	12:00	13:00	13:00		14:00	15:00					16:00	15:00
	3	356	158	5	19	3		4	4					525	33

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/30/1															
3	0	22	4	0	0	0	0	0	0	0	0	0	0	26	0
01:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
03:00	0	7	0	0	1	0	0	0	0	0	0	0	0	8	1
04:00	0	8	3	1	0	0	0	0	0	0	0	0	0	12	1
05:00	0	38	11	1	2	0	0	0	1	0	0	0	0	53	4
06:00	1	112	35	5	8	0	0	0	1	0	0	0	0	162	14
07:00	1	149	40	2	10	1	0	0	1	0	0	0	0	204	14
08:00	1	140	47	5	13	2	0	1	2	0	0	0	0	211	23
09:00	0	133	47	2	6	3	0	1	1	0	0	0	0	193	13
10:00	0	135	61	3	13	3	0	1	1	0	0	0	0	217	21
11:00	1	157	64	5	9	0	0	1	5	0	0	0	0	242	20
12 PM	0	174	53	2	10	4	0	0	2	0	0	0	0	245	18
13:00	2	174	74	1	11	3	0	2	3	0	0	0	0	270	20
14:00	0	244	64	1	9	1	0	2	2	0	0	0	0	323	15
15:00	0	269	87	3	16	1	0	1	2	0	0	0	0	379	23
16:00	0	370	121	2	17	2	0	1	0	0	0	0	0	513	22
17:00	1	365	95	0	11	1	0	2	1	0	0	0	0	476	15
18:00	0	229	74	0	13	0	0	0	1	0	0	0	0	317	14
19:00	0	175	33	0	4	2	0	0	0	0	0	0	0	214	6
20:00	0	148	26	0	4	0	0	1	0	0	0	0	0	179	5
21:00	0	79	9	0	3	0	0	0	0	0	0	0	0	91	3
22:00	0	67	11	0	1	0	0	0	0	0	0	0	0	79	1
23:00	0	50	8	0	0	0	0	0	0	0	0	0	0	58	0
Total	7	3257	970	33	161	23	0	13	23	0	0	0	0	4487	253
Percent	0.2%	72.6%	21.6%	0.7%	3.6%	0.5%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak	06:00	11:00	11:00	06:00	08:00	09:00		08:00	11:00					11:00	08:00
Vol.	1	157	64	5	13	3		1	5					242	23
PM Peak	13:00	16:00	16:00	15:00	16:00	12:00		13:00	13:00					16:00	15:00
Vol.	2	370	121	3	17	4		2	3					513	23
Grand Total	20	6745	2039	71	329	46	0	31	40	0	0	0	0	9321	517
Percent	0.2%	72.4%	21.9%	0.8%	3.5%	0.5%	0.0%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%		5.5%

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

Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB, SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/29/1															
3	0	30	8	0	2	0	0	0	0	0	0	0	0	40	2
01:00	0	14	3	0	1	0	0	0	0	0	0	0	0	18	1
02:00	0	5	2	0	1	0	0	0	0	0	0	0	0	8	1
03:00	0	21	2	0	2	0	0	0	0	0	0	0	0	25	2
04:00	0	37	21	1	15	0	0	1	0	0	0	0	0	75	17
05:00	0	123	70	2	35	0	0	0	1	0	0	0	0	231	38
06:00	0	351	143	6	55	5	0	2	0	0	0	0	0	562	68
07:00	3	457	164	6	61	3	0	3	2	1	0	0	0	700	76
08:00	1	366	192	13	43	3	0	11	4	0	0	0	0	633	74
09:00	0	323	126	4	38	2	0	2	2	0	0	0	0	497	48
10:00	1	320	168	6	45	5	0	1	3	0	0	0	0	549	60
11:00	1	268	121	5	31	3	0	2	4	0	0	0	0	435	45
12 PM	0	301	107	6	40	4	0	2	3	0	0	0	0	463	55
13:00	2	416	150	7	53	3	0	2	1	0	0	0	0	634	66
14:00	2	418	176	6	33	5	0	7	2	0	0	0	0	649	53
15:00	3	513	188	11	50	3	0	6	4	0	0	0	0	778	74
16:00	6	522	263	2	54	3	0	5	1	0	0	0	0	856	65
17:00	1	545	158	1	50	3	0	4	1	0	0	0	0	763	59
18:00	0	406	130	1	25	0	0	3	0	0	0	0	0	565	29
19:00	0	280	87	3	21	0	0	0	0	0	0	0	0	391	24
20:00	0	222	63	0	5	1	0	0	0	0	0	0	0	291	6
21:00	0	162	45	0	3	0	0	0	0	0	0	0	0	210	3
22:00	1	107	16	0	6	0	0	0	0	0	0	0	0	130	6
23:00	1	86	20	0	4	0	0	0	0	0	0	0	0	111	4
Total	22	6293	2423	80	673	43	0	51	28	1	0	0	0	9614	876
Percent	0.2%	65.5%	25.2%	0.8%	7.0%	0.4%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		9.1%
AM Peak	07:00	07:00	08:00	08:00	07:00	06:00		08:00	08:00	07:00				07:00	07:00
Vol.	3	457	192	13	61	5		11	4	1				700	76
PM Peak	16:00	17:00	16:00	15:00	16:00	14:00		14:00	15:00					16:00	15:00
Vol.	6	545	263	11	54	5		7	4					856	74

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanson
 Com#_UR/FC: 123_U3
 Recorder #: 19645
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Franklin St (27), south of Central St

NB, SB

Start Time	Bikes	Cars & Trailers	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/30/1															
3	0	28	8	0	2	0	0	0	0	0	0	0	0	38	2
01:00	0	13	2	0	2	0	0	0	0	0	0	0	0	17	2
02:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13	0
03:00	0	14	2	0	2	0	0	0	0	0	0	0	0	18	2
04:00	0	31	21	1	11	0	0	0	1	0	0	0	0	65	13
05:00	0	113	63	2	27	0	0	0	3	0	0	0	0	208	32
06:00	2	353	138	7	55	3	0	2	1	0	0	0	0	561	68
07:00	1	444	162	6	55	3	0	1	2	1	0	0	0	675	68
08:00	3	408	190	10	52	5	0	4	5	0	0	0	0	677	76
09:00	1	275	137	2	31	6	0	4	1	0	0	0	0	457	44
10:00	0	258	127	5	51	3	0	4	4	0	0	0	0	452	67
11:00	1	260	122	8	39	2	0	1	9	0	0	0	0	442	59
12 PM	0	304	112	3	41	4	0	1	3	1	0	0	0	469	53
13:00	2	326	140	5	41	3	0	3	8	0	0	0	0	528	60
14:00	0	372	152	3	32	1	0	3	3	0	0	0	0	566	42
15:00	0	446	174	10	40	3	0	1	4	0	0	0	0	678	58
16:00	1	541	199	3	44	2	0	2	0	0	0	0	0	792	51
17:00	1	550	179	2	29	2	0	3	3	0	0	0	0	769	39
18:00	1	395	129	0	30	0	0	0	1	0	0	0	0	556	31
19:00	1	278	72	0	12	2	0	1	0	0	0	0	0	366	15
20:00	0	231	62	0	12	0	0	3	0	0	0	0	0	308	15
21:00	0	135	28	0	13	0	0	0	0	0	0	0	0	176	13
22:00	0	113	17	0	3	0	0	0	0	0	0	0	0	133	3
23:00	0	88	13	0	2	0	0	0	0	0	0	0	0	103	2
Total	14	5987	2251	67	626	39	0	33	48	2	0	0	0	9067	815
Percent	0.2%	66.0%	24.8%	0.7%	6.9%	0.4%	0.0%	0.4%	0.5%	0.0%	0.0%	0.0%	0.0%		9.0%
AM Peak Vol.	3	444	190	10	55	6		4	9	1				677	76
PM Peak Vol.	2	550	199	10	44	4		3	8	1				792	60
Grand Total	36	12280	4674	147	1299	82	0	84	76	3	0	0	0	18681	1691
Percent	0.2%	65.7%	25.0%	0.8%	7.0%	0.4%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		9.1%

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

Start Time	28-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	*	*	7	8	5	13	*	*	*	*	*	*	*	*	6	10
01:00	*	*	2	3	1	4	*	*	*	*	*	*	*	*	2	4
02:00	*	*	2	0	2	1	*	*	*	*	*	*	*	*	2	0
03:00	*	*	1	4	1	4	*	*	*	*	*	*	*	*	1	4
04:00	*	*	33	6	24	5	*	*	*	*	*	*	*	*	28	6
05:00	*	*	81	16	73	20	*	*	*	*	*	*	*	*	77	18
06:00	*	*	182	36	186	51	*	*	*	*	*	*	*	*	184	44
07:00	*	*	231	87	237	89	*	*	*	*	*	*	*	*	234	88
08:00	*	*	187	78	187	79	*	*	*	*	*	*	*	*	187	78
09:00	*	*	106	83	102	90	*	*	*	*	*	*	*	*	104	86
10:00	*	*	92	76	97	74	*	*	*	*	*	*	*	*	94	75
11:00	*	*	94	73	94	77	*	*	*	*	*	*	*	*	94	75
12:00 PM	*	*	99	73	89	99	*	*	*	*	*	*	*	*	94	86
01:00	*	*	87	116	84	91	*	*	*	*	*	*	*	*	86	104
02:00	*	*	91	136	112	128	*	*	*	*	*	*	*	*	102	132
03:00	*	*	123	183	117	171	*	*	*	*	*	*	*	*	120	177
04:00	*	*	120	211	100	212	*	*	*	*	*	*	*	*	110	212
05:00	*	*	115	257	106	246	*	*	*	*	*	*	*	*	110	252
06:00	*	*	88	146	114	163	*	*	*	*	*	*	*	*	101	154
07:00	*	*	72	107	80	115	*	*	*	*	*	*	*	*	76	111
08:00	*	*	35	78	41	93	*	*	*	*	*	*	*	*	38	86
09:00	*	*	21	46	23	42	*	*	*	*	*	*	*	*	22	44
10:00	*	*	11	34	12	31	*	*	*	*	*	*	*	*	12	32
11:00	*	*	8	16	10	25	*	*	*	*	*	*	*	*	9	20
Total Day	0	0	1888	1873	1897	1923	0	0	0	0	0	0	0	0	1893	1898
AM Peak	-	-	07:00	07:00	07:00	09:00	-	-	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	231	87	237	90	-	-	-	-	-	-	-	-	234	88
PM Peak	-	-	15:00	17:00	15:00	17:00	-	-	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	123	257	117	246	-	-	-	-	-	-	-	-	120	252

Comb. Total 0 3761 3820 0 0 0 0 3791

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

Start Time	29-Oct-13 Tue		NB		SB		Combined		30-Oct- 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	17	2	23	2	40	1	22	4	28	5	50			
12:15	3	21	4	21	7	42	4	16	3	21	7	37			
12:30	2	24	1	16	3	40	0	24	1	25	1	49			
12:45	2	37	1	13	3	50	0	27	5	25	5	52			
01:00	0	17	0	28	0	45	0	25	0	24	0	49			
01:15	1	20	2	27	3	47	1	18	1	18	2	36			
01:30	0	26	1	31	1	57	0	27	1	24	1	51			
01:45	1	24	0	30	1	54	0	14	2	25	2	39			
02:00	1	22	0	24	1	46	1	18	0	36	1	54			
02:15	1	24	0	30	1	54	0	32	0	29	0	61			
02:30	0	22	0	25	0	47	1	24	0	29	1	53			
02:45	0	23	0	57	0	80	0	38	1	34	1	72			
03:00	1	28	0	46	1	74	0	26	0	43	0	69			
03:15	0	29	1	42	1	71	0	28	2	34	2	62			
03:30	0	32	1	46	1	78	0	28	1	49	1	77			
03:45	0	34	2	49	2	83	1	35	1	45	2	80			
04:00	0	35	1	37	1	72	3	28	2	47	5	75			
04:15	6	22	0	66	6	88	6	24	0	52	6	76			
04:30	10	37	4	54	14	91	2	21	2	66	4	87			
04:45	17	26	1	54	18	80	13	27	1	47	14	74			
05:00	15	26	2	69	17	95	16	25	2	65	18	90			
05:15	13	20	4	74	17	94	10	30	5	57	15	87			
05:30	25	35	6	49	31	84	25	26	5	69	30	95			
05:45	28	34	4	65	32	99	22	25	8	55	30	80			
06:00	23	23	4	44	27	67	27	30	7	41	34	71			
06:15	55	33	9	43	64	76	49	31	9	54	58	85			
06:30	44	15	12	34	56	49	50	23	14	32	64	55			
06:45	60	17	11	25	71	42	60	30	21	36	81	66			
07:00	59	20	22	39	81	59	51	27	21	44	72	71			
07:15	46	23	14	32	60	55	55	20	17	21	72	41			
07:30	73	15	27	21	100	36	71	16	27	27	98	43			
07:45	53	14	24	15	77	29	60	17	24	23	84	40			
08:00	58	10	23	20	81	30	54	9	22	19	76	28			
08:15	50	11	19	29	69	40	44	15	20	29	64	44			
08:30	30	8	19	12	49	20	49	11	20	26	69	37			
08:45	49	6	17	17	66	23	40	6	17	19	57	25			
09:00	29	5	27	18	56	23	32	5	18	9	50	14			
09:15	27	5	27	6	54	11	30	6	28	14	58	20			
09:30	27	4	19	15	46	19	19	6	21	12	40	18			
09:45	23	7	10	7	33	14	21	6	23	7	44	13			
10:00	27	6	17	5	44	11	23	5	15	7	38	12			
10:15	19	1	16	11	35	12	25	0	17	8	42	8			
10:30	24	1	24	8	48	9	22	5	18	9	40	14			
10:45	22	3	19	10	41	13	27	2	24	7	51	9			
11:00	22	2	17	2	39	4	21	3	26	6	47	9			
11:15	25	4	16	5	41	9	22	4	15	5	37	9			
11:30	25	2	20	4	45	6	27	1	22	6	49	7			
11:45	22	0	20	5	42	5	24	2	14	8	38	10			
Total	1018	870	470	1403	1488	2273	1009	888	507	1416	1516	2304			
Day Total	1888		1873		3761		1897		1923		3820				
% Total	27.1%	23.1%	12.5%	37.3%			26.4%	23.2%	13.3%	37.1%					
Peak	-	06:45	03:15	07:30	05:00	07:30	05:00	-	07:15	02:15	07:30	05:00	07:15	05:00	
Vol.	-	238	130	93	257	327	372	-	240	120	93	246	330	352	
P.H.F.		0.815	0.929	0.861	0.868	0.818	0.939		0.845	0.789	0.861	0.891	0.842	0.926	

Old Colony Planning Council
70 School Street
Brockton, MA 02301
508-583-1833
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Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

Start Time	28-Oct-13 Mon	29-Oct-13 Tue	30-Oct-13 Wed	31-Oct-13 Thu	01-Nov-13 Fri	02-Nov-13 Sat	03-Nov-13 Sun	Week Average
12:00 AM	*	15	18	*	*	*	*	16
01:00	*	5	5	*	*	*	*	5
02:00	*	2	3	*	*	*	*	2
03:00	*	5	5	*	*	*	*	5
04:00	*	39	29	*	*	*	*	34
05:00	*	97	93	*	*	*	*	95
06:00	*	218	237	*	*	*	*	228
07:00	*	318	326	*	*	*	*	322
08:00	*	265	266	*	*	*	*	266
09:00	*	189	192	*	*	*	*	190
10:00	*	168	171	*	*	*	*	170
11:00	*	167	171	*	*	*	*	169
12:00 PM	*	172	188	*	*	*	*	180
01:00	*	203	175	*	*	*	*	189
02:00	*	227	240	*	*	*	*	234
03:00	*	306	288	*	*	*	*	297
04:00	*	331	312	*	*	*	*	322
05:00	*	372	352	*	*	*	*	362
06:00	*	234	277	*	*	*	*	256
07:00	*	179	195	*	*	*	*	187
08:00	*	113	134	*	*	*	*	124
09:00	*	67	65	*	*	*	*	66
10:00	*	45	43	*	*	*	*	44
11:00	*	24	35	*	*	*	*	30
Total	0	3761	3820	0	0	0	0	3793
Percentage	0.0%	99.2%	100.7%	0.0%	0.0%	0.0%	0.0%	
AM Peak	-	07:00	07:00	-	-	-	-	07:00
Vol.	-	318	326	-	-	-	-	322
PM Peak	-	17:00	17:00	-	-	-	-	17:00
Vol.	-	372	352	-	-	-	-	362

Old Colony Planning Council
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Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

NB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/29/1															
3	0	0	0	0	0	2	0	3	1	1	0	0	0	0	7
01:00	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
02:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
03:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	1	0	2	5	10	9	5	1	0	0	0	0	33
05:00	0	0	1	0	2	11	50	13	3	0	1	0	0	0	81
06:00	0	0	0	4	17	74	72	14	1	0	0	0	0	0	182
07:00	2	0	0	1	17	76	113	18	4	0	0	0	0	0	231
08:00	2	0	0	1	11	69	73	28	3	0	0	0	0	0	187
09:00	1	0	0	0	3	23	58	18	3	0	0	0	0	0	106
10:00	0	0	0	1	2	21	38	26	2	2	0	0	0	0	92
11:00	0	0	0	1	3	26	34	23	6	1	0	0	0	0	94
12 PM	2	1	0	0	3	25	38	25	4	1	0	0	0	0	99
13:00	1	0	1	5	3	17	39	18	3	0	0	0	0	0	87
14:00	0	0	0	0	9	25	27	25	5	0	0	0	0	0	91
15:00	1	0	2	2	8	36	45	24	4	1	0	0	0	0	123
16:00	1	0	0	0	4	35	52	25	3	0	0	0	0	0	120
17:00	5	0	0	0	8	45	42	13	2	0	0	0	0	0	115
18:00	2	0	0	1	5	26	40	12	2	0	0	0	0	0	88
19:00	0	0	0	4	4	24	26	11	1	2	0	0	0	0	72
20:00	0	0	0	0	2	17	12	3	1	0	0	0	0	0	35
21:00	1	0	0	0	1	11	3	4	0	0	0	1	0	0	21
22:00	0	0	0	0	2	4	3	2	0	0	0	0	0	0	11
23:00	1	0	0	0	1	1	5	0	0	0	0	0	0	0	8
Total	19	1	5	20	107	574	782	314	53	11	1	1	0	0	1888

Daily

15th Percentile :	35 MPH
50th Percentile :	41 MPH
85th Percentile :	46 MPH
95th Percentile :	50 MPH
Mean Speed(Average) :	41 MPH
10 MPH Pace Speed :	37-46 MPH
Number in Pace :	1256
Percent in Pace :	66.5%
Number of Vehicles > 40 MPH :	1162
Percent of Vehicles > 40 MPH :	61.5%

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

NB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/30/13	3	0	0	0	1	0	3	1	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	1	0	1	5	5	8	1	3	0	0	0	0	0	24
05:00	0	0	0	0	2	10	44	15	1	1	0	0	0	0	0	73
06:00	2	0	0	5	12	86	63	13	3	2	0	0	0	0	0	186
07:00	1	0	0	8	11	74	110	26	5	2	0	0	0	0	0	237
08:00	1	0	0	5	11	55	76	32	7	0	0	0	0	0	0	187
09:00	1	0	0	0	2	25	55	15	4	0	0	0	0	0	0	102
10:00	0	0	0	4	6	31	35	15	4	2	0	0	0	0	0	97
11:00	0	0	2	2	11	19	40	14	6	0	0	0	0	0	0	94
12 PM	1	0	0	0	4	19	33	19	11	2	0	0	0	0	0	89
13:00	1	0	0	2	1	16	32	28	4	0	0	0	0	0	0	84
14:00	1	0	0	0	8	22	54	22	3	2	0	0	0	0	0	112
15:00	2	1	1	2	8	20	55	21	5	2	0	0	0	0	0	117
16:00	3	0	1	1	1	27	36	23	8	0	0	0	0	0	0	100
17:00	1	0	0	0	2	28	54	15	5	1	0	0	0	0	0	106
18:00	4	0	6	1	14	36	43	7	3	0	0	0	0	0	0	114
19:00	1	0	0	2	8	24	36	7	0	2	0	0	0	0	0	80
20:00	1	0	0	0	6	12	17	3	1	1	0	0	0	0	0	41
21:00	1	0	0	0	1	7	7	5	2	0	0	0	0	0	0	23
22:00	0	0	0	0	0	5	4	3	0	0	0	0	0	0	0	12
23:00	0	0	0	0	0	1	7	1	0	0	0	1	0	0	0	10
Total	21	1	11	32	111	522	810	295	73	20	0	1	0	0	0	1897

Daily
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 46 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 1238
 Percent in Pace : 65.3%
 Number of Vehicles > 40 MPH : 1199
 Percent of Vehicles > 40 MPH : 63.2%

Grand Total	40	2	16	52	218	1096	1592	609	126	31	1	2	0	0	0	3785
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 41 MPH
 85th Percentile : 46 MPH
 95th Percentile : 50 MPH
 Mean Speed(Average) : 41 MPH
 10 MPH Pace Speed : 37-46 MPH
 Number in Pace : 2494
 Percent in Pace : 65.9%
 Number of Vehicles > 40 MPH : 2361
 Percent of Vehicles > 40 MPH : 62.4%

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/29/1																
3	0	0	0	0	1	3	3	0	0	0	1	0	0	0	0	8
01:00	0	0	0	0	1	1	1	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	1	0	1	2	0	0	0	0	0	0	0	0	4
04:00	0	0	0	0	0	3	2	0	0	1	0	0	0	0	0	6
05:00	0	0	0	1	2	4	6	2	1	0	0	0	0	0	0	16
06:00	0	0	0	1	9	12	10	3	1	0	0	0	0	0	0	36
07:00	4	0	1	1	19	32	28	2	0	0	0	0	0	0	0	87
08:00	2	0	1	1	12	35	24	2	1	0	0	0	0	0	0	78
09:00	0	0	0	2	14	39	19	7	0	2	0	0	0	0	0	83
10:00	1	0	0	1	11	37	24	2	0	0	0	0	0	0	0	76
11:00	3	0	0	0	7	34	25	3	1	0	0	0	0	0	0	73
12 PM	4	0	0	2	9	29	23	5	0	1	0	0	0	0	0	73
13:00	0	0	0	6	20	47	37	5	1	0	0	0	0	0	0	116
14:00	2	0	1	1	16	60	47	8	0	0	0	0	0	0	1	136
15:00	4	0	0	2	19	82	65	8	3	0	0	0	0	0	0	183
16:00	4	0	0	6	21	94	76	8	2	0	0	0	0	0	0	211
17:00	10	0	1	6	42	101	82	14	1	0	0	0	0	0	0	257
18:00	2	0	0	4	31	69	33	7	0	0	0	0	0	0	0	146
19:00	0	0	1	2	19	46	29	9	0	1	0	0	0	0	0	107
20:00	0	0	0	1	12	34	24	6	1	0	0	0	0	0	0	78
21:00	0	0	0	1	10	22	9	2	2	0	0	0	0	0	0	46
22:00	0	0	0	0	8	13	8	4	1	0	0	0	0	0	0	34
23:00	0	0	0	0	1	7	5	1	2	0	0	0	0	0	0	16
Total	36	0	5	39	284	805	582	98	17	5	1	0	0	0	1	1873

Daily
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 1268
 Percent in Pace : 67.7%
 Number of Vehicles > 40 MPH : 704
 Percent of Vehicles > 40 MPH : 37.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

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
10/30/13	0	0	0	0	1	7	2	2	1	0	0	0	0	0	13
01:00	0	0	0	0	0	2	1	1	0	0	0	0	0	0	4
02:00	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	2	1	0	1	0	0	0	0	0	0	4
04:00	0	0	0	0	0	4	1	0	0	0	0	0	0	0	5
05:00	0	0	0	0	2	7	8	3	0	0	0	0	0	0	20
06:00	2	0	0	1	11	24	11	1	1	0	0	0	0	0	51
07:00	2	0	1	1	13	42	25	4	1	0	0	0	0	0	89
08:00	1	0	0	0	16	33	25	4	0	0	0	0	0	0	79
09:00	0	0	0	2	17	35	32	2	1	1	0	0	0	0	90
10:00	0	0	0	1	16	33	20	3	1	0	0	0	0	0	74
11:00	2	0	1	4	15	40	14	1	0	0	0	0	0	0	77
12 PM	3	0	0	1	5	34	38	15	2	1	0	0	0	0	99
13:00	2	0	2	2	12	38	28	3	4	0	0	0	0	0	91
14:00	0	0	0	1	13	56	51	5	2	0	0	0	0	0	128
15:00	1	0	0	12	25	70	56	4	2	1	0	0	0	0	171
16:00	3	0	2	5	20	82	82	16	1	1	0	0	0	0	212
17:00	0	0	0	4	37	111	79	12	2	1	0	0	0	0	246
18:00	3	0	3	2	25	87	34	8	1	0	0	0	0	0	163
19:00	1	0	0	2	29	53	26	2	2	0	0	0	0	0	115
20:00	1	0	1	1	21	47	17	4	0	0	0	1	0	0	93
21:00	0	0	0	2	13	17	6	4	0	0	0	0	0	0	42
22:00	1	0	0	0	9	10	6	5	0	0	0	0	0	0	31
23:00	0	0	0	0	3	8	9	4	0	0	0	0	1	0	25
Total	22	0	10	41	305	842	571	104	21	5	0	1	1	0	1923

Daily
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 1308
 Percent in Pace : 68.0%
 Number of Vehicles > 40 MPH : 703
 Percent of Vehicles > 40 MPH : 36.6%

Grand Total	58	0	15	80	589	1647	1153	202	38	10	1	1	1	1	3796
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Overall
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 35-44 MPH
 Number in Pace : 2576
 Percent in Pace : 67.9%
 Number of Vehicles > 40 MPH : 1407
 Percent of Vehicles > 40 MPH : 37.1%

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

NB, SB

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total
10/29/1															
3	0	0	0	0	1	5	3	3	1	1	1	0	0	0	15
01:00	0	0	0	0	1	2	1	0	0	1	0	0	0	0	5
02:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	2
03:00	0	0	0	1	0	1	3	0	0	0	0	0	0	0	5
04:00	0	0	1	0	2	8	12	9	5	2	0	0	0	0	39
05:00	0	0	1	1	4	15	56	15	4	0	1	0	0	0	97
06:00	0	0	0	5	26	86	82	17	2	0	0	0	0	0	218
07:00	6	0	1	2	36	108	141	20	4	0	0	0	0	0	318
08:00	4	0	1	2	23	104	97	30	4	0	0	0	0	0	265
09:00	1	0	0	2	17	62	77	25	3	2	0	0	0	0	189
10:00	1	0	0	2	13	58	62	28	2	2	0	0	0	0	168
11:00	3	0	0	1	10	60	59	26	7	1	0	0	0	0	167
12 PM	6	1	0	2	12	54	61	30	4	2	0	0	0	0	172
13:00	1	0	1	11	23	64	76	23	4	0	0	0	0	0	203
14:00	2	0	1	1	25	85	74	33	5	0	0	0	0	1	227
15:00	5	0	2	4	27	118	110	32	7	1	0	0	0	0	306
16:00	5	0	0	6	25	129	128	33	5	0	0	0	0	0	331
17:00	15	0	1	6	50	146	124	27	3	0	0	0	0	0	372
18:00	4	0	0	5	36	95	73	19	2	0	0	0	0	0	234
19:00	0	0	1	6	23	70	55	20	1	3	0	0	0	0	179
20:00	0	0	0	1	14	51	36	9	2	0	0	0	0	0	113
21:00	1	0	0	1	11	33	12	6	2	0	0	1	0	0	67
22:00	0	0	0	0	10	17	11	6	1	0	0	0	0	0	45
23:00	1	0	0	0	2	8	10	1	2	0	0	0	0	0	24
Total	55	1	10	59	391	1379	1364	412	70	16	2	1	0	1	3761

Daily

15th Percentile :	34 MPH
50th Percentile :	39 MPH
85th Percentile :	45 MPH
95th Percentile :	48 MPH

Mean Speed(Average) :	40 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	2481
Percent in Pace :	66.0%
Number of Vehicles > 40 MPH :	1866
Percent of Vehicles > 40 MPH :	49.6%

Old Colony Planning Council
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Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

NB, SB

Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total
10/30/13																
01:00	0	0	0	0	2	7	5	3	1	0	0	0	0	0	0	18
02:00	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	5
03:00	0	0	0	0	2	1	0	2	0	0	0	0	0	0	0	3
04:00	0	0	1	0	1	9	6	8	1	3	0	0	0	0	0	5
05:00	0	0	0	0	4	17	52	18	1	1	0	0	0	0	0	29
06:00	4	0	0	6	23	110	74	14	4	2	0	0	0	0	0	93
07:00	3	0	1	9	24	116	135	30	6	2	0	0	0	0	0	237
08:00	2	0	0	5	27	88	101	36	7	0	0	0	0	0	0	326
09:00	1	0	0	2	19	60	87	17	5	1	0	0	0	0	0	266
10:00	0	0	0	5	22	64	55	18	5	2	0	0	0	0	0	192
11:00	2	0	3	6	26	59	54	15	6	0	0	0	0	0	0	171
12 PM	4	0	0	1	9	53	71	34	13	3	0	0	0	0	0	188
13:00	3	0	2	4	13	54	60	31	8	0	0	0	0	0	0	175
14:00	1	0	0	1	21	78	105	27	5	2	0	0	0	0	0	240
15:00	3	1	1	14	33	90	111	25	7	3	0	0	0	0	0	288
16:00	6	0	3	6	21	109	118	39	9	1	0	0	0	0	0	312
17:00	1	0	0	4	39	139	133	27	7	2	0	0	0	0	0	352
18:00	7	0	9	3	39	123	77	15	4	0	0	0	0	0	0	277
19:00	2	0	0	4	37	77	62	9	2	2	0	0	0	0	0	195
20:00	2	0	1	1	27	59	34	7	1	1	0	1	0	0	0	134
21:00	1	0	0	2	14	24	13	9	2	0	0	0	0	0	0	65
22:00	1	0	0	0	9	15	10	8	0	0	0	0	0	0	0	43
23:00	0	0	0	0	3	9	16	5	0	0	0	1	1	0	0	35
Total	43	1	21	73	416	1364	1381	399	94	25	0	2	1	0	0	3820

Daily
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2491
 Percent in Pace : 65.2%
 Number of Vehicles > 40 MPH : 1902
 Percent of Vehicles > 40 MPH : 49.8%

Grand Total	98	2	31	132	807	2743	2745	811	164	41	2	3	1	1	0	7581
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Overall
 15th Percentile : 34 MPH
 50th Percentile : 39 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4972
 Percent in Pace : 65.6%
 Number of Vehicles > 40 MPH : 3768
 Percent of Vehicles > 40 MPH : 49.7%

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

Community: Hanson
 Com#_UR/FC: 123_U6
 Recorder #: 13208
 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

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
10/29/1															
3	0	5	2	0	0	0	0	0	0	0	0	0	0	7	0
01:00	0	1	1	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	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	19	9	0	5	0	0	0	0	0	0	0	0	33	5
05:00	0	46	26	0	8	0	0	0	1	0	0	0	0	81	9
06:00	0	113	50	2	16	0	0	0	1	0	0	0	0	182	19
07:00	0	142	66	2	20	0	0	1	0	0	0	0	0	231	23
08:00	0	108	60	2	13	1	0	2	1	0	0	0	0	187	19
09:00	0	64	25	0	15	0	0	1	1	0	0	0	0	106	17
10:00	0	49	26	1	11	4	0	1	0	0	0	0	0	92	17
11:00	0	55	20	3	14	1	0	1	0	0	0	0	0	94	19
12 PM	0	53	32	1	12	1	0	0	0	0	0	0	0	99	14
13:00	1	50	23	3	9	0	0	1	0	0	0	0	0	87	13
14:00	0	58	20	3	8	0	0	2	0	0	0	0	0	91	13
15:00	0	68	29	2	21	2	0	1	0	0	0	0	0	123	26
16:00	1	64	36	1	16	0	0	1	1	0	0	0	0	120	19
17:00	0	83	22	0	10	0	0	0	0	0	0	0	0	115	10
18:00	0	58	21	0	9	0	0	0	0	0	0	0	0	88	9
19:00	0	49	15	1	7	0	0	0	0	0	0	0	0	72	8
20:00	0	25	7	0	3	0	0	0	0	0	0	0	0	35	3
21:00	0	18	2	0	1	0	0	0	0	0	0	0	0	21	1
22:00	0	10	1	0	0	0	0	0	0	0	0	0	0	11	0
23:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
Total	2	1148	494	21	198	9	0	11	5	0	0	0	0	1888	244
Percent	0.1%	60.8%	26.2%	1.1%	10.5%	0.5%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak Vol.		07:00	07:00	11:00	07:00	10:00		08:00	05:00					07:00	07:00
PM Peak Vol.	13:00	17:00	16:00	13:00	15:00	15:00		14:00	16:00					15:00	15:00
	1	83	36	3	21	2		2	1					123	26

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 123
 Date Start: 29-Oct-13
 Date End: 30-Oct-13
 Elm St, south of Main St (27)

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
10/30/1															
3	0	3	1	0	1	0	0	0	0	0	0	0	0	5	1
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	1	1	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	1	10	7	0	6	0	0	0	0	0	0	0	0	24	6
05:00	0	44	22	0	5	0	0	0	2	0	0	0	0	73	7
06:00	1	124	36	1	23	1	0	0	0	0	0	0	0	186	25
07:00	0	139	67	3	27	0	0	1	0	0	0	0	0	237	31
08:00	0	119	52	2	12	1	0	1	0	0	0	0	0	187	16
09:00	0	66	22	0	13	0	0	1	0	0	0	0	0	102	14
10:00	0	52	30	0	13	0	0	0	2	0	0	0	0	97	15
11:00	0	54	25	4	9	1	0	1	0	0	0	0	0	94	15
12 PM	0	40	27	1	20	0	0	1	0	0	0	0	0	89	22
13:00	0	46	23	2	12	1	0	0	0	0	0	0	0	84	15
14:00	0	60	29	3	18	0	0	2	0	0	0	0	0	112	23
15:00	0	70	28	2	16	1	0	0	0	0	0	0	0	117	19
16:00	1	54	31	0	13	0	0	1	0	0	0	0	0	100	14
17:00	0	71	34	0	1	0	0	0	0	0	0	0	0	106	1
18:00	1	66	37	0	9	1	0	0	0	0	0	0	0	114	10
19:00	0	52	22	0	6	0	0	0	0	0	0	0	0	80	6
20:00	0	27	9	0	5	0	0	0	0	0	0	0	0	41	5
21:00	0	15	7	0	1	0	0	0	0	0	0	0	0	23	1
22:00	0	10	1	0	0	0	0	1	0	0	0	0	0	12	1
23:00	0	9	1	0	0	0	0	0	0	0	0	0	0	10	0
Total	4	1133	513	18	210	6	0	9	4	0	0	0	0	1897	247
Percent	0.2%	59.7%	27.0%	0.9%	11.1%	0.3%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		13.0%
AM Peak	04:00	07:00	07:00	11:00	07:00	06:00		07:00	05:00					07:00	07:00
Vol.	1	139	67	4	27	1		1	2					237	31
PM Peak	16:00	17:00	18:00	14:00	12:00	13:00		14:00						15:00	14:00
Vol.	1	71	37	3	20	1		2						117	23
Grand Total	6	2281	1007	39	408	15	0	20	9	0	0	0	0	3785	491
Percent	0.2%	60.3%	26.6%	1.0%	10.8%	0.4%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		13.0%

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10/29/1															
3	0	6	2	0	0	0	0	0	0	0	0	0	0	8	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	4	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
05:00	0	12	3	0	1	0	0	0	0	0	0	0	0	16	1
06:00	0	22	9	2	3	0	0	0	0	0	0	0	0	36	5
07:00	1	55	21	3	5	1	0	0	0	1	0	0	0	87	10
08:00	0	42	27	1	5	1	0	1	1	0	0	0	0	78	9
09:00	0	46	23	4	8	1	0	0	1	0	0	0	0	83	14
10:00	0	43	23	0	8	1	0	1	0	0	0	0	0	76	10
11:00	0	45	22	0	5	1	0	0	0	0	0	0	0	73	6
12 PM	0	49	15	2	5	0	0	1	0	1	0	0	0	73	9
13:00	1	76	30	1	5	0	0	2	0	1	0	0	0	116	9
14:00	1	88	41	1	3	2	0	0	0	0	0	0	0	136	6
15:00	1	112	52	3	14	1	0	0	0	0	0	0	0	183	18
16:00	1	138	61	0	9	1	0	1	0	0	0	0	0	211	11
17:00	0	175	71	0	11	0	0	0	0	0	0	0	0	257	11
18:00	0	98	38	0	10	0	0	0	0	0	0	0	0	146	10
19:00	0	79	25	0	3	0	0	0	0	0	0	0	0	107	3
20:00	0	59	19	0	0	0	0	0	0	0	0	0	0	78	0
21:00	0	34	10	0	2	0	0	0	0	0	0	0	0	46	2
22:00	0	28	4	0	2	0	0	0	0	0	0	0	0	34	2
23:00	0	12	3	0	1	0	0	0	0	0	0	0	0	16	1
Total	5	1230	501	17	100	9	0	6	2	3	0	0	0	1873	137
Percent	0.3%	65.7%	26.7%	0.9%	5.3%	0.5%	0.0%	0.3%	0.1%	0.2%	0.0%	0.0%	0.0%		7.3%
AM Peak	07:00	07:00	08:00	09:00	09:00	07:00		08:00	08:00	07:00				07:00	09:00
Vol.	1	55	27	4	8	1		1	1	1				87	14
PM Peak	13:00	17:00	17:00	15:00	15:00	14:00		13:00		12:00				17:00	15:00
Vol.	1	175	71	3	14	2		2		1				257	18

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10/30/1															
3	0	11	2	0	0	0	0	0	0	0	0	0	0	13	0
01:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
04:00	1	3	1	0	0	0	0	0	0	0	0	0	0	5	0
05:00	1	12	4	0	3	0	0	0	0	0	0	0	0	20	3
06:00	1	30	13	1	5	0	0	0	1	0	0	0	0	51	7
07:00	0	60	19	4	5	0	0	0	1	0	0	0	0	89	10
08:00	0	55	17	1	6	0	0	0	0	0	0	0	0	79	7
09:00	0	52	26	4	7	0	0	0	1	0	0	0	0	90	12
10:00	0	49	16	0	6	0	0	2	1	0	0	0	0	74	9
11:00	0	40	26	1	9	0	0	1	0	0	0	0	0	77	11
12 PM	0	47	26	2	24	0	0	0	0	0	0	0	0	99	26
13:00	0	51	26	1	11	1	0	0	1	0	0	0	0	91	14
14:00	0	79	35	1	9	2	0	2	0	0	0	0	0	128	14
15:00	1	104	54	3	9	0	0	0	0	0	0	0	0	171	12
16:00	0	129	72	1	9	1	0	0	0	0	0	0	0	212	11
17:00	0	181	58	1	5	0	0	1	0	0	0	0	0	246	7
18:00	0	112	42	0	9	0	0	0	0	0	0	0	0	163	9
19:00	0	89	24	0	2	0	0	0	0	0	0	0	0	115	2
20:00	0	70	21	0	2	0	0	0	0	0	0	0	0	93	2
21:00	0	33	6	0	3	0	0	0	0	0	0	0	0	42	3
22:00	0	25	6	0	0	0	0	0	0	0	0	0	0	31	0
23:00	0	21	4	0	0	0	0	0	0	0	0	0	0	25	0
Total	4	1261	499	20	124	4	0	6	5	0	0	0	0	1923	159
Percent	0.2%	65.6%	25.9%	1.0%	6.4%	0.2%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		8.3%
AM Peak	04:00	07:00	09:00	07:00	11:00			10:00	06:00					09:00	09:00
Vol.	1	60	26	4	9			2	1					90	12
PM Peak	15:00	17:00	16:00	15:00	12:00	14:00		14:00	13:00					17:00	12:00
Vol.	1	181	72	3	24	2		2	1					246	26
Grand Total	9	2491	1000	37	224	13	0	12	7	3	0	0	0	3796	296
Percent	0.2%	65.6%	26.3%	1.0%	5.9%	0.3%	0.0%	0.3%	0.2%	0.1%	0.0%	0.0%	0.0%		7.8%

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NB, SB

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10/29/1															
3	0	11	4	0	0	0	0	0	0	0	0	0	0	15	0
01:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	23	11	0	5	0	0	0	0	0	0	0	0	39	5
05:00	0	58	29	0	9	0	0	0	1	0	0	0	0	97	10
06:00	0	135	59	4	19	0	0	0	1	0	0	0	0	218	24
07:00	1	197	87	5	25	1	0	1	0	1	0	0	0	318	33
08:00	0	150	87	3	18	2	0	3	2	0	0	0	0	265	28
09:00	0	110	48	4	23	1	0	1	2	0	0	0	0	189	31
10:00	0	92	49	1	19	5	0	2	0	0	0	0	0	168	27
11:00	0	100	42	3	19	2	0	1	0	0	0	0	0	167	25
12 PM	0	102	47	3	17	1	0	1	0	1	0	0	0	172	23
13:00	2	126	53	4	14	0	0	3	0	1	0	0	0	203	22
14:00	1	146	61	4	11	2	0	2	0	0	0	0	0	227	19
15:00	1	180	81	5	35	3	0	1	0	0	0	0	0	306	44
16:00	2	202	97	1	25	1	0	2	1	0	0	0	0	331	30
17:00	0	258	93	0	21	0	0	0	0	0	0	0	0	372	21
18:00	0	156	59	0	19	0	0	0	0	0	0	0	0	234	19
19:00	0	128	40	1	10	0	0	0	0	0	0	0	0	179	11
20:00	0	84	26	0	3	0	0	0	0	0	0	0	0	113	3
21:00	0	52	12	0	3	0	0	0	0	0	0	0	0	67	3
22:00	0	38	5	0	2	0	0	0	0	0	0	0	0	45	2
23:00	0	19	4	0	1	0	0	0	0	0	0	0	0	24	1
Total	7	2378	995	38	298	18	0	17	7	3	0	0	0	3761	381
Percent	0.2%	63.2%	26.5%	1.0%	7.9%	0.5%	0.0%	0.5%	0.2%	0.1%	0.0%	0.0%	0.0%		10.1%
AM Peak	07:00	07:00	07:00	07:00	07:00	10:00		08:00	08:00	07:00				07:00	07:00
Vol.	1	197	87	5	25	5		3	2	1				318	33
PM Peak	13:00	17:00	16:00	15:00	15:00	15:00		13:00	16:00	12:00				17:00	15:00
Vol.	2	258	97	5	35	3		3	1	1				372	44

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10/30/1															
3	0	14	3	0	1	0	0	0	0	0	0	0	0	18	1
01:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
03:00	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
04:00	2	13	8	0	6	0	0	0	0	0	0	0	0	29	6
05:00	1	56	26	0	8	0	0	0	2	0	0	0	0	93	10
06:00	2	154	49	2	28	1	0	0	1	0	0	0	0	237	32
07:00	0	199	86	7	32	0	0	1	1	0	0	0	0	326	41
08:00	0	174	69	3	18	1	0	1	0	0	0	0	0	266	23
09:00	0	118	48	4	20	0	0	1	1	0	0	0	0	192	26
10:00	0	101	46	0	19	0	0	2	3	0	0	0	0	171	24
11:00	0	94	51	5	18	1	0	2	0	0	0	0	0	171	26
12 PM	0	87	53	3	44	0	0	1	0	0	0	0	0	188	48
13:00	0	97	49	3	23	2	0	0	1	0	0	0	0	175	29
14:00	0	139	64	4	27	2	0	4	0	0	0	0	0	240	37
15:00	1	174	82	5	25	1	0	0	0	0	0	0	0	288	31
16:00	1	183	103	1	22	1	0	1	0	0	0	0	0	312	25
17:00	0	252	92	1	6	0	0	1	0	0	0	0	0	352	8
18:00	1	178	79	0	18	1	0	0	0	0	0	0	0	277	19
19:00	0	141	46	0	8	0	0	0	0	0	0	0	0	195	8
20:00	0	97	30	0	7	0	0	0	0	0	0	0	0	134	7
21:00	0	48	13	0	4	0	0	0	0	0	0	0	0	65	4
22:00	0	35	7	0	0	0	0	1	0	0	0	0	0	43	1
23:00	0	30	5	0	0	0	0	0	0	0	0	0	0	35	0
Total	8	2394	1012	38	334	10	0	15	9	0	0	0	0	3820	406
Percent	0.2%	62.7%	26.5%	1.0%	8.7%	0.3%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		10.6%
AM Peak Vol.	2	199	86	7	32	1		2	3					326	41
PM Peak Vol.	1	252	103	5	44	2		4	1					352	48
Grand Total	15	4772	2007	76	632	28	0	32	16	3	0	0	0	7581	787
Percent	0.2%	62.9%	26.5%	1.0%	8.3%	0.4%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		10.4%

6.5 AM and PM Intersection Peak Hour Levels-of-Service

Intersection

Intersection Delay (sec/veh): 3.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	578	31	77	319	23	115
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	85
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.91	0.91	0.87	0.87	0.80	0.80
Heavy Vehicles(%)	2	2	2	2	2	2
Movement Flow Rate	635	34	89	367	29	144
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	669	0	1197	652
Stage 1	-	-	-	-	652	-
Stage 2	-	-	-	-	545	-
Follow-up Headway	-	-	2.218	-	3.518	3.318
Pot Capacity-1 Maneuver	-	-	921	-	205	468
Stage 1	-	-	-	-	518	-
Stage 2	-	-	-	-	581	-
Time blocked-Platoon(%)	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	921	-	180	468
Mov Capacity-2 Maneuver	-	-	-	-	180	-
Stage 1	-	-	-	-	518	-
Stage 2	-	-	-	-	511	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	1.8	18.2
HCM LOS	A	A	C

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	180	468				
HCM Control Delay (s)	28.8	16.1	-	-	9.324	-
HCM Lane VC Ratio	0.16	0.307	-	-	0.096	-
HCM Lane LOS	D	C	-	-	A	-
HCM 95th Percentile Queue (veh)	0.554	1.289	-	-	0.318	-

HCM 2010 TWSC
 4: Elm Street & Main Street (Route 27)

11/26/2013

Intersection

Intersection Delay (sec/veh): 11

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	476	139	152	335	75	81
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	70
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.90	0.90	0.92	0.92	0.73	0.25
Heavy Vehicles(%)	1	3	3	1	0	2
Movement Flow Rate	529	154	165	364	103	324
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	683	0	1300	606
Stage 1	-	-	-	-	606	-
Stage 2	-	-	-	-	694	-
Follow-up Headway	-	-	2.227	-	3.5	3.318
Pot Capacity-1 Maneuver	-	-	905	-	180	497
Stage 1	-	-	-	-	548	-
Stage 2	-	-	-	-	499	-
Time blocked-Platoon(%)	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	905	-	139	497
Mov Capacity-2 Maneuver	-	-	-	-	139	-
Stage 1	-	-	-	-	548	-
Stage 2	-	-	-	-	385	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	3.1	38.6
HCM LOS	A	A	E

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	139	497				
HCM Control Delay (s)	82	24.8	-	-	9.864	-
HCM Lane VC Ratio	0.739	0.652	-	-	0.183	-
HCM Lane LOS	F	C	-	-	A	-
HCM 95th Percentile Queue (veh)	4.342	4.628	-	-	0.665	-

Intersection

Intersection Delay (sec/veh): 6.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	231	48	60	476	110	128
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	70
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.89	0.89	0.87	0.87	0.77	0.77
Heavy Vehicles(%)	11	100	5	3	4	5
Movement Flow Rate	260	54	69	547	143	166
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	314	0	972	287
Stage 1	-	-	-	-	287	-
Stage 2	-	-	-	-	685	-
Follow-up Headway	-	-	2.245	-	3.536	3.345
Pot Capacity-1 Maneuver	-	-	1229	-	278	745
Stage 1	-	-	-	-	757	-
Stage 2	-	-	-	-	497	-
Time blocked-Platoon(%)	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1229	-	255	745
Mov Capacity-2 Maneuver	-	-	-	-	255	-
Stage 1	-	-	-	-	757	-
Stage 2	-	-	-	-	457	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	0.9	22.5
HCM LOS	A	A	C

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	255	745				
HCM Control Delay (s)	35.7	11.2	-	-	8.103	-
HCM Lane VC Ratio	0.56	0.223	-	-	0.056	-
HCM Lane LOS	E	B	-	-	A	-
HCM 95th Percentile Queue (veh)	3.125	0.852	-	-	0.178	-

Intersection

Intersection Delay (sec/veh): 2.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Volume (vph)	222	6	100	484	22	77
Conflicting Peds.(#/hr)	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
Right Turn Channelized	None	None	None	None	None	None
Storage Length		0	0		0	85
Median Width	0			0	12	
Grade (%)	0%			0%	0%	
Peak Hour Factor	0.93	0.93	0.86	0.86	0.75	0.75
Heavy Vehicles(%)	9	10	3	4	9	4
Movement Flow Rate	239	6	116	563	29	103
Number of Lanes	1	0	0	1	1	1

Major/Minor	Major 1		Major 2			
Conflicting Flow Rate - All	0	0	245	0	1037	242
Stage 1	-	-	-	-	242	-
Stage 2	-	-	-	-	795	-
Follow-up Headway	-	-	2.227	-	3.581	3.336
Pot Capacity-1 Maneuver	-	-	1315	-	248	792
Stage 1	-	-	-	-	782	-
Stage 2	-	-	-	-	433	-
Time blocked-Platoon(%)	-	-	0	-	0	0
Mov Capacity-1 Maneuver	-	-	1315	-	216	792
Mov Capacity-2 Maneuver	-	-	-	-	216	-
Stage 1	-	-	-	-	782	-
Stage 2	-	-	-	-	378	-

Approach	EB	WB	NB
HCM Control Delay (s)	0	1.4	13.3
HCM LOS	A	A	B

Lane	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (vph)	216	792				
HCM Control Delay (s)	24.3	10.2	-	-	8.003	-
HCM Lane VC Ratio	0.136	0.13	-	-	0.088	-
HCM Lane LOS	C	B	-	-	A	-
HCM 95th Percentile Queue (veh)	0.462	0.445	-	-	0.29	-

6.6 Signal Warrant Summaries

Warrants Summary Report

1: Main @ Franklin

Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	35

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	Yes	
Condition A or B Met?	Yes	11 Hours met (8 required)
Condition A and B Met?	No	6 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	6 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	2 Hours met (1 required)
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	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	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?	Yes	13 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	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	35

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

Warrant 1: Eight-hour Vehicular Volume

1: Main @ Franklin

Intersection Information:

Major Street	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 1 Met?

Yes

Details:

Condition A or B Met?	Yes	11 Hours met (8 required)
Condition A and B Met?	No	6 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	42	No	No	No	No	4	No	No	No	No	No	No	No	No
01:00 to 02:00	24	No	No	No	No	2	No	No	No	No	No	No	No	No
02:00 to 03:00	8	No	No	No	No	0	No	No	No	No	No	No	No	No
03:00 to 04:00	26	No	No	No	No	3	No	No	No	No	No	No	No	No
04:00 to 05:00	83	No	No	No	No	10	No	No	No	No	No	No	No	No
05:00 to 06:00	251	No	No	No	No	23	No	No	No	No	No	No	No	No
06:00 to 07:00	652	Yes	Yes	Yes	Yes	76	No	No	Yes	Yes	No	Yes*	No	Yes
07:00 to 08:00	788	Yes	Yes	Yes	Yes	97	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
08:00 to 09:00	674	Yes	Yes	Yes	Yes	84	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
09:00 to 10:00	539	Yes	Yes	Yes	Yes	68	No	No	Yes	Yes	No	Yes*	No	Yes

10:00 to 11:00	533	Yes	Yes	Yes	Yes	55	No	No	Yes	Yes	No	Yes*	No	Yes
11:00 to 12:00	520	Yes	Yes	No	Yes	57	No	No	Yes	Yes	No	No	No	Yes
12:00 to 13:00	508	Yes	Yes	No	Yes	71	No	No	Yes	Yes	No	No	No	Yes
13:00 to 14:00	588	Yes	Yes	Yes	Yes	64	No	No	Yes	Yes	No	Yes*	No	Yes
14:00 to 15:00	648	Yes	Yes	Yes	Yes	78	No	No	Yes	Yes	No	Yes*	No	Yes
15:00 to 16:00	782	Yes	Yes	Yes	Yes	106	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
16:00 to 17:00	867	Yes	Yes	Yes	Yes	119	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
17:00 to 18:00	836	Yes	Yes	Yes	Yes	138	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
18:00 to 19:00	610	Yes	Yes	Yes	Yes	100	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
19:00 to 20:00	407	Yes	Yes	No	No	63	No	No	Yes	Yes	No	No	No	No
20:00 to 21:00	307	No	Yes	No	No	40	No	No	No	No	No	No	No	No
21:00 to 22:00	203	No	No	No	No	22	No	No	No	No	No	No	No	No
22:00 to 23:00	146	No	No	No	No	19	No	No	No	No	No	No	No	No
23:00 to 00:00	114	No	No	No	No	14	No	No	No	No	No	No	No	No

Warrant 2: Four-hour Vehicular Volume

1: Main @ Franklin

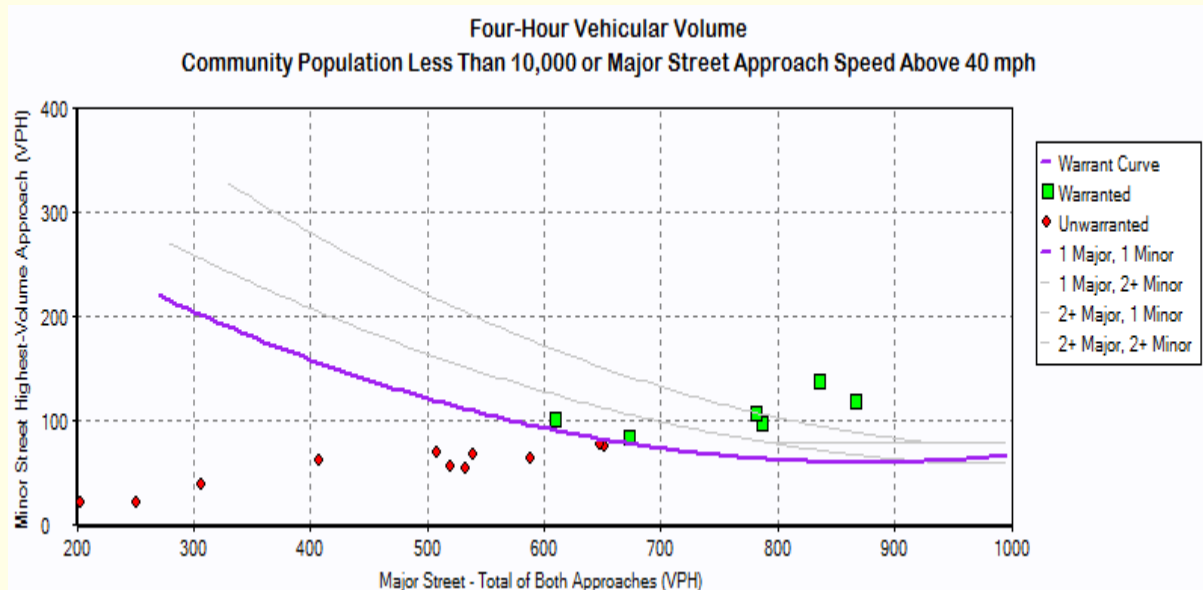
Intersection Information

	Major Street	Minor Street
Street Name	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	35

Warrant 2 Met? Yes

Details:

Notes:	6 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	42.00	4.00
01:00:00 - 02:00:00	24.00	2.00
02:00:00 - 03:00:00	8.00	0.00
03:00:00 - 04:00:00	26.00	3.00
04:00:00 - 05:00:00	83.00	10.00
05:00:00 - 06:00:00	251.00	23.00
06:00:00 - 07:00:00	652.00	76.00
07:00:00 - 08:00:00	788.00	97.00
08:00:00 - 09:00:00	674.00	84.00
09:00:00 - 10:00:00	539.00	68.00
10:00:00 - 11:00:00	533.00	55.00
11:00:00 - 12:00:00	520.00	57.00
12:00:00 - 13:00:00	508.00	71.00
13:00:00 - 14:00:00	588.00	64.00
14:00:00 - 15:00:00	648.00	78.00
15:00:00 - 16:00:00	782.00	106.00
16:00:00 - 17:00:00	867.00	119.00
17:00:00 - 18:00:00	836.00	138.00
18:00:00 - 19:00:00	610.00	100.00
19:00:00 - 20:00:00	407.00	63.00
20:00:00 - 21:00:00	307.00	40.00
21:00:00 - 22:00:00	203.00	22.00
22:00:00 - 23:00:00	146.00	19.00
23:00:00 - 00:00:00	114.00	14.00

Warranted Hours		
Hour	Major Volume	Minor Volume
07:00:00 - 08:00:00	788.00	97.00
08:00:00 - 09:00:00	674.00	84.00
15:00:00 - 16:00:00	782.00	106.00
16:00:00 - 17:00:00	867.00	119.00
17:00:00 - 18:00:00	836.00	138.00
18:00:00 - 19:00:00	610.00	100.00

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

Warrant 3: Peak Hour

1: Main @ Franklin

Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	35

Warrant 3 Met? Yes

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?	Yes
Notes:	2 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	42	4
1:00	24	2
2:00	8	0
3:00	26	3
4:00	83	10
5:00	251	23
6:00	652	76
7:00	788	97
8:00	674	84
9:00	539	68
10:00	533	55
11:00	520	57
12:00	508	71
13:00	588	64
14:00	648	78
15:00	782	106
16:00	867	119
17:00	836	138
18:00	610	100
19:00	407	63
20:00	307	40
21:00	203	22
22:00	146	19
23:00	114	14

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Warrant 4: Pedestrian Volume

1: Main @ Franklin

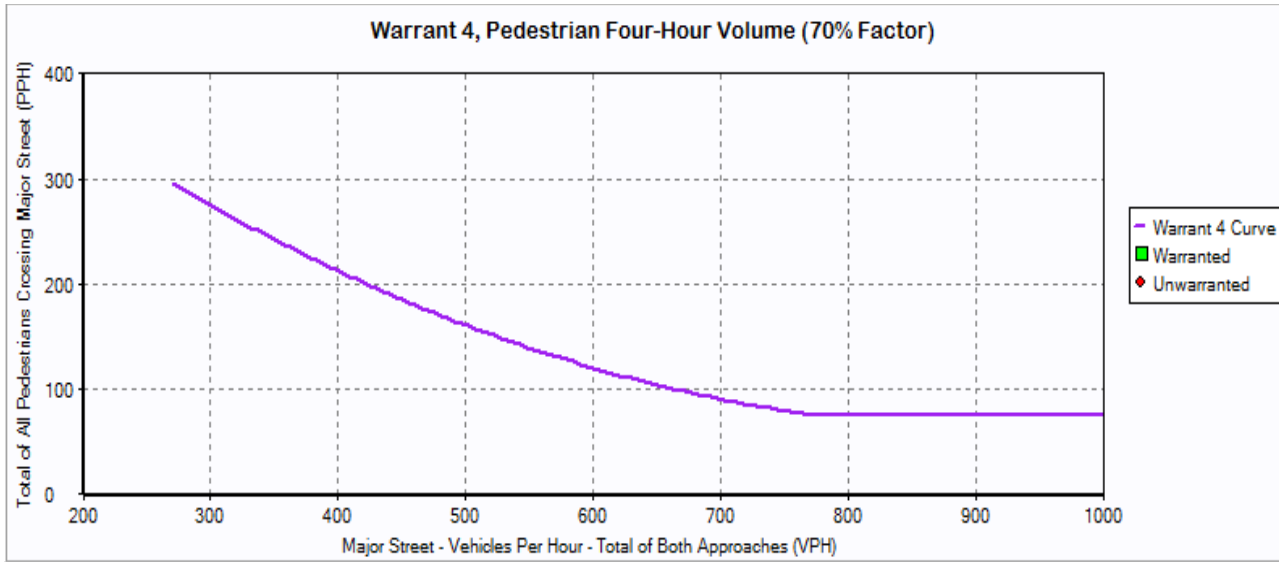
Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	35

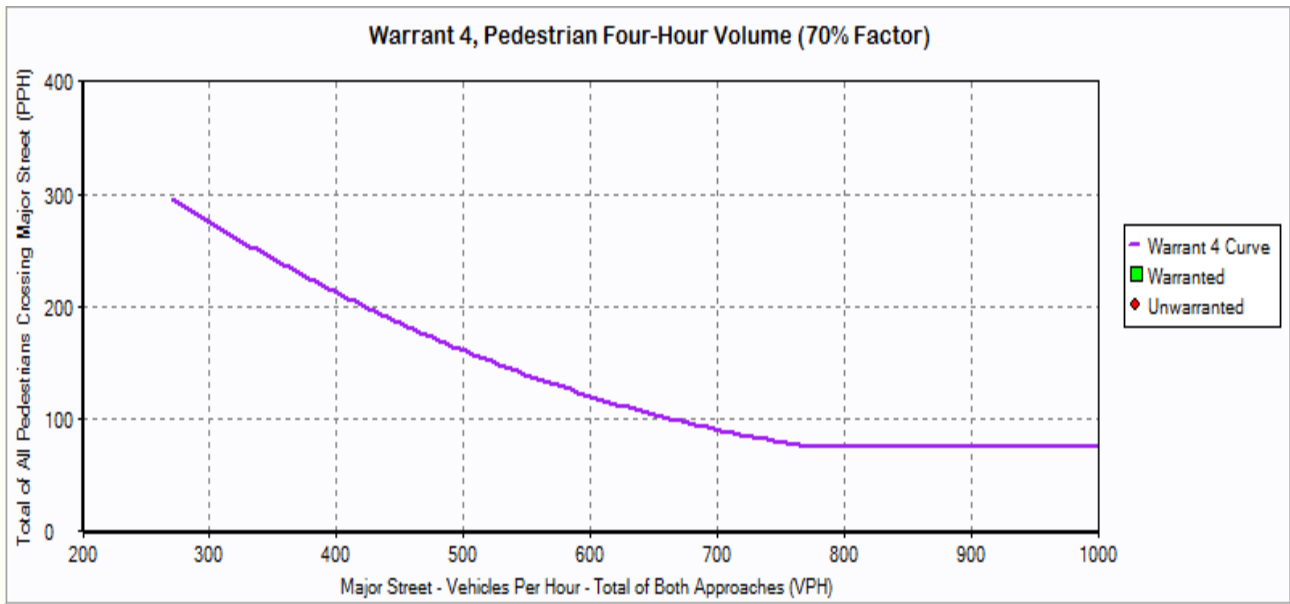
Warrant 4 Met? **No**

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: Main @ Franklin

Intersection Information:

Major Street Name	Route 27
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: Main @ Franklin

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB

Warrant 6 Met? **No**

Details:

Approach Dir/Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
EB Approach (Route 27)	Yes	No	N/A
WB Approach (Route 27)	Yes	No	N/A
NB Approach (Franklin 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: Main @ Franklin

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 7 Met? No

Details:

Low Population? No Major Street Speed Limit 40 Major Street 85th-Percentile Speed 45.00
Qualifying Crashes 0 Adequate Alternative Trials? No Traffic Volume Condition Met? Yes 13 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			
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	42	0	No	No	0	No	0	No
01:00 to 02:00	24	0	No	No	0	No	0	No
02:00 to 03:00	8	0	No	No	0	No	0	No
03:00 to 04:00	26	0	No	No	0	No	0	No
04:00 to 05:00	83	0	No	No	0	No	0	No
05:00 to 06:00	251	0	No	No	0	No	0	No
06:00 to 07:00	652	0	No	No	0	No	0	No
07:00 to 08:00	788	0	No	No	0	No	0	No

08:00 to 09:00	674	0	No	No	0	No	0	No
09:00 to 10:00	539	0	No	No	0	No	0	No
10:00 to 11:00	533	0	No	No	0	No	0	No
11:00 to 12:00	520	0	No	No	0	No	0	No
12:00 to 13:00	508	0	No	No	0	No	0	No
13:00 to 14:00	588	0	No	No	0	No	0	No
14:00 to 15:00	648	0	No	No	0	No	0	No
15:00 to 16:00	782	0	No	No	0	No	0	No
16:00 to 17:00	867	0	No	No	0	No	0	No
17:00 to 18:00	836	0	No	No	0	No	0	No
18:00 to 19:00	610	0	No	No	0	No	0	No
19:00 to 20:00	407	0	No	No	0	No	0	No
20:00 to 21:00	307	0	No	No	0	No	0	No
21:00 to 22:00	203	0	No	No	0	No	0	No
22:00 to 23:00	146	0	No	No	0	No	0	No
23:00 to 00:00	114	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: Main @ Franklin

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 8 Met? (A or B) **No**

Details:

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

Condition A, Total Entering Volume		Condition B, Non-normal Business Day	
Existing Peak Hour	986	<u>Existing</u>	
Years	0.00	Highest Hour	0
Future Peak Hour	986	Second Highest Hour	0
Warrant 1 in 5 Years?	No	Third Highest Hour	0
Warrant 2 in 5 Years?	No	Fourth Highest Hour	0
Warrant 3 in 5 Years?	No	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

Condition A Met? **No**

Condition B Met? **No**

Warrant 9: Intersection Near a Grade Crossing

1: Main @ Franklin

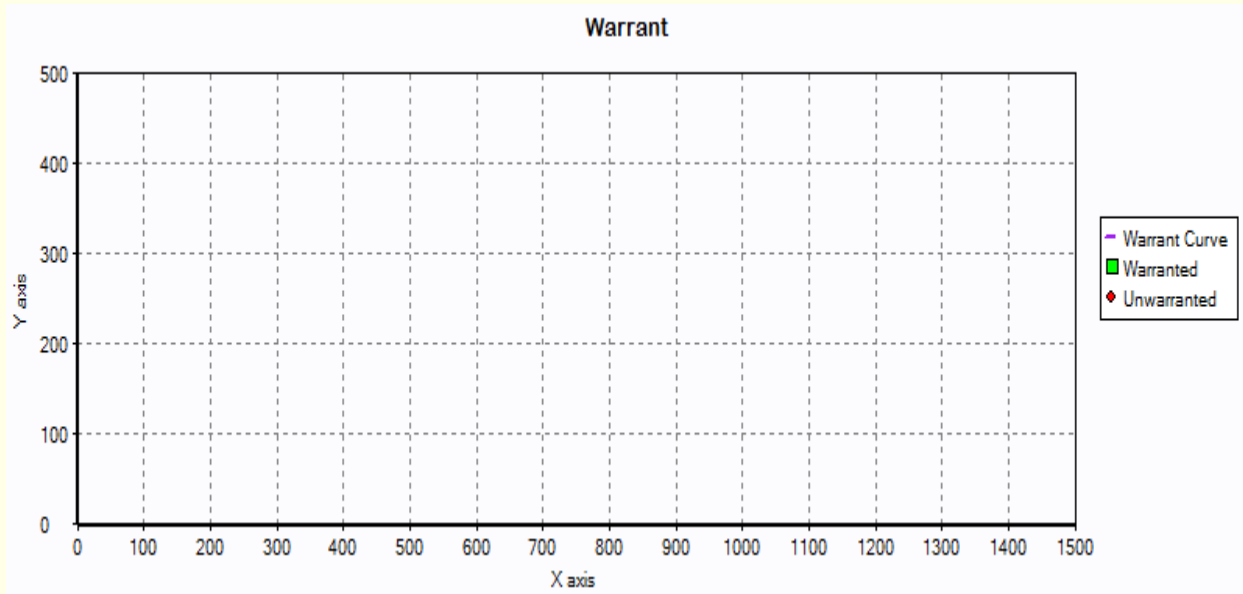
Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Franklin Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	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: Main @ Franklin

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

AWSC Warrant Met? Yes

Details:

Condition A Met?	Yes
Condition B Met?	No
Condition C Met?	No

0 Hours Met (8 Required)

Qualifying Crashes	0
Major Street 85th-Percentile Speed	45.00
Major Street Speed Limit	40

Hour	Traffic Volumes		Bicycle Volumes	Ped Volumes	Condition C		
	Major Street Vehicles	Minor Street Vehicles	Northbound Bicycle Volumes	Northbound Bicycle Volumes	Major Street	Minor Street	
					(Total Vehicle Volume) >= 210	Avg(Veh + Ped + Bicycle) >= 200	Delay >= 30

Warrants Summary Report

1: Route 27 @ Elm

Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	Yes	
Condition A or B Met?	Yes	12 Hours met (8 required)
Condition A and B Met?	Yes	13 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	10 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	6 Hours met (1 required)
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	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

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?	Yes	14 Hours met (8 required)
Warrant 8, Roadway Network	Yes	
Warrant 9, Intersection Near a Grade Crossing	No	

Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

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

Warrant 1: Eight-hour Vehicular Volume

1: Route 27 @ Elm

Intersection Information:

Major Street	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 1 Met?

Yes

Details:

Condition A or B Met?	Yes	12 Hours met (8 required)
Condition A and B Met?	Yes	13 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	54	No	No	No	No	6	No	No	No	No	No	No	No	No
01:00 to 02:00	20	No	No	No	No	2	No	No	No	No	No	No	No	No
02:00 to 03:00	9	No	No	No	No	2	No	No	No	No	No	No	No	No
03:00 to 04:00	27	No	No	No	No	1	No	No	No	No	No	No	No	No
04:00 to 05:00	68	No	No	No	No	28	No	No	No	No	No	No	No	No
05:00 to 06:00	231	No	No	No	No	77	No	No	Yes	Yes	No	No	No	No
06:00 to 07:00	622	Yes	Yes	Yes	Yes	184	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
07:00 to 08:00	784	Yes	Yes	Yes	Yes	234	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
08:00 to 09:00	714	Yes	Yes	Yes	Yes	187	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
09:00 to 10:00	567	Yes	Yes	Yes	Yes	104	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*

10:00 to 11:00	540	Yes	Yes	Yes	Yes	94	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
11:00 to 12:00	524	Yes	Yes	No	Yes	94	No	Yes	Yes	Yes	No	No	Yes*	Yes*
12:00 to 13:00	578	Yes	Yes	Yes	Yes	94	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
13:00 to 14:00	636	Yes	Yes	Yes	Yes	86	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
14:00 to 15:00	736	Yes	Yes	Yes	Yes	102	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
15:00 to 16:00	857	Yes	Yes	Yes	Yes	120	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
16:00 to 17:00	964	Yes	Yes	Yes	Yes	110	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
17:00 to 18:00	1006	Yes	Yes	Yes	Yes	110	Yes	Yes	Yes	Yes	Yes*	Yes*	Yes*	Yes*
18:00 to 19:00	715	Yes	Yes	Yes	Yes	101	No	Yes	Yes	Yes	No	Yes*	Yes*	Yes*
19:00 to 20:00	465	Yes	Yes	No	Yes	76	No	No	Yes	Yes	No	No	No	Yes
20:00 to 21:00	376	Yes	Yes	No	No	38	No	No	No	No	No	No	No	No
21:00 to 22:00	252	No	No	No	No	22	No	No	No	No	No	No	No	No
22:00 to 23:00	167	No	No	No	No	12	No	No	No	No	No	No	No	No
23:00 to 00:00	120	No	No	No	No	9	No	No	No	No	No	No	No	No

Warrant 2: Four-hour Vehicular Volume

1: Route 27 @ Elm

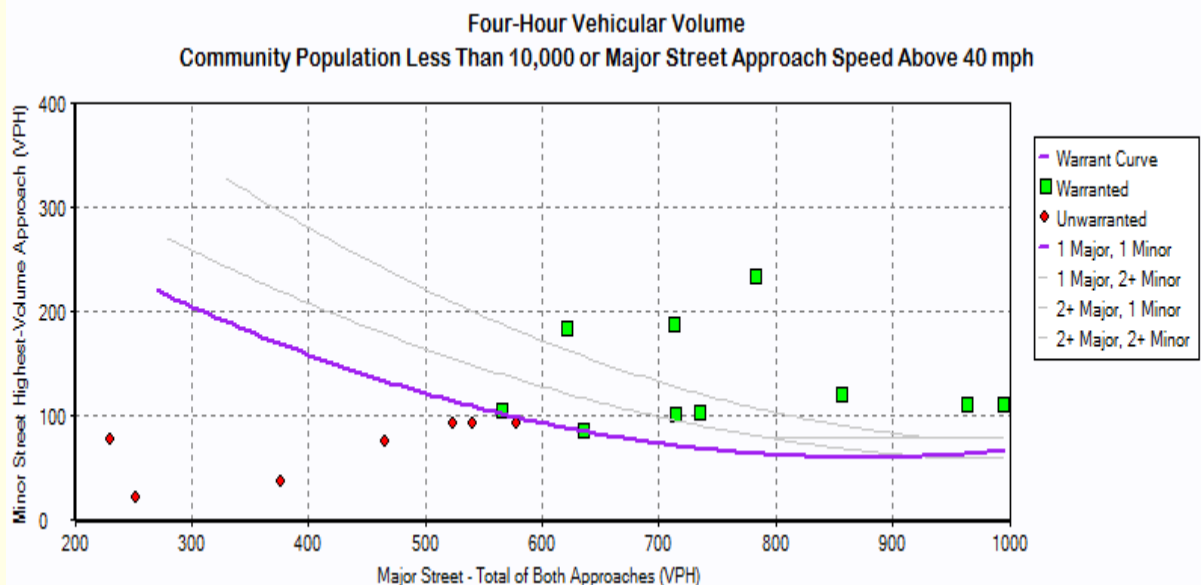
Intersection Information

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

Warrant 2 Met? Yes

Details:

Notes:	10 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	54.00	6.00
01:00:00 - 02:00:00	20.00	2.00
02:00:00 - 03:00:00	9.00	2.00
03:00:00 - 04:00:00	27.00	1.00
04:00:00 - 05:00:00	68.00	28.00
05:00:00 - 06:00:00	231.00	77.00
06:00:00 - 07:00:00	622.00	184.00
07:00:00 - 08:00:00	784.00	234.00
08:00:00 - 09:00:00	714.00	187.00
09:00:00 - 10:00:00	567.00	104.00
10:00:00 - 11:00:00	540.00	94.00
11:00:00 - 12:00:00	524.00	94.00
12:00:00 - 13:00:00	578.00	94.00
13:00:00 - 14:00:00	636.00	86.00
14:00:00 - 15:00:00	736.00	102.00
15:00:00 - 16:00:00	857.00	120.00
16:00:00 - 17:00:00	964.00	110.00
17:00:00 - 18:00:00	1,006.00	110.00
18:00:00 - 19:00:00	715.00	101.00
19:00:00 - 20:00:00	465.00	76.00
20:00:00 - 21:00:00	376.00	38.00
21:00:00 - 22:00:00	252.00	22.00
22:00:00 - 23:00:00	167.00	12.00
23:00:00 - 00:00:00	120.00	9.00

Warranted Hours		
Hour	Major Volume	Minor Volume
06:00:00 - 07:00:00	622.00	184.00
07:00:00 - 08:00:00	784.00	234.00
08:00:00 - 09:00:00	714.00	187.00
09:00:00 - 10:00:00	567.00	104.00
13:00:00 - 14:00:00	636.00	86.00
14:00:00 - 15:00:00	736.00	102.00
15:00:00 - 16:00:00	857.00	120.00
16:00:00 - 17:00:00	964.00	110.00
17:00:00 - 18:00:00	1,006.00	110.00
18:00:00 - 19:00:00	715.00	101.00

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

Warrant 3: Peak Hour

1: Route 27 @ Elm

Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

Warrant 3 Met? Yes

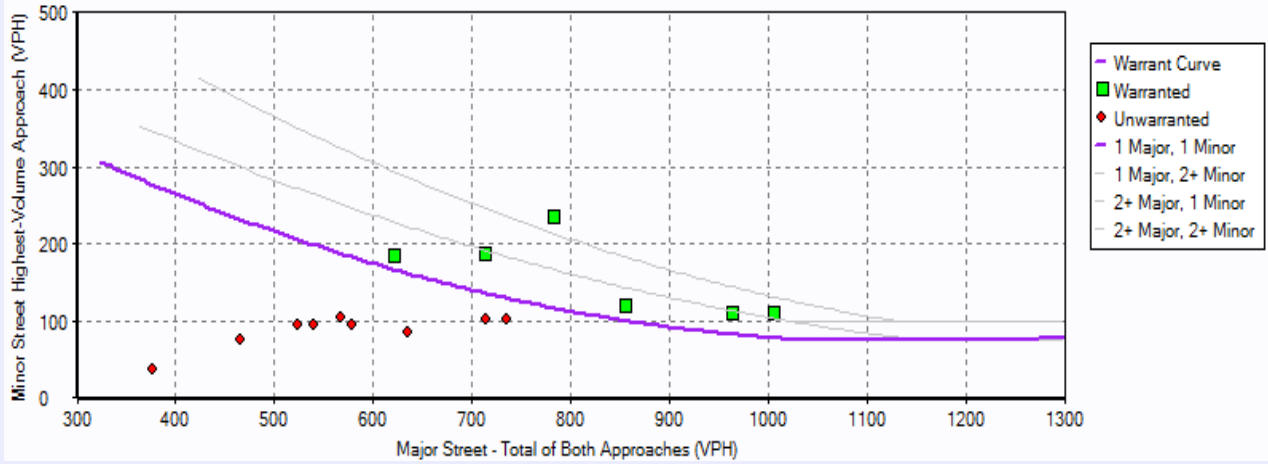
Details:

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?	Yes
Notes:	6 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	54	6
1:00	20	2
2:00	9	2
3:00	27	1
4:00	68	28
5:00	231	77
6:00	622	184
7:00	784	234
8:00	714	187
9:00	567	104
10:00	540	94
11:00	524	94
12:00	578	94
13:00	636	86
14:00	736	102
15:00	857	120
16:00	964	110
17:00	1006	110
18:00	715	101
19:00	465	76
20:00	376	38
21:00	252	22
22:00	167	12
23:00	120	9

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Warrant 4: Pedestrian Volume 1: Route 27 @ Elm

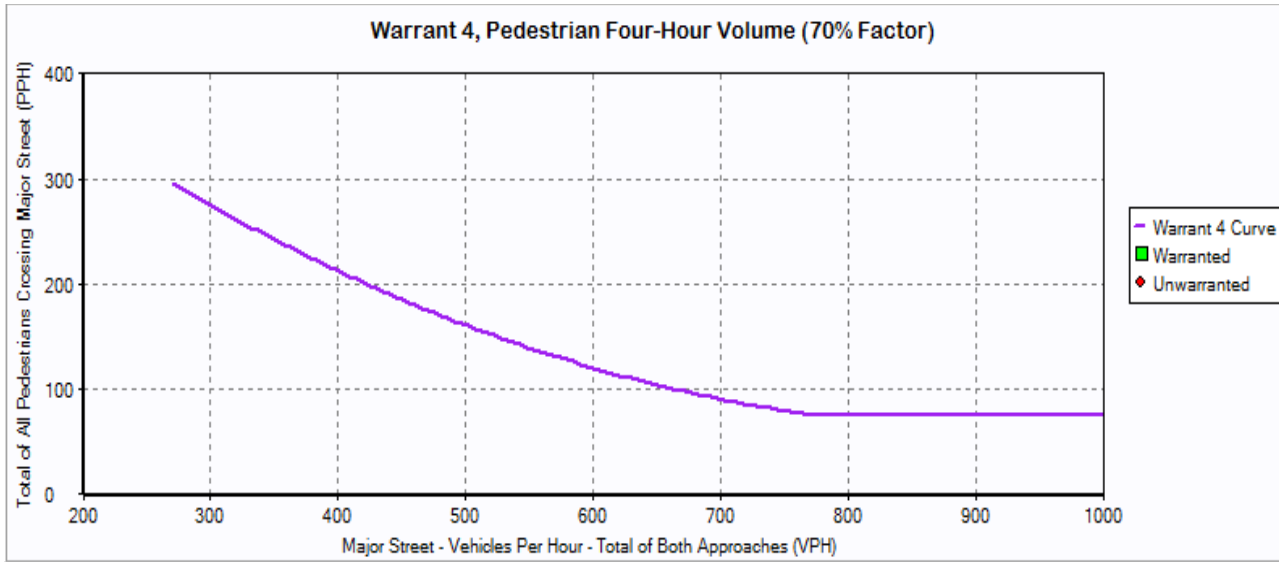
Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

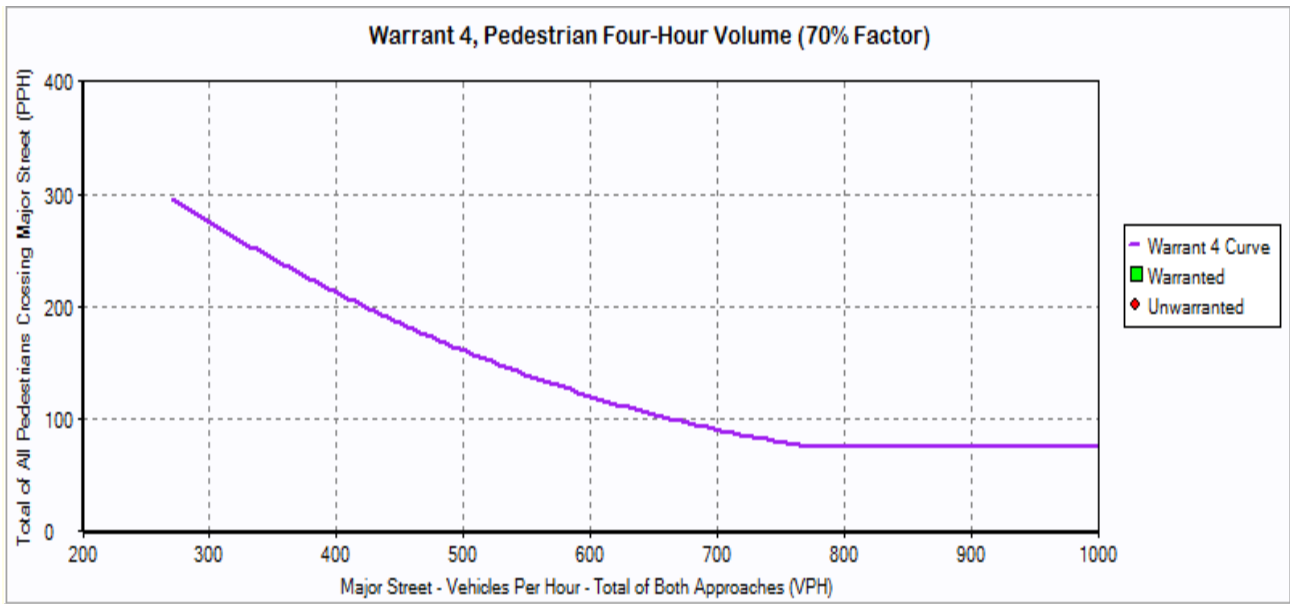
Warrant 4 Met? No

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: Route 27 @ Elm

Intersection Information:

Major Street Name	Route 27
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: Route 27 @ Elm

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB

Warrant 6 Met? **No**

Details:

Approach Dir/Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
EB Approach (Route 27)	Yes	No	N/A
WB Approach (Route 27)	Yes	No	N/A
NB Approach (Elm 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: Route 27 @ Elm

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 7 Met? No

Details:

Low Population? No Major Street Speed Limit 40 Major Street 85th-Percentile Speed 42.00
Qualifying Crashes 0 Adequate Alternative Trials? No Traffic Volume Condition Met? Yes 14 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			
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	54	0	No	No	0	No	0	No
01:00 to 02:00	20	0	No	No	0	No	0	No
02:00 to 03:00	9	0	No	No	0	No	0	No
03:00 to 04:00	27	0	No	No	0	No	0	No
04:00 to 05:00	68	0	No	No	0	No	0	No
05:00 to 06:00	231	0	No	No	0	No	0	No
06:00 to 07:00	622	0	No	No	0	No	0	No
07:00 to 08:00	784	0	No	No	0	No	0	No

08:00 to 09:00	714	0	No	No	0	No	0	No
09:00 to 10:00	567	0	No	No	0	No	0	No
10:00 to 11:00	540	0	No	No	0	No	0	No
11:00 to 12:00	524	0	No	No	0	No	0	No
12:00 to 13:00	578	0	No	No	0	No	0	No
13:00 to 14:00	636	0	No	No	0	No	0	No
14:00 to 15:00	736	0	No	No	0	No	0	No
15:00 to 16:00	857	0	No	No	0	No	0	No
16:00 to 17:00	964	0	No	No	0	No	0	No
17:00 to 18:00	1006	0	No	No	0	No	0	No
18:00 to 19:00	715	0	No	No	0	No	0	No
19:00 to 20:00	465	0	No	No	0	No	0	No
20:00 to 21:00	376	0	No	No	0	No	0	No
21:00 to 22:00	252	0	No	No	0	No	0	No
22:00 to 23:00	167	0	No	No	0	No	0	No
23:00 to 00:00	120	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: Route 27 @ Elm

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

Warrant 8 Met? (A or B) Yes

Details:

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

Condition A, Total Entering Volume		Condition B, Non-normal Business Day	
Existing Peak Hour	1116	<u>Existing</u>	
Years	0.00	Highest Hour	0
Future Peak Hour	1116	Second Highest Hour	0
Warrant 1 in 5 Years?	No	Third Highest Hour	0
Warrant 2 in 5 Years?	Yes	Fourth Highest Hour	0
Warrant 3 in 5 Years?	No	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

Condition A Met? Yes

Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing

1: Route 27 @ Elm

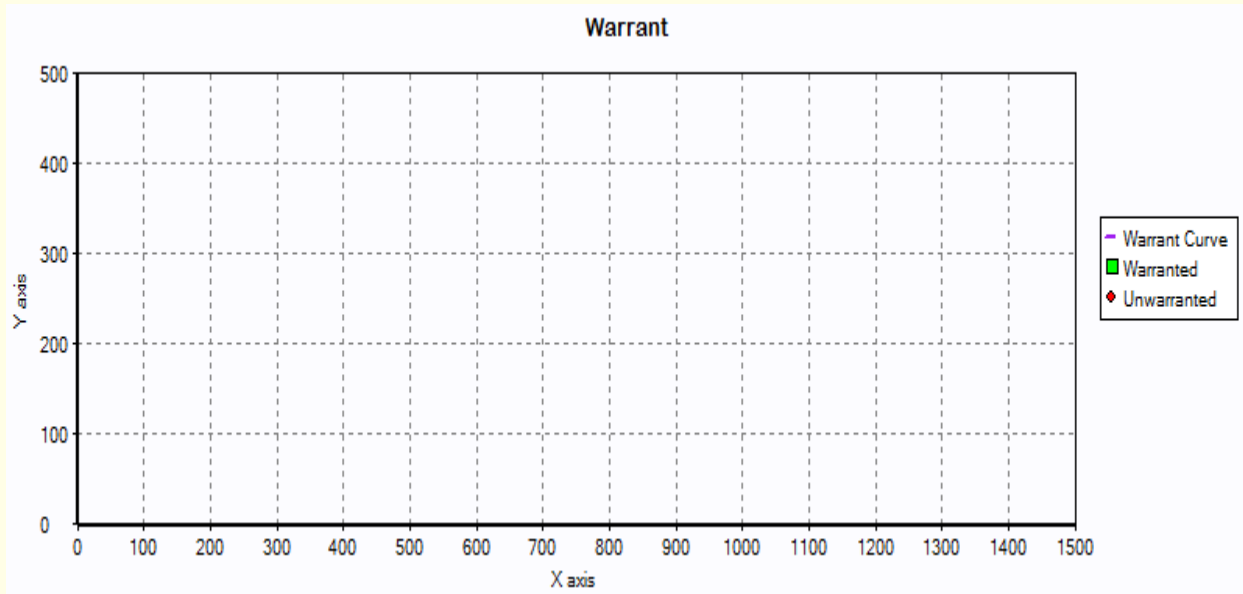
Intersection Information:

	Major Street	Minor Street
Street Name	Route 27	Elm Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	40	40

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: Route 27 @ Elm

Intersection Information:

Major Street Name	Route 27
Major Direction	EB/WB
Minor Direction	NB

AWSC Warrant Met? Yes

Details:

Condition A Met?	Yes
Condition B Met?	No
Condition C Met?	No

1 Hours Met (8 Required)

Qualifying Crashes	0
Major Street 85th-Percentile Speed	42.00
Major Street Speed Limit	40

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street Vehicles	Minor Street Vehicles	Northbound Bicycle Volumes		Northbound Bicycle Volumes		Major Street	Minor Street	
							(Total Vehicle Volume) >= 210	Avg(Veh + Ped + Bicycle) >= 200	Delay >= 30
07:00 to 08:00	784	234	0	0	0	0	Yes	No	No

6.7 Crash Rate Work Sheet

MassHighway

CRASH RATE WORKSHEET

CITY/TOWN : Hanson COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED : Source #

~ INTERSECTION DATA ~

MAJOR STREET : Main Street Route 27 RIN #

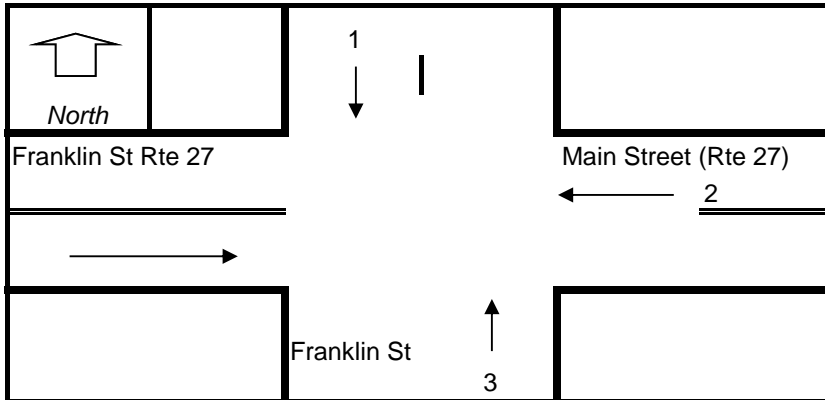
MINOR STREET(S) : Franklin Street RIN #

RIN #

RIN #

RIN #

**INTERSECTION
DIAGRAM**
(Label Approaches)



INTERSECTI
REF #

Peak Hour Volumes

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	609	0	396	138	1143	

" K " FACTOR : 0.09 APPROACH ADT : 12,700 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 7 # OF YEARS : 3 AVERAGE # OF ACCIDENTS (A) : 2.33

CRASH RATE CALCULATION : 0.503 RATE = $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : _____

District 5 Average:	Signalized	0.77	Statewide Average:	Signalized	0.81
	Unsignalized	0.58		Unsignalized	0.60

Percentage Difference				
District 5 Average:	Signalized	-34.63%	Statewide Average: Signalized	-37.86%
	Unsignalized	-13.21%	Unsignalized	-16.11%

MassHighway

CRASH RATE WORKSHEET

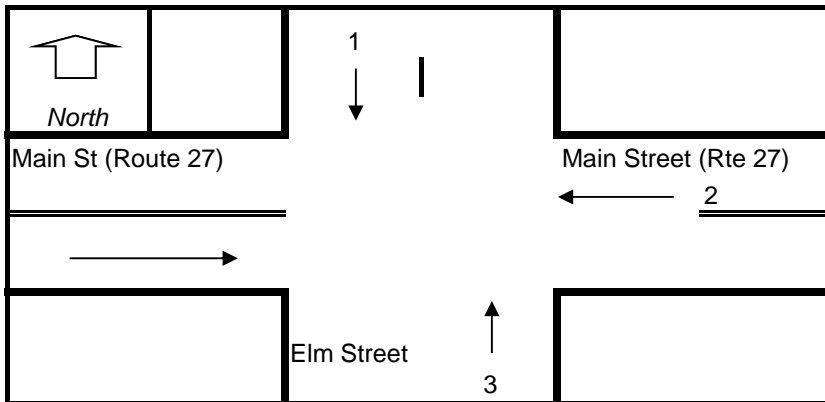
CITY/TOWN : Hanson COUNT DATE : 2013 **MHD USE ONLY**

DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED : Source #

~ INTERSECTION DATA ~

MAJOR STREET : Main Street Route 27 RIN #

MINOR STREET(S) : Elm Street RIN #



INTERSECTION DIAGRAM
(Label Approaches)

INTERSECTION REF #

Peak Hour Volumes

APPROACH :	1	2	3	4	5	6
DIRECTION :	SB	WB	NB	EB	Total	
VOLUMES (AM/PM) :	617	0	487	156	1260	

" K " FACTOR : 0.09 APPROACH ADT : 14,000 ADT = TOTAL VOL/"K" FACT.

TOTAL # OF ACCIDENTS : 8 # OF YEARS : 3 AVERAGE # OF ACCIDENTS (A) : 2.67

CRASH RATE CALCULATION : 0.522 RATE = $\frac{(A * 1,000,000)}{(ADT * 365)}$

Comments : _____

District 5 Average:	Signalized	0.77	Statewide Average:	Signalized	0.81
	Unsignalized	0.58		Unsignalized	0.60

Percentage Difference				
District 5 Average:	Signalized	-32.23%	Statewide Average: Signalized	-35.57%
	Unsignalized	-10.03%	Unsignalized	-13.02%