

HANOVER ROUTE 139 TRANSPORTATION CORRIDOR STUDY



Prepared under MassDOT Contract 88826
through Old Colony MPO FFY 2020 Unified
Planning Work Program Task 3400

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

September 2020



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Title VI Specialist
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Updated December 2019

Old Colony Planning Council

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

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Introduction

Study Area and Scope

This Hanover Route 139 Corridor Study is a comprehensive assessment of existing traffic and infrastructure conditions along a 3.6-mile-long section of Route 139 (Hanover Street and Rockland Street), from the Rockland Town Line to Columbia Road (Route 53). Figure 1 displays the geographic extent of the corridor study along with land use and zoning along the corridor.

Analysis of Existing Conditions

This Study includes traffic conditions (Volumes, Speeds, Vehicle Classifications) at the following pactions:

- Hanover Street, at Rockland Town Line
- Hanover Street, west of Plain Street
- Hanover Street, east of Plain Street
- Hanover Street, west of Grove Street
- Hanover Street, east of Grove Street
- Grove Street, north of Hanover Street
- Grove Street, south of Hanover Street
- Plain Street, north of Hanover Street
- Plain Street, south of Hanover Street
- Center Street, south of Hanover Street
- Center Street, north of Hanover Street
- Main Street, north of Hanover Street
- Hanover Street, west of Main Street
- Hanover Street, east of Main Street
- Hanover Street, north of Rockland Street
- Rockland Street, east of Hanover Street

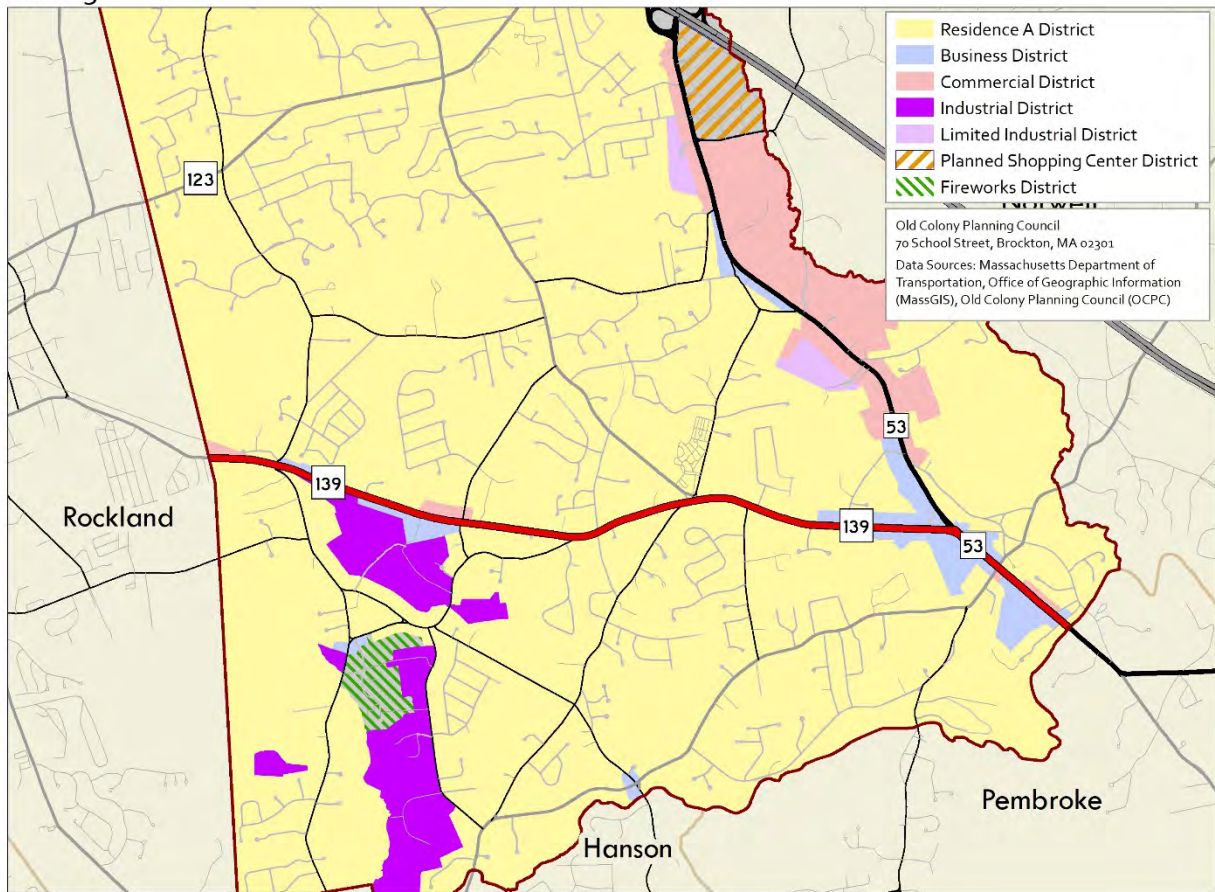
This Study also include peak hour turning movement counts, level of service analyses, and crash history analysis at the following intersections:

- Hanover Street at Circuit Street and Pleasant Street
- Hanover Street at Plain Street
- Pleasant Street at Circuit Street
- Hanover Street at Grove Street
- Hanover Street at Center Street (Dog Legged)
- Hanover Street at Main Street
- Hanover Street at Spring Street
- Rockland Street at Hanover Street
- Rockland Street at Columbia Road

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Figure 1: Geographic Scope and Land Use of Route 139 Corridor Study

Zoning



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Physical Inventory of the Corridor includes:

- Sidewalks and bicycle tracks and/or pedestrian paths
- Bicycle lanes
- Utility poles and lighting
- Traffic signal and pedestrian signals (location of poles and the direction and lanes the signals face)
- Signs, signage and traffic control (speed limits, stop signs, no turn on red, no parking and parking limitations, etc.)
- Utilities and fixtures including (but not limited to) guard rails, walls, traffic islands, curbs (granite or bituminous) and curb cuts
- Number of vehicular lanes and lane use, including pavement markings, crosswalks
- Land uses and landmarks
- Roadway widths, lane widths, as well as sidewalk and bicycle path widths

[Community Profile, Environmental Justice, and Title VI](#)

Hanover is a suburban community, located about 17 miles southeast of Boston. The population of Hanover in the 2010 Census was recorded as 14,570. The town has a median household income of \$120,000 (2018), which is above both that of the average for Plymouth County (85,654) and Massachusetts statewide (\$77,000). Over 97 percent of the town's residents are white, and the town does not have any environmental justice areas with significant populations of minority, low income, or English isolated persons.

The town is largely residential, with single family homes in low density development dominating the landscape. The Route 53 corridor is the main economic area of the town with retail and other commercial development along the entire corridor from the Norwell Town Line to the Pembroke town Line.

[Community Health and Health Impact Assessment](#)

Most points in Hanover are within 10 miles of South Shore Health (South Shore Hospital) in Weymouth and Signature Healthcare Brockton Hospital. Additional care services for acute medical needs are provided by South Shore Medical Center in Norwell and other urgent care facilities in the area. However, regardless of the relative proximity to these health care facilities, access is limited particularly for older and low-income populations as there are no public transportation options available to these facilities from Hanover.

In addition to these facilities for acute and health maintaining needs, a number of services are available in Hanover for the betterment of community health. The South Shore YMCA, the Hanover Council on Aging, and the Hanover Parks and Recreation department all provide services for social needs, physical health, and mental health.

The greatest impact from Route 139 on community health is the increase risk of injury to both drivers and non-motorized users in motor vehicle crashes along the corridor and respiratory impacts, particularly on sensitive populations, from any chronic congestion that occurs along

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the corridor. The high volume of traffic on Route 139 increases exposure and risk for crashes and injury. Chronic excessive vehicular delay at intersections and around major trip generators, such as the area around the town center, can result in elevated ground level vehicular emissions of carbon dioxide, carbon monoxide, volatile organic compounds, and nitrous oxides that can trigger acute respiratory related events in persons sensitive to these pollutants or with chronic respiratory disease.

Route 139 also presents a physical barrier between residents living south of the corridor and areas to the north. The Town of Hanover features natural areas for recreation on the northern side of the Route 139 corridor, such as the Colby Philips Property, the Hanover Greenway, the Hanover Playground area, and the Rockland Rail Trail. However, a lack of sidewalks in many areas along with a lack of pedestrian crossing controls for crossing Route 139 inhibit access to these areas for persons without an automobile

While the community is slightly older on average compared with the average of communities in Massachusetts (22.1% of total population over 60 years old vs. average of 21.2% statewide), this population is healthier on average than other Massachusetts communities. Older persons in Hanover have lower rates of tooth loss, depression, bipolar disorders, tobacco use, Alzheimer's, diabetes, asthma, osteoarthritis and rheumatoid arthritis, anemia, epilepsy, glaucoma, visual impairment, fibromyalgia, fatigue, and chronic pain. Older persons in Hanover are more likely to engage in health promoting behavior such as physical activity and regular doctor visits.

[Public Outreach](#)

Initial findings and existing conditions were presented at a public forum at Hanover Town Hall on February 4, 2020 at 7:00 PM. In addition to presenting to the in-person audience, the presentation was also televised live to the Town of Hanover via cable access television.

[Previous Studies and Planned Development](#)

Old Colony Planning Council surveyed previously prepared studies and planned developments for the preparation of this corridor study.

[Route 53 Corridor Study](#)

In 2018, the Old Colony Planning Council released the Old Colony Metropolitan Planning Organization's Route 53 Corridor Study, which examined conditions along Route 53 from the Norwell Town Line to the terminus of Route 53 at Route 3A in Kingston. This study included an assessment of the intersection of Rockland Street (Route 139) at Columbia Road / Washington Street (Route 53). This corridor is a major north-south arterial on the South Shore, and part of an interconnected regional highway network that includes Route 139.

[Hanover Crossing](#)

Hanover Crossing consists of a redevelopment of the Hanover Mall site, featuring a mixed-use development of an open-air retail complex with 297 "high end" residential units. The retail

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complex will feature the existing Macy’s store, along with a new multiscreen cinema, supermarket, eatery complex, and smaller scale retail stores. While developers believe most generated traffic will use route 3 Exit 13, which the site will have direct access to, the site (particularly the supermarket and cinema) will likely generate some traffic from points west, including from the Route 139 corridor.

While an annual regional average growth rate of 1 percent is typically used for traffic studies in the Old Colony region, for this Hanover Route 139 Corridor Study a projected annual growth rate of 2 percent is being used to accommodate future growth generated from Hanover Crossing along with other developments currently planned or under consortium along the Route 53 Corridor

Existing Conditions

A comprehensive assessment of existing infrastructure and traffic conditions was prepared based on collected traffic data, field observations, and data analysis.

Mainline Conditions

Average Daily Traffic, Travel Speeds, and Heavy Vehicle Traffic

Traffic data (directional traffic volumes, travel speeds, and vehicle classifications) was collected at several spots along Route 139 using automated traffic recorders. Table 1 summarizes the results of this data collection.

Table 1: Existing Traffic Conditions along Route 139

Location	Average Daily Volume			Speed Limit	85th Percentile Speed			% Heavy Vehicles		
	EB	WB	Total		EB	WB	Combined	EB	WB	Combined
Route 139, at Rockland Town Line	5,424	5,310	10,734	35 MPH	44 MPH	45 MPH	44 MPH	12.6%	13.4%	13.0%
Route 139, west of Plain Street	5,350	5,301	10,651	45 MPH	43 MPH	42 MPH	42 MPH	7.1%	6.2%	6.7%
Route 139, east of Plain Street	4,887	4,850	9,737	45 MPH	47 MPH	48 MPH	47 MPH	16.7%	14.4%	15.0%
Route 139, west of Grove Street	4,904	4,807	9,711	40 MPH	45 MPH	44 MPH	44 MPH	13.7%	5.4%	9.6%
Route 139, east of Grove Street	6,433	6,168	12,601	40 MPH	43 MPH	44 MPH	43 MPH	6.1%	5.6%	5.9%
Route 139, west of Main Street	8,433	8,429	16,862	40 MPH	38 MPH	40 MPH	39 MPH	12.2%	12.3%	12.2%
Route 139, east of Main Street	7,245	7,825	15,070	40 MPH	43 MPH	42 MPH	42 MPH	10.5%	10.2%	10.4%
Route 139, east of Hanover Street	6,745	6,471	13,216	45 MPH	44 MPH	44 MPH	44 MPH	5.6%	7.0%	6.8%

Traffic volume on Route 139 peaks on Hanover Street, between Main Street and Center Street, in front of the Hanover Town Hall. This is the location of the center of municipal government,

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and is where traffic flows from Center Street, Main Street, and Silver Street merge into Hanover Street.

With the exception of the western end of the corridor, near the Rockland Town Line, where the recorded 85th percentile speed was well in excess of the posted speed limit, data suggests speeding is not a major issue on Route 139. At nearly every location the 85th percentile speed was either only slightly above the posted speed limit, or under it.

Recorded vehicle classifications indicate that there is a high volume of commercial heavy vehicle traffic along Route 139. Route 139 is a major east-west arterial through the South Shore, and a major trucking route between the Route 3 / Route 53 corridors and the Routes 58, Route 139, Route 27, and Route 24 corridors and points west.

Crash History

A five-year period (January 1, 2015 through December 31, 2019) was surveyed using MassDOT's online crash portal to review and assess the crash history along the corridor. During this period, there were 177 reported crashes in the MassDOT system occurring on the corridor from the Rockland Town Line to and including the intersection with Columbia Road / Washington Street (Route 53). Fifty-two (52) of these crashes resulted in reported personal injury, while five of these injuries were incapacitating.

The following summarizes the manner of collision reported for these crashes:

- 87 Angled Collisions Between Two of More Vehicles (majority occurring at intersections)
- 36 Rear-End Collisions Between Two of More Vehicles
- 25 Single Vehicle Crashes
 - 10 Collisions with Utility Poles
 - 4 Collisions with Deer
- 21 Sideswipe Collisions Between Two of More Vehicles
 - 13 Same Direction
 - 8 Opposite Direction
- 8 Head on Collisions

Route 139 Between Rockland Town Line and Pleasant Street

There were three reported crashes that occurred on section of Route 139 between the Rockland Town Line and Pleasant Street (0.3 miles) from 2015 through 2019. One of these crashes resulted in personal injury.

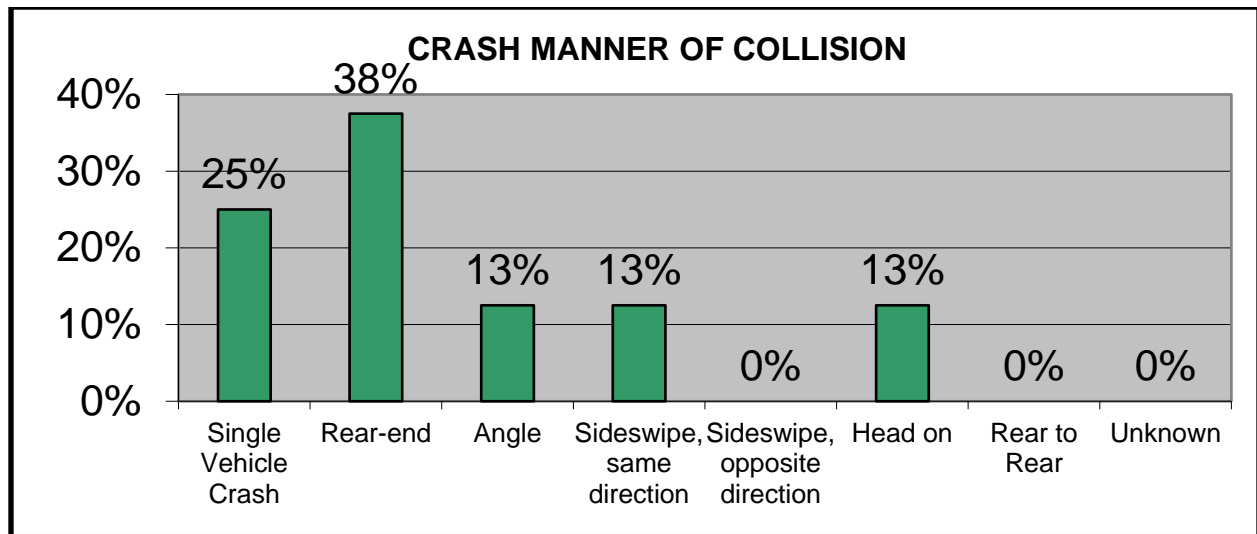
Route 139 Between Pleasant Street and Plain Street

There were eight reported crashes that occurred between Pleasant Street and Plain Street (0.85 miles) from 2015 through 2019. Three of the crashes reported minor personal injuries (non-fatal, non-incapacitating) resulting from them.

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Three of the collisions occurring along this stretch of roadway were rear-end collisions between two or more vehicles, while two of the crashes were single vehicle crashes where the driver departed the roadway and struck an object. Figure 2 breaks down the collision type of crashes occurring on this section of highway. Four of the reported crashes occurred at 1222 Hanover Street, a combination gas station and coffee shop business. A high volume of turning movements in and out of this property are likely the main contributing factor to crashes at this location.

Figure 2: Manner of Collision of Crashes on Route 139 Between Pleasant Street and Plain Street



Route 139 Between Plain Street and Circuit Street

There were four reported crashes that occurred on the section of Route 139 between Plain Street and Circuit Street (0.5 miles) from 2015 through 2019. One of these crashes resulted in personal injury. The crashes were reported as:

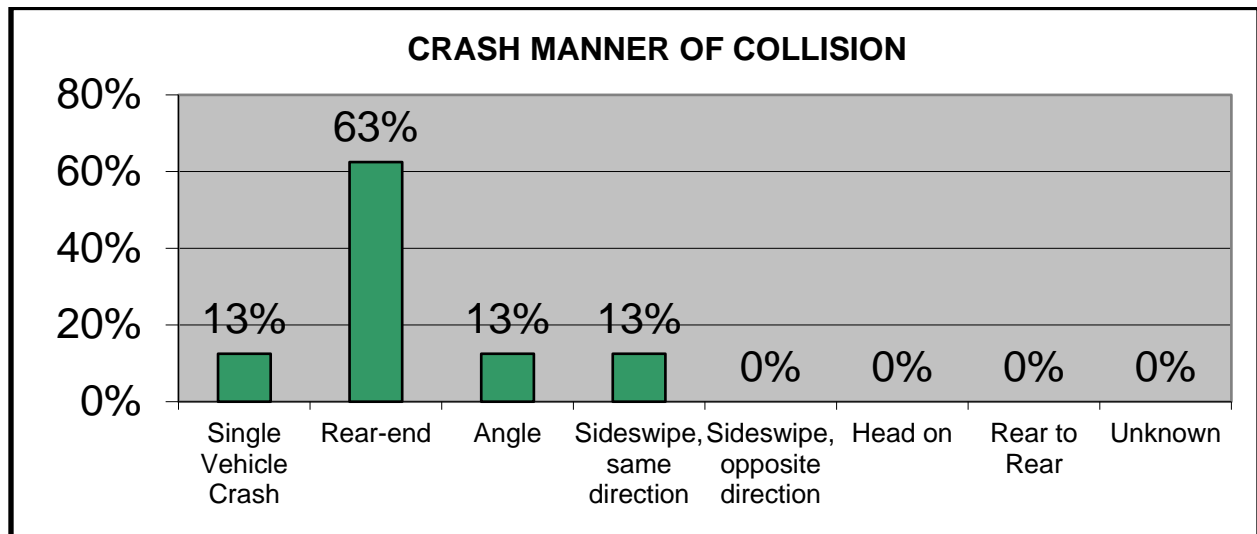
- 2 Single Vehicle (Lane Departure) Crashes
- 1 Rear-End Collision between 2 Vehicles
- 1 Sideswipe Collision between 2 vehicles moving in opposite directions

Route 139 Between Grove Street and Center Street

There were eight reported crashes that occurred on the section of Route 139 between Grove Street and Center Street (0.4 miles) from 2015 through 2019. One of these crashes resulted in personal injury. Three of the crashes reported minor personal injuries (non-fatal, non-incapacitating) resulting from them.

The majority of crashes (5 of a total of 8) occurring along this stretch of roadway are rear-end collisions between two or more vehicles. Figure 3 shows the types of collisions reported on this section of Route 139.

Figure 3: Manner of Collision of Crashes on Route 139 Between Grove Street and Center Street

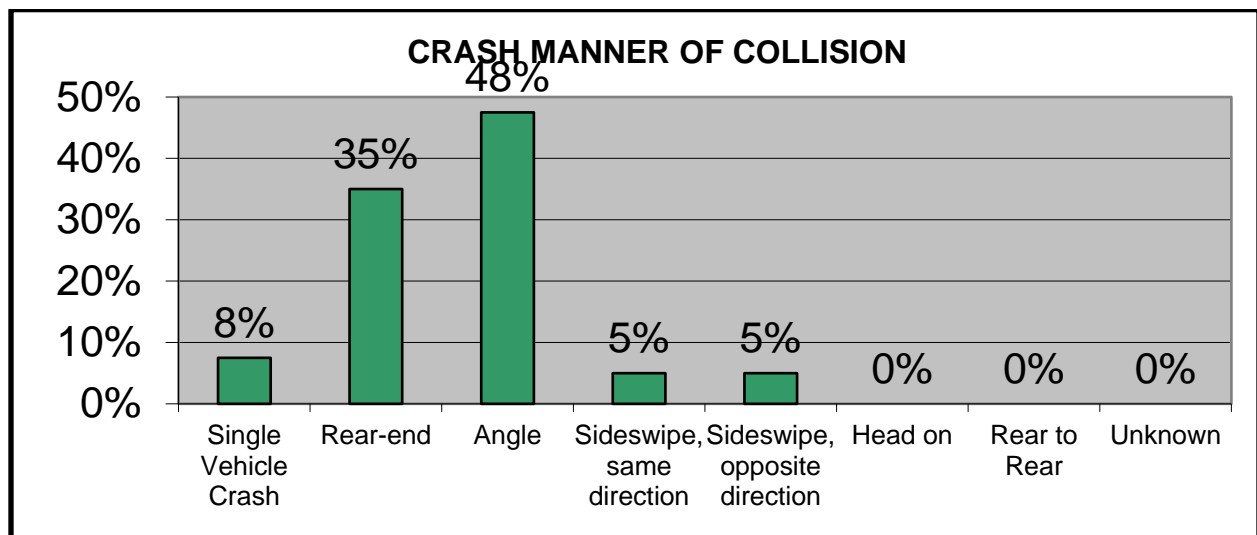


Hanover Center: Route 139 Between Center Street and Spring Street (including Intersections of Route 139 at Center Street and Route 139 at Main Street)

The section of Route 139 through Hanover Center, between Center Street and Spring Street (0.3 miles), has the highest traffic volume on the corridor and is also has the highest concentration of crash activity. There were 40 reported crashes on this section of roadway from 2016 through 2019. Thirteen of these crashes resulted in personal injury, and one of these injuries was reported as a serious incapacitating injury.

Most of the crashes occurring on this section of Route 139 are either angled collisions or rear-end collisions, mostly occurring at intersections and driveways. Figure 4 shows the reported collision type for the crashes.

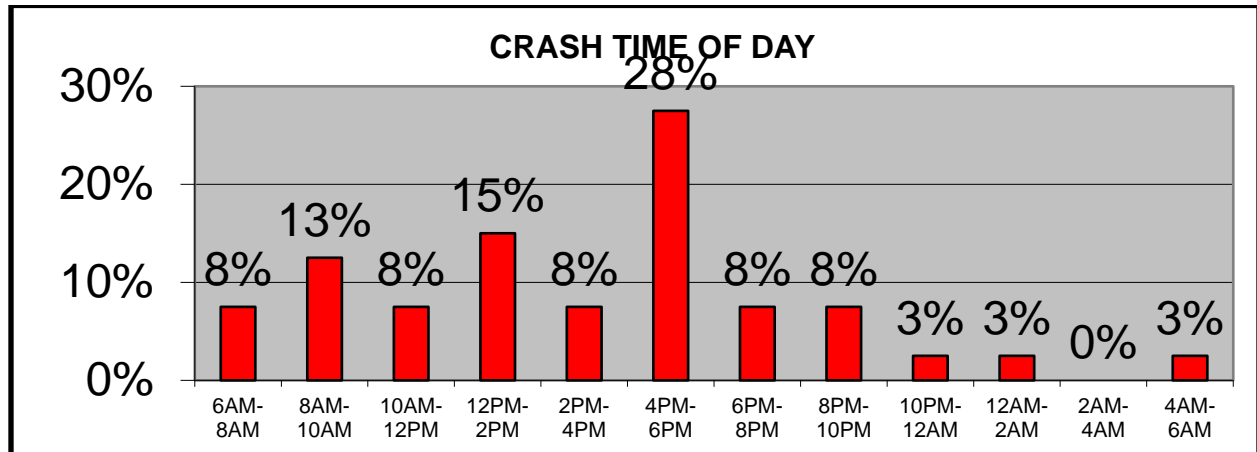
Figure 4: Manner of Collision of Crashes on Route 139 through Hanover Center



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With the exception of a spike in crashes between 4:00 PM and 6:00 PM, which coincides with the typical weekday evening commute and time frame of employees and visitors leaving Town Hall, crashes are otherwise relatively evenly dispersed throughout the day. Figure 5 shows the time of day reported crashes in Hanover Center occurred.

Figure 5: Reported Time of Day of Crashes on Route 139 through Hanover Center



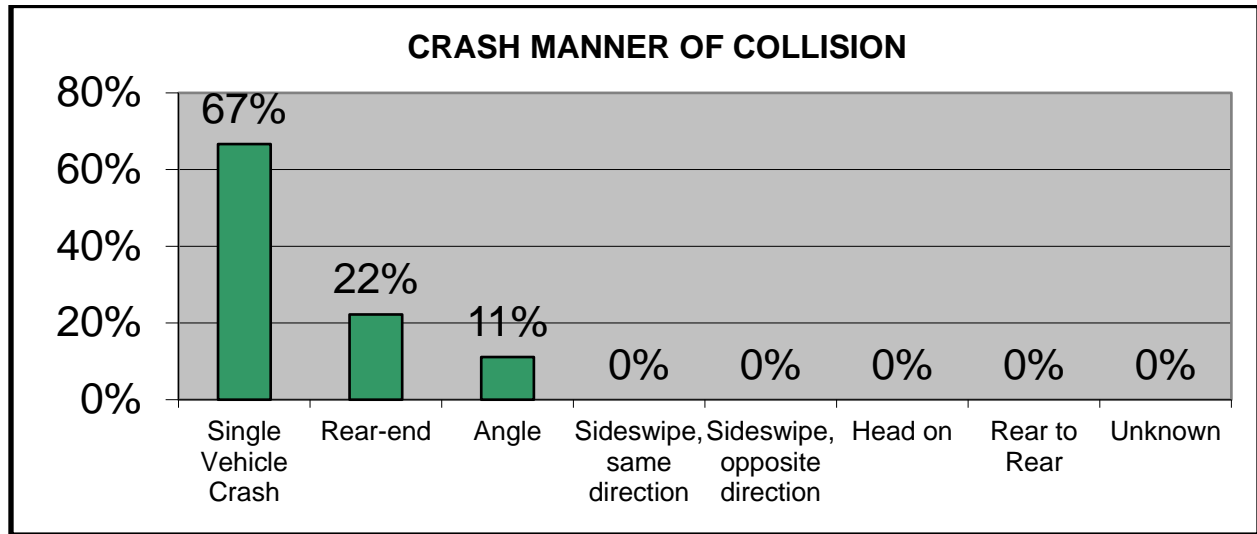
Specific focus on the intersections of Hanover Street (Route 139) at Center Street (each leg), and Hanover Street (Route 139) at Main Street is discussed in more detail in their respective sections under the “Intersection” header of this report.

Route 139 Between Spring Street and Hanover Street

There were nine reported crashes that occurred on the section of Route 139 between Spring Street and Hanover Street (0.45 miles) from 2015 through 2019. Two of the crashes reported resulted in personal injury, one of which was considered a serious incapacitating injury.

A high percentage of crashes occurring on this section of roadway were single vehicle (lane departure) crashes. Figure 6 shows the reported collision type for the crashes.

Figure 6: Manner of Collision of Crashes on Route 139 from Spring Street to Hanover Street

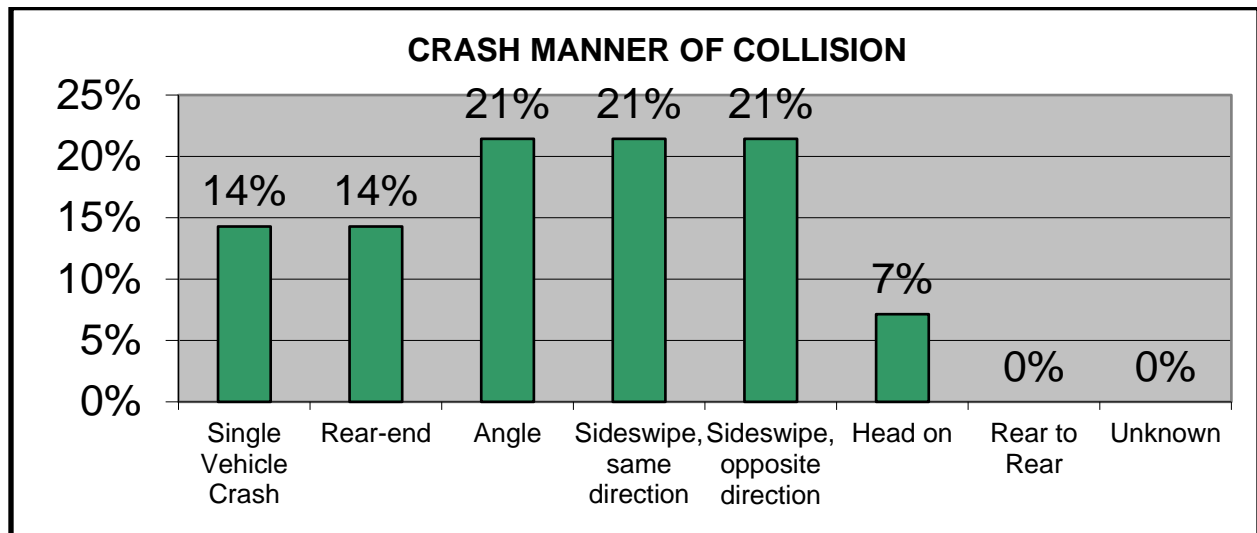


Route 139 Between Hanover Street and Route 53

There were fourteen reported crashes that occurred on a section of Route 139 between Hanover Street and Columbia Road (Route 53) (0.5 miles) from 2015 through 2019. Seven of the crashes reported resulted in personal injury, one of which was considered a serious incapacitating injury.

Manner of collision for crashes occurring on this section of roadway varies significantly without a clear predominant type of crash. Figure 7 shows the reported collision type for the crashes.

Figure 7: Manner of Collision of Crashes on Route 139 from Hanover Street to Route 53



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Pavement Conditions and Striping

Pavement along Route 139 is generally in good to fair condition. Longitudinal cracking, utility patches in spots that are settling, and mild rutting were the main pavement distresses noticed along the corridor. No significant potholes or other major pavement distresses were observed. Despite what appears to be some clogging from debris in grates and overgrown vegetation, catch basins are in good condition and there does not appear to be any signs of significant ponding or flooding along the corridor. Striping is in fair condition, with fog lines and center lines faded and broken in spots, especially west of Hanover Town Center.

Pedestrian and Bicycle Infrastructure

Route 139 has a sidewalk on both sides for the entire length of highway from Route 53 to the Rockland Town Line. The sidewalks generally range between 3 and 5 feet in width and consist of granite curbing and asphalt surface in most areas except for in the area of the town center. The sidewalks are constructed with decorative red brick between 590 Hanover Street and the Hanover Playground / Hanover School Camoes. They are generally in fair condition, with subsiding curb reveal in spots, and some cracking and vegetation growth throughout the entire stretch.

There are crosswalks at most entering side streets; however, ADA ramps are inconsistent and generally not ADA compliant. In addition to crosswalks at side streets, there are five crosswalks crossing Route 139 in the area of the town center, between Hanover Town Hall and Saint Mary's parish. While the crosswalks in front of Town Hall and Saint Mary's are marked, the others lack appropriate signage.

Currently, there aren't any bicycle lanes along the corridor, and shoulders that can serve as a bicycle lane are limited. Due to the lack of bicycle infrastructure, the option for choosing the bike as a travel mode is challenging for most with significant safety concerns for all but experienced expert riders. With one bicycle/car involve crash recorded in 2019, the Town of Hanover should start to consider bicycle transportation infrastructure for Route 139.

Roadway Lighting

Much of the Route 139 corridor though Hanover is minimally lit, with overhead lighting generally only located at intersections. The combination of the minimal lighting and wooded, low density development along much of the corridor results in dark roadway conditions at night. However, the area of Hanover Street around the town center is well lit, and the eastern end of the roadway between the intersection of Hanover Street at Rockland Street and the intersection of Columbia Road (Route 53) at Rockland Street is well lit with both overhead lighting and ambient lighting from light commercial roadside development.

Signage

Signage along Route 139 is generally in good physical shape, and appropriate for the given applications. There is a lack of appropriate crosswalk signage in the areas of the town center,

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and while some intersection ahead warning signs include intersecting street name placards, others do not.

Intersection Conditions

Hanover Street (Route 139) at Pleasant Street and Circuit Street

The intersection of Hanover Street at Pleasant Street and Circuit Street has an unconventional design. The primary intersection is a four-legged intersection controlled by traffic signals, with Circuit Street approaching Hanover Street from the southeast and Pleasant Street approaching Hanover Street from the northeast. A channelized lane separated by a raised vegetated island receives right turns from Hanover Street westbound, and forms a secondary four-legged un-signalized intersection with Circuit Street immediately adjacent to the primary intersection.

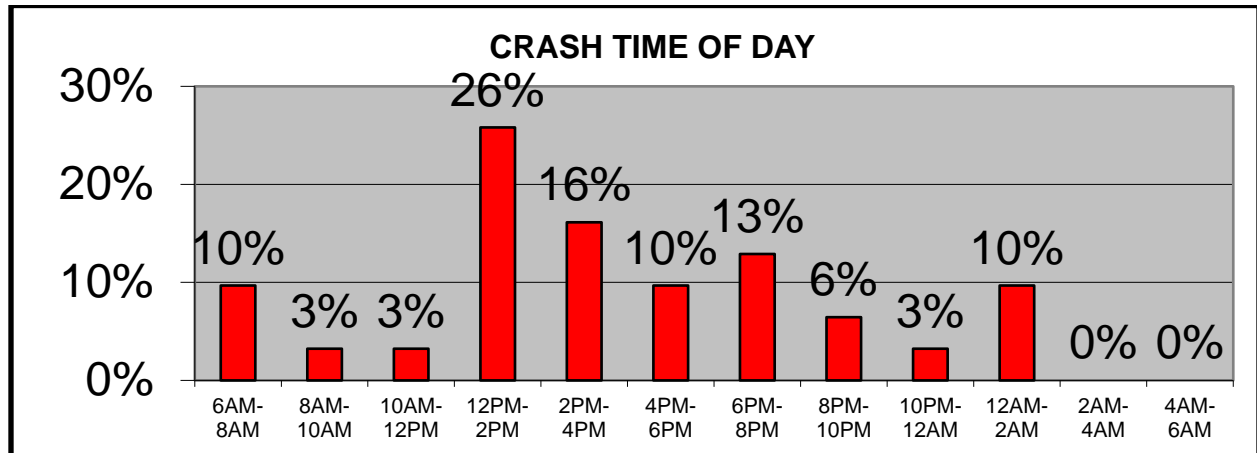
Table 2: Level of Service and Crash Rate for Route 139 at Pleasant Street and Circuit Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Pleasant Street and Circuit Street	23,167	F	F	0.73
<i>Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach</i>				

Table 2 summarizes the morning and afternoon peak levels of service and the crash rate for the intersection. The traffic signals are an older system, with two-phased operation allowing concurrent unprotected east and west movements followed by concurrent north and south. Occasional delays are experienced during the peak demand hours, with through movements often impeded by drivers waiting to make left turns. The intersection does not have any pedestrian controls or phasing, despite sidewalks on both sides of Hanover Street (Pleasant Street and Circuit Street do not have any sidewalks). The northern, southern, and western legs of the intersection have crosswalks.

From January 1, 2015 through December 31, 2019, there were 31 reported crashes at this intersection, with a crash rate of 0.73 crashes per million entering vehicles, about average (0.75) for signalized intersections in the MassDOT District Five (southeastern Massachusetts) region. Eleven (35%) of these crashes resulted in a personal injury. The majority (65%) of crashes are angled collisions. Of particular note is nearly half of all crashes occur in the early to midafternoon hours. This may coincide with the dismissal of schools, particularly the high school. Figure 8 shows the time of day for reported crashes at the intersection.

Figure 8: Time of Day for Crashes at Route 139 and Pleasant Street and Circuitry Street



Hanover Street (Route 139) at Plain Street

Hanover Street (Route 139) at Plain Street is a four-way un-signalized intersection controlled by STOP signs on the northbound and southbound approaches of Plain Street. There are crosswalks crossing Plain Street and connecting sidewalks on both sides of Hanover Street. Ramps are present; however, they lack detectable panels. Table 3 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The heavy stream of traffic on Route 139 during peak hours makes entering the roadway difficult for drivers entering from Plain Street, resulting in delay at times. Partially hindered sight lines from vegetation and roadside objects appear to contribute to delay as well as present an increased level of hazard.

Table 3: Level of Service and Crash Rate for Route 139 at Plain Street

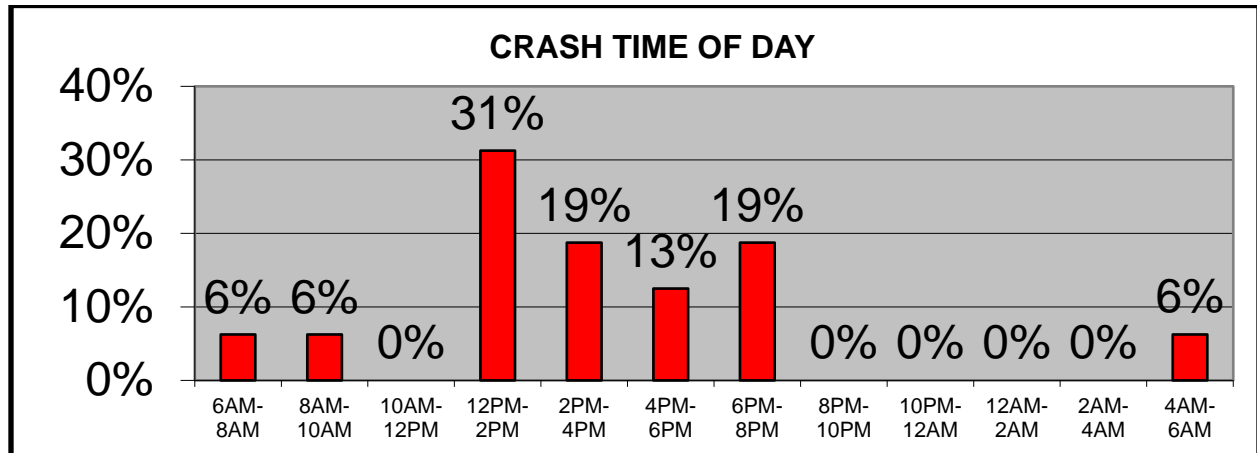
Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Plain Street	12,078	F	F	0.73

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

The intersection had 16 reported crashes from 2015 through 2019, resulting in a crash rate of 0.73 crashes per million entering vehicles which is well above the regional MassDOT District Five average for un-signalized intersections. Furthermore, 10 of the 16 crashes (63%) resulted in personal injury.

The majority of crashes (88%) accruing at this location are angled. Figure 9 shows the time of day for crashes at this intersection. Most crashes are generally occurring in the midday and afternoon.

Figure 9: Time of Day for Crashes at Route 139 and Plain Street



Hanover Street (Route 139) at Circuit Street

Circuit Street approaches Hanover Street at a skewed angle from the southwest, forming a three-way unsignalized intersection with STOP sign controls on the Circuit Street approach. A raised landscaped island separates the approach and receiving lanes of Circuit Street at the intersection. Table 4 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection performs well, with only moderate delay observed during the morning and afternoon peak hours.

Table 4: Level of Service and Crash Rate for Route 139 at Circuit Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Circuit Street	13,756	C	C	0.08

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

There were two reported crashes at the intersection from 2015 through 2019, both involving personal injury, resulting in a crash rate of 0.08 crashes per million entering vehicles, well below the regional MassDOT District Five average.

Hanover Street (Route 139) at Gove Street

Hanover Street (Route 139) at Grove Street is a four-way un-signalized intersection controlled by STOP signs on the northbound and southbound approaches of Grove Street. There are crosswalks crossing Grove Street and connecting sidewalks on both sides of Hanover Street. Ramps are present; however, they lack detectable panels. Table 5 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The heavy

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stream of traffic on Route 139 during peak hours makes entering the roadway difficult for drivers entering from Grove Street, resulting in delay at times.

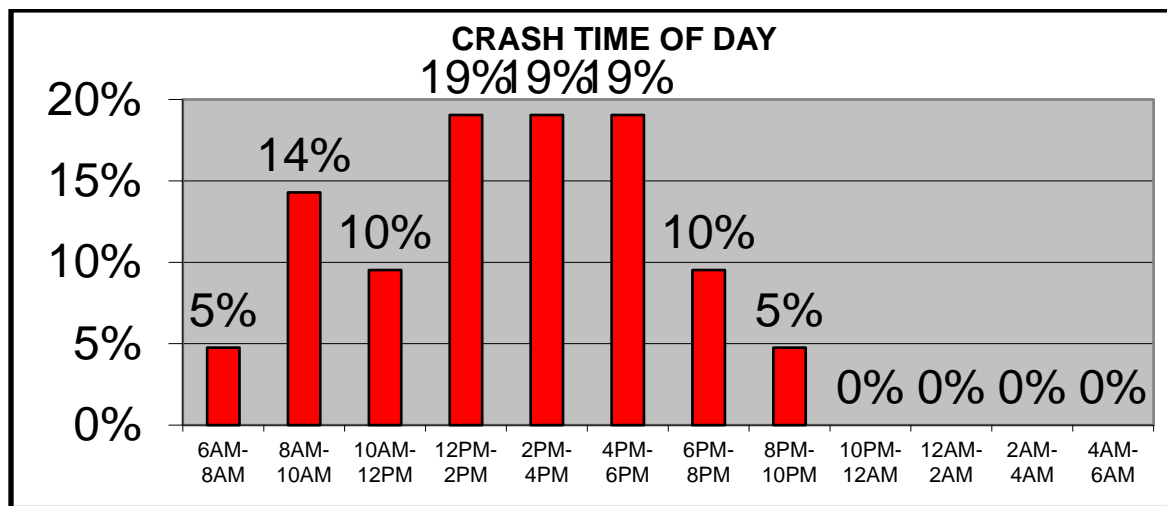
Table 5: Level of Service and Crash Rate for Route 139 at Grove Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Grove Street	14,967	F	F	0.77

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

In addition to traffic volume on Route 139, limited sight lines also contribute to difficulty and increase hazard risk for drivers entering from Grove Street. The intersection is located on the crest of a vertical curve, and also just east of a horizontal curve in the roadway. Furthermore, the two approaches of Grove Street are slightly askew from each other.

Figure 10: Time of Day for Crashes at Route 139 and Grove Street



From 2015 through 2019, there were 21 reported crashes that occurred at this location. Seven (33%) of those crashes reported personal injury as a result of the crash. The majority (81%) of the crashes were angled collisions. Figure 10 displays the time of day for reported crashes. Nearly 60 percent of the crashes occurred in the afternoon, between noon and 6:00 PM, which coincides with the time frame when traffic volume is typically highest.

Hanover Street (Route 139) at Center Street

The southern leg of Center Street approaches Hanover Street at a skewed angle from the southwest, forming a three-way unsignalized intersection 175 feet west of where the northern leg of Center Street intersects Hanover Street. The intersection is controlled with STOP sign controls on the Center Street approach. There is a wide curb-cut on Center Street, located right

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at the intersection, that opens into the Town Hall parking lot, with access to the Curtis Free Library as well. A crosswalk crosses Center Street, connecting sidewalks on either side. Table 6 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection experiences delay during the morning and afternoon peak demand hours.

Table 6: Level of Service and Crash Rate for Route 139 at Center Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Center Street	18,722	F	D	0.06
<i>Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach</i>				

Hanover Street (Route 139) at Center Street / Town Hall Driveway

The northern leg of Center Street approaches Hanover Street at a four-way unsignalized intersection 175 feet east of where the southern leg of Center Street intersects Hanover Street. A driveway for Hanover Town Hall serves as the fourth leg of the intersection. The intersection is controlled with a STOP sign control on the Center Street approach, while the Town Hall driveway does not have any signed or painted controls. A crosswalk crosses Center Street, connecting sidewalks on either side. Table 7 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection experiences delay during the morning and afternoon peak demand hours, particularly when schools are dismissing and town hall employees are leaving work for the day.

Table 7: Level of Service and Crash Rate for Route 139 at Center Street / Town Hall

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Center Street / Town Hall Drive	18,611	F	F	0.24
<i>Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach</i>				

Eight crashes were reported as occurring at the intersection from 2015 through 2019, which equates to a crash rate of 0.24 crashes per million entering vehicles. The crash rate is below the regional average of crash rate 0.57/MEV for unsignalized intersections. Four (50%) of the crashes resulted in personal injury. Over half of the crashes were rear-end collisions between two or more vehicles on Hanover Street.

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Hanover Street (Route 139) at Main Street

Main Street approaches Hanover Street at a three-way unsignalized intersection 275 feet east of Center Street. The intersection is controlled with a STOP sign control on the Main Street approach, which is slightly flared allowing right turning and left turning vehicles to queue side by side. A raised vegetated island splits the center median. Silver Street comes into Main Street 125 feet north of Hanover Street, creating a complex traffic pattern approaching and through these intersections. A crosswalk crosses Main Street, connecting sidewalks on either side. Table 8 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection experiences delay during the morning and afternoon peak demand hours, particularly when schools are dismissing and town hall employees are leaving work for the day.

Table 8: Level of Service and Crash Rate for Route 139 at Main Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Main Street	22,356	F	F	0.44

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

Eighteen (18) crashes were reported as occurring at the intersection from 2015 through 2019, which equates to a crash rate of 0.44 crashes per million entering vehicles. The crash rate is below the regional average crash rate 0.57/MEV for unsignalized intersections. Three (17%) of the crashes resulted in personal injury. Figure 11 shows the time of day for reported crashes, while figure 12 shows the manner of collision. Thirty-nine percent (39%) of the crashes occurring at this intersection occurred during the late afternoon / early evening commute from 4:00 PM to 6:00 PM. Sixty-seven (67%) percent of the crashes were angled collisions, while 17 percent were read-end collisions.

Figure 11: Time of Day for Crashes at Route 139 and Main Street

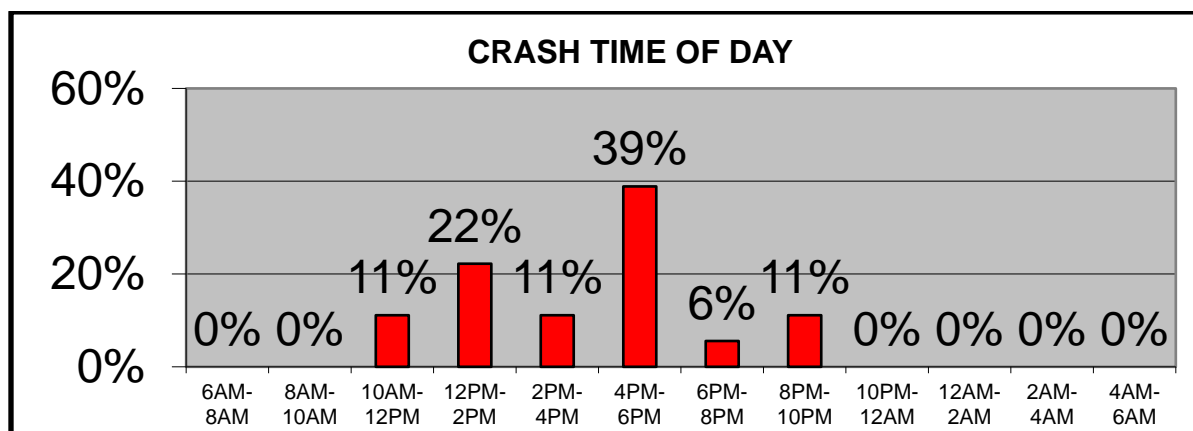
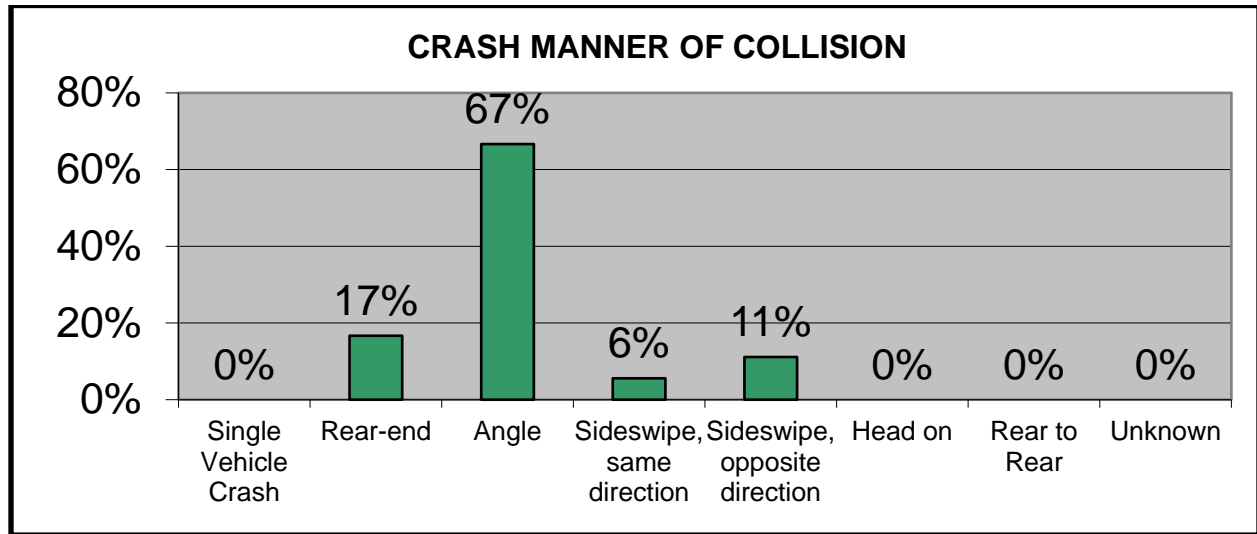


Figure 12: Manner of Collision for Crashes at Route 139 and Main Street



Hanover Street (Route 139) at Spring Street

Hanover Street (Route 139) at Spring Street is a three-way un-signalized intersection controlled by STOP signs on the Spring Street approach. There aren't any crosswalks crossing Spring Street, although there are sidewalks on either side. The eastbound approach of Hanover Street has a wide, flaring right turn onto Spring Street. A raised landscaped island splits the traffic flow on Spring Street at the intersection. Table 9 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The heavy stream of traffic on Route 139 during peak hours makes entering the roadway difficult for drivers entering from Spring Street, resulting in delay at times.

Table 9: Level of Service and Crash Rate for Route 139 at Spring Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Spring Street	16,933	F	F	0.16

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

Five (5) crashes were reported as occurring at the intersection from 2015 through 2019, which equates to a crash rate of 0.16 crashes per million entering vehicles. The crash rate is below the regional average of crash rate 0.57/MEV for unsignalized intersections. One (20%) of the crashes resulted in personal injury.

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Rockland Street (Route 139) at Hanover Street

Route 139 at Hanover Street is a three-way un-signalized intersection controlled by STOP signs on the Hanover Street approach. There is a crosswalk crossing Hanover Street, connecting sidewalks on either side. A raised landscaped island splits traffic flow on the northern Hanover Street leg, and extends into the crosswalk impeding ADA mobility. Table 10 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection operates efficiently, with only minimal delays during the peak demand hours.

Table 10: Level of Service and Crash Rate for Route 139 at Hanover Street

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 139 at Hanover Street	16,133	B	C	0.27
<i>Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach</i>				

Eight (8) crashes were reported as occurring at the intersection from 2015 through 2019, which equates to a crash rate of 0.27 crashes per million entering vehicles. The crash rate is below the regional average of crash rate 0.57/MEV for unsignalized intersections. One (13%) of the crashes resulted in personal injury.

Rockland Street (Route 139) at Columbia Road (Route 53)

The junction of Rockland Street (Route 139) and Columbia Road (Route 53) form a major four-way signalized intersection with multiple lane approaches on each leg. The eastbound and westbound approaches of Rockland Street have split phasing, while the Route 53 approaches feature protected left turns with storage lines and concurrent through movements. Three of the approaches have channelized right turns separated by raised concrete splitter islands, while the westbound approach of Rockland Street is slightly flared on the right turn. The northern leg of Route 53 and the eastern leg of Rockland Street have crosswalks. Although not ADA accessible. The traffic signal system does include pedestrian activated crossing controls. Table 11 summarizes the weekday morning and afternoon peak levels of service and crash rate for the intersection. The intersection experiences moderate to significant delays during peak demand hours.

Table 11: Level of Service and Crash Rate for Route 139 at Route 53

Intersection	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)
Route 53 at Route 139	32,789	D	E	0.42

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. LOS for un-signalized intersections based on delay of critical (heaviest volume) stop controlled approach

Twenty-five (25) crashes were reported as occurring at the intersection from 2015 through 2019, which equates to a crash rate of 0.42 crashes per million entering vehicles. The crash rate is below the regional average of crash rate 0.75/MEV for signalized intersections. Ten (40%) of the crashes resulted in personal injury. Figure 13 displays the time of day reported crashes occurred at the intersection, while figure 14 displays the manner of collision. Nearly half of all crashes are occurring in the early to midafternoon, between noon and 4:00 PM. Forty percent of the crashes occurring are rear-end collisions while 36 percent are angled collisions.

Figure 13: Time of Day for Crashes at Route 139 and Route 53

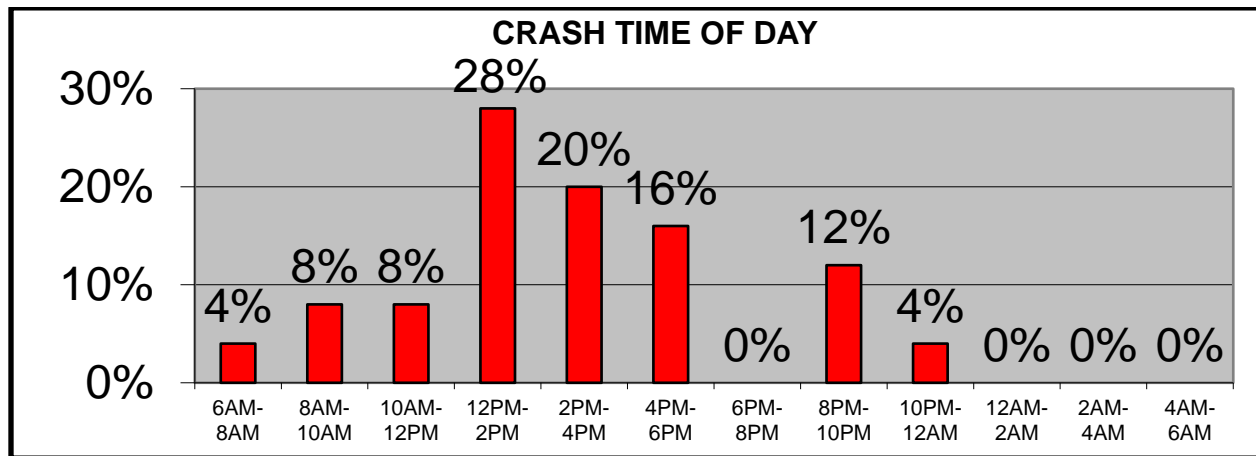
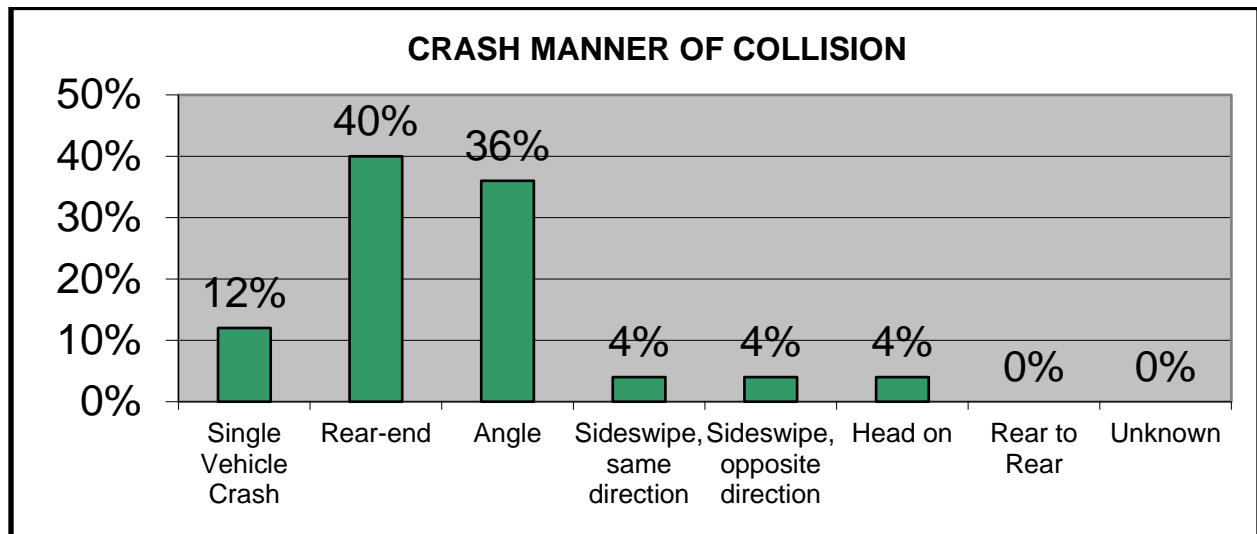


Figure 14: Manner of Collision for Crashes at Route 139 and Route 53



Transit Operations

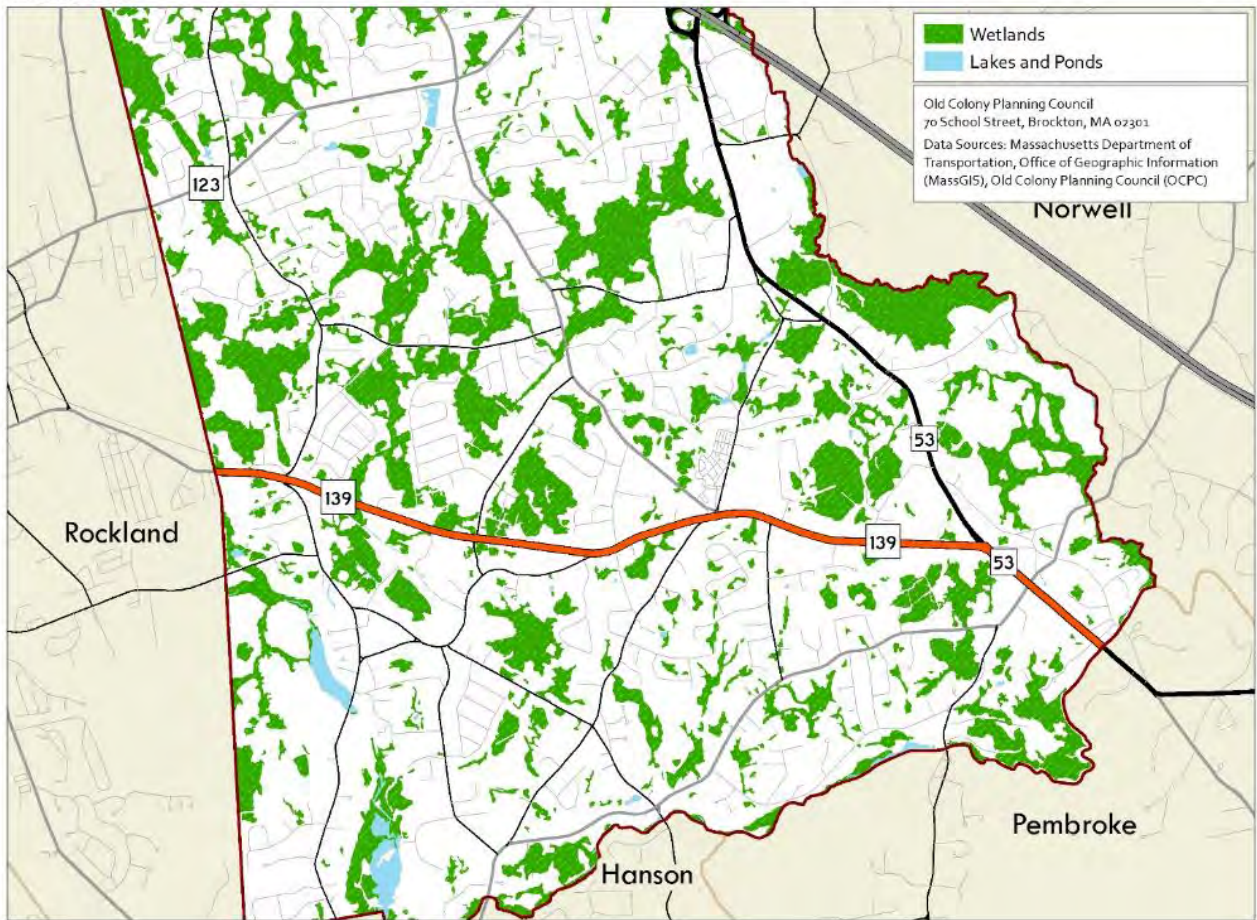
While in the Greater Attleboro Taunton Regional Transit Authority (GATRA) service area, the Town of Hanover currently does not have any transit service. The Hanover Council on Aging provides transportation needs for human services.

Environmental Conditions and Constraints

Much of the landscape along Route 139 is wooded, with numerous wetlands either immediately adjacent to the roadway or nearby. Figure 15 shows the location of wetlands in Hanover. Any potential infrastructure improvements to the intersection of Route 139 and Plain Street may encroach on and impact wetlands. Otherwise, any potential improvements suggested in this traffic study are not expected to have impacts on wetlands nor any other increased burden on the natural environment.

Figure 15: Environmental Constraints along Route 139, Hanover

Wetlands



Future Conditions and Operations

For this Corridor Study, a 5-year projection was used to determine future traffic conditions based on both no-build (no proposed improvements or changes to design) scenarios, and on conceptual design scenarios where movements have been recommended for consideration. While the historical background annual growth rate for the region is about 1 percent, an annual growth rate of 2 percent was used to conservatively account for any associated new trip generation from the redevelopment of the Hanover Mall and other development occurring in the area.

Table 12 displays existing traffic conditions, and compares it to no-build conditions based on five years of potential growth.

Table 12: Existing 2020 Conditions and Estimated 2025 No-Build Scenario Conditions

Intersection	Existing 2020 Conditions				Estimated 2025 No Build Conditions		
	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	Crash Rate (Crashes/MEV)	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS
Route 139 at Pleasant Street and Circuit Street	23,167	F	F	0.73	25,484	F	F
Route 139 at Plain Street	12,078	F	F	0.73	13,286	F	F
Route 139 at Circuit Street	13,756	C	C	0.08	15,132	C	C
Route 139 at Grove Street	14,967	F	F	0.77	16,464	F	F
Route 139 at Center Street	18,722	F	D	0.06	20,594	F	F
Route 139 at Center Street / Town Hall Drive	18,611	F	F	0.24	20,472	F	F
Route 139 at Main Street	22,356	F	F	0.44	24,592	F	F
Route 139 at Spring Street	16,933	F	F	0.16	18,626	F	F
Route 139 at Hanover Street	16,133	B	C	0.27	17,746	C	D
Route 53 at Route 139	32,789	D	E	0.42	36,068	D	E

Crash rate based on MassDOT Crash Data from January 1, 2015 through January 31, 2019. Regional MassDOT District 5 average crash rates are 0.75 for signalized intersections and 0.57 for un-signalized intersections. For un-signalized intersections, LOS is given for critical (heavier volume) approach

Planned Improvements

At the time of the development of this report (Spring 2020), there were no known planned improvements scheduled for or along Route 139 in Hanover. However, nearby and connecting Route 53 was recently resurfaced by the Massachusetts Department of Transportation (MassDOT).

Recommendations and Conclusion

Hanover Street (Route 139) at Pleasant Street and Circuit Street

The traffic signal system at this intersection is an older system, with a simple two-phased operation and no pedestrian or bicycle controls. While the Route 139 approaches have 2 lanes each and therefore provide some storage for left turning vehicles, there is no left turn protection. Left turning vehicles from all four approaches must wait and cross against heavy

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streams of oncoming vehicles, significantly contributing to delay and increasing the hazard level to drivers.

Upgrading this intersection with new traffic signals and some geometric improvements that would allow for protected-permitted left turns could significantly improve both delay and safety at this intersection. Adding backplates to the traffic signal heads could improve visibility during high glare times of day due to the east-west alignment of Route 139 at this location. Extending sidewalks through the intersection and providing pedestrian crossing controls and bicycle loop detectors could enhance community mobility and health, given the proximity of the intersection to the Colby-Philips trails, the Hanover Green Way, and the Hanover Branch Rail Trail.

Hanover Street (Route 139) at Plain Street

While both Plain Street approaches experience delay and poor levels of service during the morning and evening peak demand hours, improving safety is the primary focus at this intersection. Both lower cost options that can be implemented in the near term along with higher cost improvements that typically take years to design, program, and construct have been considered.

Lower cost, near term options to improve safety at this location include:

- Upgrading advance intersection warning signage on both approaches of Route 139, in accordance with the MUTCD
- Clear roadside vegetation and increase clearance of overhead tree canopies to improve sight lines
- Upgrade STOP signs on Plain Street, in accordance with MUTCD
- Conduct a Road Safety Audit with a multidisciplinary team to identify deficiencies and other potential improvements.

Higher cost, longer term capital improvement options to improve safety at this location include reconstructing the intersection with the installation of either a roundabout or traffic signal. A roundabout could very efficiently process traffic demand while also dramatically improving safety. Level of service analysis of a conceptual traffic signal design suggests the intersection would also operate efficiently while also providing safety improvement.

Table 13 shows estimated future 2025 conditions at the intersection based on no-build scenarios compared to conceptual levels of service assuming reconstruction of the intersection with either a roundabout or traffic signals. It is estimated the intersection would operate efficiently with either of these potential improvements.

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Table 13: Future 2025 No-Build and Conceptual Build Conditions for Route 139 at Plain Street

Intersection	Estimated 2025 No Build Conditions			Roundabout Build		Traffic Signal Build	
	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	AM Peak LOS	PM Peak LOS	AM Peak LOS	PM Peak LOS
Route 139 at Plain Street	13,286	F	F	A	A	B	B
<i>For un-signalized intersections, LOS is given for critical (heavier volume) approach</i>							

Another potential improvement considered at this location is the closing of the southern portion of Plain Street, which is only one-quarter mile in length and connects Route 139 to Circuit Street. Circuit Street would remain accessible from Route 139 by way of its intersection with Circuit Street just to the east of Plain Street. While this improvement may improve safety by reducing the number of conflicting movements, it would have little impact on congestion as the heavier southbound approach of Plain Street would still experience the same delay.

Hanover Street (Route 139) at Grove Street.

Both lower cost / shorter term and higher cost / longer term options for improving both safety and congestion have been identified for the intersection of Route 139 and Grove Street. Lower-cost / shorter term options include:

- Clearing vegetation on the northwest corner to improve sight distances
- Conduct a Road Safety Audit with a multidisciplinary team to identify deficiencies and other potential improvements.

Topography and curvature appear to be the primary factors in the crash rate at this location and may be challenging to mitigate with only lower cost options. Longer term, higher cost capital improvements such as reconstructing the intersection with the installation of either a roundabout or traffic signals may be the best options available for improving safety and congestion at this location. Table 14 shows estimated future 2025 conditions at the intersection based on no-build scenarios compared to conceptual levels of service assuming reconstruction of the intersection with either a roundabout or traffic signals. It is estimated the intersection would operate efficiently with either of these potential improvements.

Table 14: Future 2025 No-Build and Conceptual Build Conditions for Route 139 at Plain Street

Intersection	Estimated 2025 No Build Conditions			Roundabout Build		Traffic Signal Build	
	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	AM Peak LOS	PM Peak LOS	AM Peak LOS	PM Peak LOS
Route 139 at Grove Street	16,464	F	F	A	C	B	B
<i>For un-signalized intersections, LOS is given for critical (heavier volume) approach</i>							

Hanover Town Center

The existing footprint and design of Hanover Town Center between just west of Center Street and just east of Main Street is a complex design, typical of historical New England town centers, with multiple driveways and roadways converging into the main roadway over a short distance.

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For the purposes of this corridor study, several alternative conceptual designs were considered. Solutions evaluated included:

- Option 1: Closing northern leg of Center Street between Route 139 and Main Street (convert to and expand parking for ballfields), and reconstruct Route 139 at Main Street with a roundabout. Current STOP Sign control at Route 139 and southern leg of Center Street remains in place.
- Option 2: Closing northern leg of Center Street between Route 139 and Main Street (convert to and expand parking for ballfields), and reconstruct Route 139 at Main Street with a traffic signal. Current STOP Sign control at Route 139 and southern leg of Center Street remains in place.
- Option 3: Closing section of Main Street between Silver Street and Center Street, making Silver Street a continuous extension to Route 139. Reconstruct Route 139 at Center Street, Route 139 at Main Street, and Route 139 at Silver Street with coordinated traffic signals.

In planning level computer modeling of these options, Option 3 with signaling all three intersections and realignment of approaches yielded the most positive results for traffic flow efficiency. In this scenario, the benefits of signaling include:

- Adaptive traffic signals can adjust based on fluctuating demand on demand.
- Redesign of the roadways removes conflict at Main Street and Silver Street, just north of Route 139 and Main Street.
- Traffic signals provide an opportunity for pedestrian controls between land uses on Route 139.
- Emergency vehicles departing adjacent fire station can clear out any queued traffic with emergency preemption.

Table 15 compares existing level of service at the three intersections with projected 2025 level of service with conceptual traffic signal design build. However, this is only once conceptual plan and has not been tested based on any engineering level design. A roundabout can also improve pedestrian safety in the area by slowing the free flow of traffic on Route 139, especially during non-peak periods. Roundabouts are also generally more context sensitive to the surrounding community and more environmentally friendly than traffic signals as they require less energy and generally reduce idling.

It should also be noted that during the development of this Corridor Study, the Sylvester School, located along Route 139 between Main Street and Spring Street, was closed and therefore no traffic generation from this land use was captured. However, the Town does plan for re-use of this town owned site. Any improvements of Hanover Center should consider future automobile, pedestrian, and bicycle traffic generated by future re-use.

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Old Colony Planning Council will continue to work with the Town of Hanover and Massachusetts Department of Transportation (MassDOT) on determining the preferred alternative for this area.

Table 15: Future 2025 No-Build and Conceptual Build Conditions for Hanover Town Center

Intersection	Estimated 2025 No Build Conditions			Traffic Signal Build	
	Average Daily Entering Volume	AM Peak LOS	PM Peak LOS	AM Peak LOS	PM Peak LOS
Route 139 at Center Street	20,594	F	F	C	A
Route 139 at Center Street / Town Hall	20,472	F	F	A	A
Route 139 at Main Street	24,592	F	F	C	B

For un-signalized intersections, LOS is given for critical (heavier volume) approach

Pedestrian Improvement Recommendations

Town Hall Crossing

Safety for pedestrians could be substantially improved with the installation of a pedestrian crossing warning system, such as rapid rectangular flashing beacon, at the crosswalk in front of Town Hall connecting Town Hall and the Library to the First Congregational Church, park, and school complex on the other side of Route 139.

Bicycle Amenity and Safety Recommendations

The width of Route 139 varies along the corridor. On some sections of the corridor, roadway width can be as wide as 40'. In other sections of Route 139, the roadway width can be as narrow as 27'. Speed limits along the corridor vary little. The highest posted speed limit is 45 miles per hour and the lowest is 25 miles per hour. For most of Route 139, the speed limits are between 40 to 45 miles per hour in both directions.

With high-speed limits, a narrow roadway in some sections, and Route 139 being one of a few routes one can travel east/west on through the Town of Hanover, Route 139 is in need of bicycle transportation infrastructure treatments that can help bicyclists feel safer and that is context-sensitive to the particular section of the corridor.

Rockland Town Line to Plain Street

Along Route 139 between the Rockland Town Line and Plain Street in Hanover, the roadway width varies from 40 feet in the westernmost section of the corridor on the Rockland town line to approximately 27 feet near Plain Street. With these widths, the provision of bicycle transportation infrastructure will vary from the widest parts of Route 139 to the narrowest section of the corridor. Along the widest section of the corridor where roadway width is 40 feet, a buffered bicycle lane can be installed giving bicyclists plenty of room to navigate with a sense of safety due to the wideness of the bicycle lane and its accompanying buffer. This buffered bicycle lane would indicate to bicyclists where they should be when traveling the

Hanover Route 139 Corridor Study



SIDEPATH ALONG STREET



BUFFERED BICYCLE LANE

corridor and convey to the motorist that bicyclist will be found in the roadway. Another option to consider would be to extend the sidewalks to 12' and convert them into multi-use side pathways for pedestrians and bicyclists; a facility type increasing in popularity and as presented as a recommended option in MassDOT's statewide bicycle plan.

On the eastern section of this portion of Route 139, where the roadway is approximately 27 feet wide, strong consideration should be given to extending the sidewalks to 8 feet wide and making them side pathways. Eight feet is the minimum width for a multi-use path according to MassDOT's multi-use path design guidance. This extension of sidewalk width would also allow for a 2-foot-wide shoulder in the roadway in both directions for snow storage during the winter season. If sidewalk widening is not possible, Sharrows with accompanying dashed lines on each side of the symbol should be painted on the roadway to indicate to motorist bicyclists have the right to use the road.

[Plain Street to Silver Street](#)

For most of this section of Route 139, the roadway and right of way (ROW) are considerably constrained. There is not enough cross-section available to maintain a ten foot travel lane in each direction with bicycle lanes, and the ROW width does not provide enough room for the sidewalks to be widened to accommodate the minimum width for a side path. In this section of the corridor where roadway width is constrained, the Town of Hanover should paint sharrows with the accompanying dashed lines to inform motorist bicyclists will be found in the roadway.

Hanover Route 139 Corridor Study



SHARROW

Not all of the roadway or ROW along this section of Route 139 is constrained as the other section of the corridor between Plain Street and Silver Street. As the roadway approaches the intersection of Route 139 and Center/Main/Silver Streets, the roadway widens to a width of 40' and a ROW width of 50 feet. In this section of Route 139, a bicycle lane with a 3-foot buffer could be installed or the sidewalks could be extended to accommodate a 12-foot side path with a 3' shoulder for snow storage in the roadway.

[Main Street to Route 53 Intersection](#)

This section of Route 139 has considerable roadway width which makes it able to accommodate a buffered bicycle lane and still have two 10-foot travel lanes in each section. ROW width is approximately 50 feet and could accommodate extending the sidewalks to 12 feet wide making them side paths with additional room left in the roadway for a 3-foot shoulder.

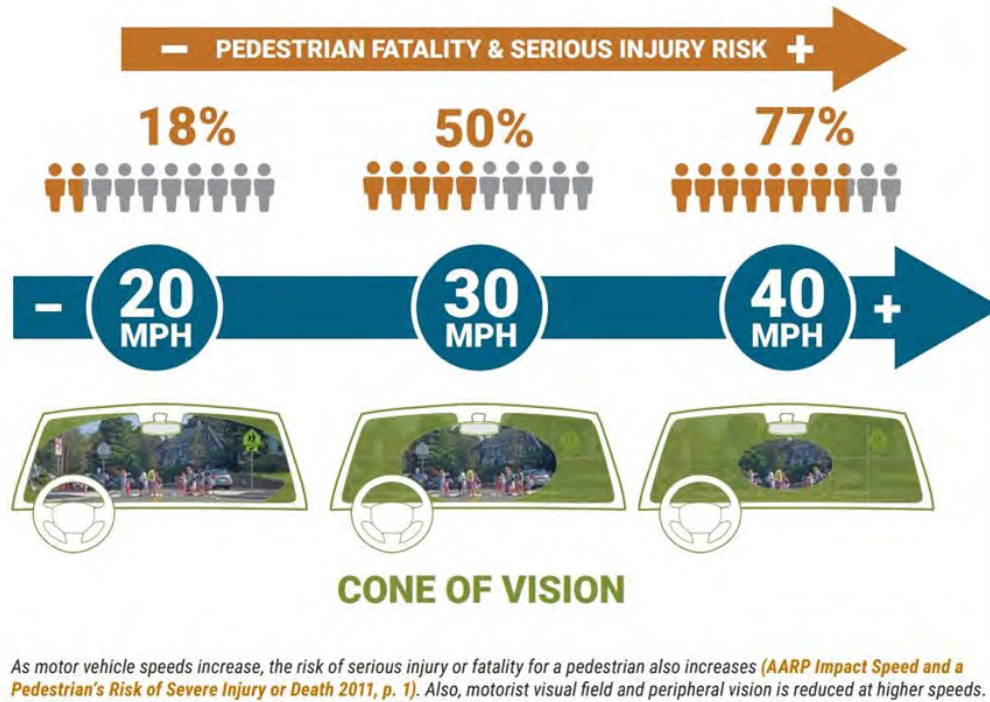
[Parking on Route 139](#)

Parking is not permitted on Route 139 (Massachusetts statute prohibits street parking on state highway). However, there are occasions when one can find parked cars along the roadway, especially in the 40-foot wide sections. Illegally parked cars increase the vulnerability of bicyclists since the bicyclist is forced to move into the travel lane to negotiate a parked car. Local police should enforce the no parking regulations through communication with the parked motorist or if needed the handing out of citations. Keeping cars from parking in the shoulders can have a meaningful impact on the safety of bicyclists traveling along Route 139.

[Motor Vehicle Speed and Vulnerable Users](#)

High vehicle speeds can be an issue for vulnerable users such as bicyclists. Research has shown that as drivers speed increases, their cone of vision decreases which can have deadly consequences. For the majority of the Route 139 corridor, the speeds limit averages around 40 miles per hour, in some places it can be as high as 45 miles per hour. At the average 40 miles per hour speed limit of the corridor, a drivers cone of vision is greatly reduced and the

Hanover Route 139 Corridor Study



CONE OF VISION

likelihood a vulnerable user would die from injuries sustained in a crash with a motor vehicle increases to 77 percent.

Reducing the speed limit along the corridor to 30 miles per hour can have some significant impacts on vulnerable users like a bicyclist. At 30 miles per hour, a driver's cone of vision increases, enabling them to be able to see other roadway users. A speed limit of 30 miles per hour decreases the likelihood a vulnerable user will die from being hit by a car to 50%. With this information and safety in mind, the Town of Hanson should work with MassDOT to seek approval in lowering speed limits along Route 139.

Bicycle Amenities

There are two main location of commercial or municipal activity along the Route 139 Corridor. One location is at the intersection of Route 139 and Center Street/Main Street. At this location, the Hanover Town Hall, John Curtis Free Library, and other municipal services can be found. Just beyond this intersection is Center School. Through a field observation there appears to be no bicycle parking racks at these municipal facilities. One barrier always mentioned by individuals that would consider riding their bicycle for utility purpose but do not, is the lack of secure bicycle parking. If a potential bicyclist knows there is secure bicycle parking available at municipal facility, they might consider biking to these building.

The next location in need of bicycle parking racks are the concentration of commercial business at the intersection of Route 139 and Route 53. Via a field observation, there appears to be no bicycle racks located at or near these businesses. These local business should be encouraged to

Hanover Route 139 Corridor Study

install bicycle parking to encourage those Hanover residents that might consider bicycling to these local businesses to do so, which would help alleviate congestion, improve resident health, and encourage even more economic activity.

[Summary of Recommendations Corridor-Wide](#)

Table 16 contains a summary of options for improving safety and mobility along the corridor.

Table 16: Summary of Potential Improvements to Route 139 Corridor

Location	Issue	Potential Improvements	
		Lower Cost / Shorter Term	Higher Cost / Longer Term
Hanover Street at Pleasant Street and Circuit Street	Congestion and Safety		<ul style="list-style-type: none"> • Upgrade traffic signals and geometry to include turn protection and pedestrian crossings
Hanover Street at Plain Street	High percentage of crashes with injury	<ul style="list-style-type: none"> • Conduct a road safety audit • Upgrade advance intersection warning signage on Route 139 • Clear vegetation and tree canopies on Route 139 approaches • Upgrade stop signs on Plain Street 	<ul style="list-style-type: none"> • Install flashing warning beacon • Close off southern leg of Plain Street or make one-way southbound • Reconstruct intersection with a roundabout • Reconstruct intersection with installation of traffic signals

Table 16: Summary of Potential Improvements to Route 139 Corridor, continued

Location	Issue	Potential Improvements	
		Lower Cost / Shorter Term	Higher Cost / Longer Term
Hanover Street at Grove Street	Poor level of service; poor sight lines and stopping sight distance; elevated crash rate	<ul style="list-style-type: none"> • Conduct road safety audit • Clear vegetation on northwest corner 	<ul style="list-style-type: none"> • intersection with a roundabout • Reconstruct intersection with installation of traffic signals
Hanover Town Center	Congestion		<ul style="list-style-type: none"> • Construct roundabout at Route 139 and Main Street. Close northern section of Center Street and expand parking for ballfields • Redesign area with signalized intersections at Main Street and Center Street
	Pedestrian Safety	<ul style="list-style-type: none"> • Enhance pedestrian crossings (upgrade signage, Rectangular Rapid Flashing Beacons) 	
	Bicycle Safety and Mobility	<ul style="list-style-type: none"> • Share the Road signage and sharrows • Bicycle parking racks at municipal buildings and recreation fields 	

Table 16: Summary of Potential Improvements to Route 139 Corridor, continued

Location	Issue	Potential Improvements	
		Lower Cost / Shorter Term	Higher Cost / Longer Term
Rockland Town Line to Plain Street	Bicycle Safety and Mobility	<ul style="list-style-type: none"> Share the Road Signage and Sharrows in places bicycle lane cannot be accommodated 	<ul style="list-style-type: none"> Buffered Bicycle Lane where ROW permits
Plain Street to Main Street	Bicycle Safety and Mobility	<ul style="list-style-type: none"> Share the Road Signage and Sharrows in places bicycle lane cannot be accommodated 	
Main Street to Route 53	Bicycle Safety and Mobility		<ul style="list-style-type: none"> Buffered Bicycle Lane where ROW permits

Appendix A
Traffic Data (Volume, Speed, Vehicle Classifications)

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

Start Time	07-Oct-19		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	*	*	*	*	12	20	17	19	*	*	*	*	*	*	14	20
01:00	*	*	*	*	13	16	13	18	*	*	*	*	*	*	13	17
02:00	*	*	*	*	14	10	8	4	*	*	*	*	*	*	11	7
03:00	*	*	*	*	8	9	13	5	*	*	*	*	*	*	10	7
04:00	*	*	*	*	33	31	33	33	*	*	*	*	*	*	33	32
05:00	*	*	*	*	95	108	91	101	*	*	*	*	*	*	93	104
06:00	*	*	*	*	241	269	210	294	*	*	*	*	*	*	226	282
07:00	*	*	*	*	399	446	387	411	*	*	*	*	*	*	393	428
08:00	*	*	*	*	376	350	377	381	*	*	*	*	*	*	376	366
09:00	*	*	*	*	328	306	294	296	*	*	*	*	*	*	311	301
10:00	*	*	*	*	325	269	286	257	*	*	*	*	*	*	306	263
11:00	*	*	*	*	290	294	405	283	*	*	*	*	*	*	348	288
12:00 PM	*	*	*	*	324	330	304	323	*	*	*	*	*	*	314	326
01:00	*	*	*	*	317	340	282	306	*	*	*	*	*	*	300	323
02:00	*	*	*	*	387	360	367	372	*	*	*	*	*	*	377	366
03:00	*	*	*	*	463	414	419	416	*	*	*	*	*	*	441	415
04:00	*	*	*	*	468	439	465	444	*	*	*	*	*	*	466	442
05:00	*	*	*	*	533	406	472	411	*	*	*	*	*	*	502	408
06:00	*	*	*	*	375	310	317	314	*	*	*	*	*	*	346	312
07:00	*	*	*	*	231	239	191	211	*	*	*	*	*	*	211	225
08:00	*	*	*	*	149	180	148	172	*	*	*	*	*	*	148	176
09:00	*	*	*	*	85	103	74	89	*	*	*	*	*	*	80	96
10:00	*	*	*	*	47	77	65	62	*	*	*	*	*	*	56	70
11:00	*	*	*	*	39	29	59	42	*	*	*	*	*	*	49	36
Lane	0	0	0	0	5552	5355	5297	5264	0	0	0	0	0	0	5424	5310
Day	0		0		10907		10561		0		0		0		10734	
AM Peak	-	-	-	-	07:00	07:00	11:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	399	446	405	411	-	-	-	-	-	-	393	428
PM Peak	-	-	-	-	17:00	16:00	17:00	16:00	-	-	-	-	-	-	17:00	16:00
Vol.	-	-	-	-	533	439	472	444	-	-	-	-	-	-	502	442

Comb. Total 0 0 10907 10561 0 0 0 10734

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Start Time	09-Oct-19		EB		WB		Combined		10-Oct-		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			6	71	7	90	13	161		4	67	8	80	12	147	
12:15			2	65	9	101	11	166		2	79	10	84	12	163	
12:30			2	105	2	68	4	173		7	89	0	70	7	159	
12:45			2	83	2	71	4	154		4	69	1	89	5	158	
01:00			4	69	7	82	11	151		3	69	4	82	7	151	
01:15			2	86	4	87	6	173		8	79	5	79	13	158	
01:30			6	74	3	81	9	155		1	63	5	81	6	144	
01:45			1	88	2	90	3	178		1	71	4	64	5	135	
02:00			4	86	2	89	6	175		1	84	2	82	3	166	
02:15			1	89	1	72	2	161		3	94	0	83	3	177	
02:30			4	119	3	97	7	216		3	87	1	105	4	192	
02:45			5	93	4	102	9	195		1	102	1	102	2	204	
03:00			1	110	2	95	3	205		2	94	1	97	3	191	
03:15			0	108	2	106	2	214		2	104	1	90	3	194	
03:30			4	110	3	91	7	201		3	115	3	100	6	215	
03:45			3	135	2	122	5	257		6	106	0	129	6	235	
04:00			2	125	1	107	3	232		2	121	4	114	6	235	
04:15			6	111	6	113	12	224		6	119	9	113	15	232	
04:30			9	116	11	118	20	234		10	121	6	117	16	238	
04:45			16	116	13	101	29	217		15	104	14	100	29	204	
05:00			17	134	19	105	36	239		19	138	19	101	38	239	
05:15			19	123	18	106	37	229		16	101	18	110	34	211	
05:30			23	143	31	102	54	245		27	117	30	110	57	227	
05:45			36	133	40	93	76	226		29	116	34	90	63	206	
06:00			31	97	48	93	79	190		33	90	58	80	91	170	
06:15			67	120	73	72	140	192		50	95	72	82	122	177	
06:30			58	82	67	82	125	164		59	67	75	89	134	156	
06:45			85	76	81	63	166	139		68	65	89	63	157	128	
07:00			81	71	88	63	169	134		91	64	76	57	167	121	
07:15			108	61	128	61	236	122		90	53	118	47	208	100	
07:30			99	53	116	60	215	113		86	35	106	60	192	95	
07:45			111	46	114	55	225	101		120	39	111	47	231	86	
08:00			111	50	97	61	208	111		91	34	99	55	190	89	
08:15			86	38	88	52	174	90		101	44	111	41	212	85	
08:30			92	31	81	46	173	77		96	36	97	47	193	83	
08:45			87	30	84	21	171	51		89	34	74	29	163	63	
09:00			67	26	81	38	148	64		68	22	69	28	137	50	
09:15			89	17	76	23	165	40		70	11	93	29	163	40	
09:30			89	21	78	25	167	46		87	20	70	16	157	36	
09:45			83	21	71	17	154	38		69	21	64	16	133	37	
10:00			85	22	80	29	165	51		63	19	63	22	126	41	
10:15			76	9	47	25	123	34		65	18	65	20	130	38	
10:30			79	6	66	10	145	16		81	13	62	7	143	20	
10:45			85	10	76	13	161	23		77	15	67	13	144	28	
11:00			60	10	68	11	128	21		89	11	74	11	163	22	
11:15			75	9	80	4	155	13		101	15	67	6	168	21	
11:30			89	10	50	8	139	18		95	18	70	14	165	32	
11:45			66	10	96	6	162	16		120	15	72	11	192	26	
Total			2134	3418	2128	3227	4262	6645		2134	3163	2102	3162	4236	6325	
Day Total			5552		5355		10907			5297		5264		10561		
% Total			19.6%	31.3%	19.5%	29.6%				20.2%	29.9%	19.9%	29.9%			
Peak	-		07:15	05:00	07:15	03:45	07:15	03:45	-	07:45	04:15	07:15	03:45	07:45	03:45	
Vol.	-		429	533	455	460	884	947	-	408	482	434	473	826	940	
P.H.F.			0.966	0.932	0.889	0.943	0.936	0.921		0.850	0.873	0.919	0.917	0.894	0.987	

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 Site Code: 122
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 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	32	36	*	*	*	34
01:00	*	*	29	31	*	*	*	30
02:00	*	*	24	12	*	*	*	18
03:00	*	*	17	18	*	*	*	18
04:00	*	*	64	66	*	*	*	65
05:00	*	*	203	192	*	*	*	198
06:00	*	*	510	504	*	*	*	507
07:00	*	*	845	798	*	*	*	822
08:00	*	*	726	758	*	*	*	742
09:00	*	*	634	590	*	*	*	612
10:00	*	*	594	543	*	*	*	568
11:00	*	*	584	688	*	*	*	636
12:00 PM	*	*	654	627	*	*	*	640
01:00	*	*	657	588	*	*	*	622
02:00	*	*	747	739	*	*	*	743
03:00	*	*	877	835	*	*	*	856
04:00	*	*	907	909	*	*	*	908
05:00	*	*	939	883	*	*	*	911
06:00	*	*	685	631	*	*	*	658
07:00	*	*	470	402	*	*	*	436
08:00	*	*	329	320	*	*	*	324
09:00	*	*	188	163	*	*	*	176
10:00	*	*	124	127	*	*	*	126
11:00	*	*	68	101	*	*	*	84
Total	0	0	10907	10561	0	0	0	
Percentage	0.0%	0.0%	101.6%	98.4%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	845	798	-	-	-	-
PM Peak	-	-	17:00	16:00	-	-	-	-
Vol.	-	-	939	909	-	-	-	-

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EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	1	3	2	4	2	0	0	0	0	0	0	0	0	0	12
01:00	4	4	3	2	0	0	0	0	0	0	0	0	0	0	13
02:00	1	2	8	3	0	0	0	0	0	0	0	0	0	0	14
03:00	0	2	3	2	0	1	0	0	0	0	0	0	0	0	8
04:00	1	7	16	7	2	0	0	0	0	0	0	0	0	0	33
05:00	6	33	39	16	1	0	0	0	0	0	0	0	0	0	95
06:00	41	113	77	10	0	0	0	0	0	0	0	0	0	0	241
07:00	81	141	150	24	1	1	0	0	0	0	0	0	0	1	399
08:00	43	162	132	39	0	0	0	0	0	0	0	0	0	0	376
09:00	45	143	119	19	1	0	0	0	0	1	0	0	0	0	328
10:00	42	154	116	11	2	0	0	0	0	0	0	0	0	0	325
11:00	42	132	81	33	0	0	0	0	1	0	0	0	0	1	290
12 PM	27	136	138	22	0	0	0	0	0	0	0	0	0	1	324
13:00	48	144	112	11	2	0	0	0	0	0	0	0	0	0	317
14:00	85	173	113	15	1	0	0	0	0	0	0	0	0	0	387
15:00	69	204	164	25	0	1	0	0	0	0	0	0	0	0	463
16:00	56	197	181	31	2	0	0	0	0	0	0	0	0	1	468
17:00	82	254	180	15	0	0	0	0	1	1	0	0	0	0	533
18:00	64	175	127	9	0	0	0	0	0	0	0	0	0	0	375
19:00	26	114	80	10	1	0	0	0	0	0	0	0	0	0	231
20:00	14	61	67	7	0	0	0	0	0	0	0	0	0	0	149
21:00	6	36	32	9	2	0	0	0	0	0	0	0	0	0	85
22:00	3	23	15	5	1	0	0	0	0	0	0	0	0	0	47
23:00	1	15	14	8	1	0	0	0	0	0	0	0	0	0	39
Total	788	2428	1969	337	19	3	0	0	2	2	0	0	0	4	5552

Daily

15th Percentile :	35 MPH
50th Percentile :	39 MPH
85th Percentile :	43 MPH
95th Percentile :	46 MPH

Mean Speed(Average) :	38 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4397
Percent in Pace :	79.2%
Number of Vehicles > 45 MPH :	367
Percent of Vehicles > 45 MPH :	6.6%

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Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	0	7	8	1	1	0	0	0	0	0	0	0	0	0	17
01:00	3	5	2	2	1	0	0	0	0	0	0	0	0	0	13
02:00	0	4	1	3	0	0	0	0	0	0	0	0	0	0	8
03:00	1	6	5	0	1	0	0	0	0	0	0	0	0	0	13
04:00	1	9	14	8	0	1	0	0	0	0	0	0	0	0	33
05:00	1	36	38	14	2	0	0	0	0	0	0	0	0	0	91
06:00	24	88	82	13	3	0	0	0	0	0	0	0	0	0	210
07:00	53	162	146	24	2	0	0	0	0	0	0	0	0	0	387
08:00	41	141	160	32	3	0	0	0	0	0	0	0	0	0	377
09:00	33	138	106	16	1	0	0	0	0	0	0	0	0	0	294
10:00	33	99	116	37	1	0	0	0	0	0	0	0	0	0	286
11:00	38	113	193	57	4	0	0	0	0	0	0	0	0	0	405
12 PM	12	63	173	50	6	0	0	0	0	0	0	0	0	0	304
13:00	19	85	135	38	5	0	0	0	0	0	0	0	0	0	282
14:00	37	108	174	41	7	0	0	0	0	0	0	0	0	0	367
15:00	49	105	192	67	5	0	0	1	0	0	0	0	0	0	419
16:00	20	94	226	113	12	0	0	0	0	0	0	0	0	0	465
17:00	39	77	251	96	9	0	0	0	0	0	0	0	0	0	472
18:00	19	81	163	47	7	0	0	0	0	0	0	0	0	0	317
19:00	13	45	96	35	2	0	0	0	0	0	0	0	0	0	191
20:00	10	31	75	30	2	0	0	0	0	0	0	0	0	0	148
21:00	6	35	30	3	0	0	0	0	0	0	0	0	0	0	74
22:00	6	22	26	9	2	0	0	0	0	0	0	0	0	0	65
23:00	3	10	27	13	2	4	0	0	0	0	0	0	0	0	59
Total	461	1564	2439	749	78	5	0	1	0	0	0	0	0	0	5297

Daily
 15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH

Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4003
 Percent in Pace : 75.6%
 Number of Vehicles > 45 MPH : 833
 Percent of Vehicles > 45 MPH : 15.7%

Grand Total	1249	3992	4408	1086	97	8	0	1	2	2	0	0	0	4	10849
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 44 MPH
 95th Percentile : 48 MPH

Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 8400
 Percent in Pace : 77.4%
 Number of Vehicles > 45 MPH : 1200
 Percent of Vehicles > 45 MPH : 11.1%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

WB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999		
10/09/19	4	4	2	9	0	1	0	0	0	0	0	0	0	0	0	20
01:00	1	2	10	2	1	0	0	0	0	0	0	0	0	0	0	16
02:00	1	3	4	1	1	0	0	0	0	0	0	0	0	0	0	10
03:00	2	1	1	3	0	2	0	0	0	0	0	0	0	0	0	9
04:00	1	5	10	12	2	1	0	0	0	0	0	0	0	0	0	31
05:00	4	22	47	30	4	1	0	0	0	0	0	0	0	0	0	108
06:00	21	99	102	41	5	1	0	0	0	0	0	0	0	0	0	269
07:00	46	137	191	59	13	0	0	0	0	0	0	0	0	0	0	446
08:00	31	89	169	55	4	2	0	0	0	0	0	0	0	0	0	350
09:00	21	106	124	51	4	0	0	0	0	0	0	0	0	0	0	306
10:00	35	74	122	30	6	1	0	0	0	0	0	0	0	1	0	269
11:00	20	98	136	35	5	0	0	0	0	0	0	0	0	0	0	294
12 PM	23	105	163	36	2	1	0	0	0	0	0	0	0	0	0	330
13:00	49	103	147	40	1	0	0	0	0	0	0	0	0	0	0	340
14:00	42	142	136	38	1	0	0	0	0	0	0	0	0	1	0	360
15:00	60	153	146	50	5	0	0	0	0	0	0	0	0	0	0	414
16:00	64	130	208	34	3	0	0	0	0	0	0	0	0	0	0	439
17:00	31	152	171	47	5	0	0	0	0	0	0	0	0	0	0	406
18:00	41	137	107	22	3	0	0	0	0	0	0	0	0	0	0	310
19:00	23	99	92	24	1	0	0	0	0	0	0	0	0	0	0	239
20:00	9	73	75	20	3	0	0	0	0	0	0	0	0	0	0	180
21:00	5	31	48	18	0	1	0	0	0	0	0	0	0	0	0	103
22:00	4	18	39	15	1	0	0	0	0	0	0	0	0	0	0	77
23:00	0	8	15	1	4	0	1	0	0	0	0	0	0	0	0	29
Total	538	1791	2265	673	74	11	1	0	0	0	0	0	0	2	0	5355

Daily

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

Mean Speed(Average) :	40 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4056
Percent in Pace :	75.7%
Number of Vehicles > 45 MPH :	761
Percent of Vehicles > 45 MPH :	14.2%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	1	4	7	3	2	2	0	0	0	0	0	0	0	0	19
01:00	1	7	8	1	1	0	0	0	0	0	0	0	0	0	18
02:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
03:00	1	0	3	0	1	0	0	0	0	0	0	0	0	0	5
04:00	1	3	17	9	1	2	0	0	0	0	0	0	0	0	33
05:00	4	29	36	29	3	0	0	0	0	0	0	0	0	0	101
06:00	27	98	124	42	3	0	0	0	0	0	0	0	0	0	294
07:00	45	147	162	51	6	0	0	0	0	0	0	0	0	0	411
08:00	42	120	148	58	11	2	0	0	0	0	0	0	0	0	381
09:00	34	98	129	30	4	1	0	0	0	0	0	0	0	0	296
10:00	15	69	119	50	4	0	0	0	0	0	0	0	0	0	257
11:00	30	74	141	29	7	2	0	0	0	0	0	0	0	0	283
12 PM	24	100	132	60	6	0	0	0	0	1	0	0	0	0	323
13:00	25	88	120	61	12	0	0	0	0	0	0	0	0	0	306
14:00	41	103	155	66	7	0	0	0	0	0	0	0	0	0	372
15:00	26	140	195	51	3	1	0	0	0	0	0	0	0	0	416
16:00	41	119	205	72	7	0	0	0	0	0	0	0	0	0	444
17:00	43	111	196	56	4	1	0	0	0	0	0	0	0	0	411
18:00	12	132	131	36	3	0	0	0	0	0	0	0	0	0	314
19:00	10	65	103	29	4	0	0	0	0	0	0	0	0	0	211
20:00	6	42	82	37	3	2	0	0	0	0	0	0	0	0	172
21:00	6	27	38	13	3	2	0	0	0	0	0	0	0	0	89
22:00	3	21	28	8	1	1	0	0	0	0	0	0	0	0	62
23:00	2	7	16	15	2	0	0	0	0	0	0	0	0	0	42
Total	440	1604	2296	808	99	16	0	0	0	1	0	0	0	0	5264

Daily
 15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3900
 Percent in Pace : 74.1%
 Number of Vehicles > 45 MPH : 924
 Percent of Vehicles > 45 MPH : 17.6%

Grand Total	978	3395	4561	1481	173	27	1	0	0	1	0	0	2	0	10619
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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 : 36-45 MPH
 Number in Pace : 7956
 Percent in Pace : 74.9%
 Number of Vehicles > 45 MPH : 1685
 Percent of Vehicles > 45 MPH : 15.9%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	5	7	4	13	2	1	0	0	0	0	0	0	0	0	32
01:00	5	6	13	4	1	0	0	0	0	0	0	0	0	0	29
02:00	2	5	12	4	1	0	0	0	0	0	0	0	0	0	24
03:00	2	3	4	5	0	3	0	0	0	0	0	0	0	0	17
04:00	2	12	26	19	4	1	0	0	0	0	0	0	0	0	64
05:00	10	55	86	46	5	1	0	0	0	0	0	0	0	0	203
06:00	62	212	179	51	5	1	0	0	0	0	0	0	0	0	510
07:00	127	278	341	83	14	1	0	0	0	0	0	0	0	1	845
08:00	74	251	301	94	4	2	0	0	0	0	0	0	0	0	726
09:00	66	249	243	70	5	0	0	0	0	1	0	0	0	0	634
10:00	77	228	238	41	8	1	0	0	0	0	0	0	1	0	594
11:00	62	230	217	68	5	0	0	0	1	0	0	0	0	1	584
12 PM	50	241	301	58	2	1	0	0	0	0	0	0	0	1	654
13:00	97	247	259	51	3	0	0	0	0	0	0	0	0	0	657
14:00	127	315	249	53	2	0	0	0	0	0	0	0	1	0	747
15:00	129	357	310	75	5	1	0	0	0	0	0	0	0	0	877
16:00	120	327	389	65	5	0	0	0	0	0	0	0	0	1	907
17:00	113	406	351	62	5	0	0	0	1	1	0	0	0	0	939
18:00	105	312	234	31	3	0	0	0	0	0	0	0	0	0	685
19:00	49	213	172	34	2	0	0	0	0	0	0	0	0	0	470
20:00	23	134	142	27	3	0	0	0	0	0	0	0	0	0	329
21:00	11	67	80	27	2	1	0	0	0	0	0	0	0	0	188
22:00	7	41	54	20	2	0	0	0	0	0	0	0	0	0	124
23:00	1	23	29	9	5	0	1	0	0	0	0	0	0	0	68
Total	1326	4219	4234	1010	93	14	1	0	2	2	0	0	2	4	10907

Daily

15th Percentile :	35 MPH
50th Percentile :	39 MPH
85th Percentile :	44 MPH
95th Percentile :	47 MPH

Mean Speed(Average) :	39 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	8453
Percent in Pace :	77.5%
Number of Vehicles > 45 MPH :	1128
Percent of Vehicles > 45 MPH :	10.3%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	1	11	15	4	3	2	0	0	0	0	0	0	0	0	36
01:00	4	12	10	3	2	0	0	0	0	0	0	0	0	0	31
02:00	0	4	2	5	1	0	0	0	0	0	0	0	0	0	12
03:00	2	6	8	0	2	0	0	0	0	0	0	0	0	0	18
04:00	2	12	31	17	1	3	0	0	0	0	0	0	0	0	66
05:00	5	65	74	43	5	0	0	0	0	0	0	0	0	0	192
06:00	51	186	206	55	6	0	0	0	0	0	0	0	0	0	504
07:00	98	309	308	75	8	0	0	0	0	0	0	0	0	0	798
08:00	83	261	308	90	14	2	0	0	0	0	0	0	0	0	758
09:00	67	236	235	46	5	1	0	0	0	0	0	0	0	0	590
10:00	48	168	235	87	5	0	0	0	0	0	0	0	0	0	543
11:00	68	187	334	86	11	2	0	0	0	0	0	0	0	0	688
12 PM	36	163	305	110	12	0	0	0	0	1	0	0	0	0	627
13:00	44	173	255	99	17	0	0	0	0	0	0	0	0	0	588
14:00	78	211	329	107	14	0	0	0	0	0	0	0	0	0	739
15:00	75	245	387	118	8	1	0	1	0	0	0	0	0	0	835
16:00	61	213	431	185	19	0	0	0	0	0	0	0	0	0	909
17:00	82	188	447	152	13	1	0	0	0	0	0	0	0	0	883
18:00	31	213	294	83	10	0	0	0	0	0	0	0	0	0	631
19:00	23	110	199	64	6	0	0	0	0	0	0	0	0	0	402
20:00	16	73	157	67	5	2	0	0	0	0	0	0	0	0	320
21:00	12	62	68	16	3	2	0	0	0	0	0	0	0	0	163
22:00	9	43	54	17	3	1	0	0	0	0	0	0	0	0	127
23:00	5	17	43	28	4	4	0	0	0	0	0	0	0	0	101
Total	901	3168	4735	1557	177	21	0	1	0	1	0	0	0	0	10561

Daily
 15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 45 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7903
 Percent in Pace : 74.8%
 Number of Vehicles > 45 MPH : 1757
 Percent of Vehicles > 45 MPH : 16.6%

Grand Total	2227	7387	8969	2567	270	35	1	1	2	3	0	0	2	4	21468
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 44 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 16356
 Percent in Pace : 76.2%
 Number of Vehicles > 45 MPH : 2885
 Percent of Vehicles > 45 MPH : 13.4%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	6	4	1	1	0	0	0	0	0	0	0	0	12	2
01:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13	0
02:00	0	14	0	0	0	0	0	0	0	0	0	0	0	14	0
03:00	0	5	1	0	2	0	0	0	0	0	0	0	0	8	2
04:00	0	24	7	0	2	0	0	0	0	0	0	0	0	33	2
05:00	0	56	28	0	10	1	0	0	0	0	0	0	0	95	11
06:00	3	164	54	2	16	0	0	0	1	0	0	0	0	240	19
07:00	5	259	85	6	25	2	0	7	7	0	0	0	0	396	47
08:00	4	245	68	5	41	4	0	1	8	0	0	0	0	376	59
09:00	3	212	74	1	28	3	0	0	7	0	0	0	0	328	39
10:00	4	215	62	2	30	3	0	1	8	0	0	0	0	325	44
11:00	0	182	65	6	22	6	0	3	6	0	0	0	0	290	43
12 PM	1	218	67	4	25	4	0	1	4	0	0	0	0	324	38
13:00	3	202	75	3	25	2	0	2	5	0	0	0	0	317	37
14:00	4	261	82	4	26	1	0	1	8	0	0	0	0	387	40
15:00	6	311	97	2	36	2	0	2	4	0	0	0	0	460	46
16:00	5	304	108	2	42	3	0	1	1	0	0	0	0	466	49
17:00	4	385	100	3	36	1	0	1	0	0	0	0	0	530	41
18:00	6	262	70	0	36	0	0	0	0	0	0	0	0	374	36
19:00	0	162	53	0	16	0	0	0	0	0	0	0	0	231	16
20:00	0	109	34	0	6	0	0	0	0	0	0	0	0	149	6
21:00	0	62	12	1	10	0	0	0	0	0	0	0	0	85	11
22:00	0	42	3	0	2	0	0	0	0	0	0	0	0	47	2
23:00	0	29	7	0	2	0	0	0	1	0	0	0	0	39	3
Total	48	3740	1158	42	439	32	0	20	60	0	0	0	0	5539	593
Percent	0.9%	67.5%	20.9%	0.8%	7.9%	0.6%	0.0%	0.4%	1.1%	0.0%	0.0%	0.0%	0.0%		10.7%
AM Peak Vol.	07:00	07:00	07:00	07:00	08:00	11:00		07:00	08:00					07:00	08:00
PM Peak Vol.	15:00	17:00	16:00	12:00	16:00	12:00		13:00	14:00					17:00	16:00
	6	385	108	4	42	4		2	8					530	49

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	11	6	0	0	0	0	0	0	0	0	0	0	17	0
01:00	0	11	2	0	0	0	0	0	0	0	0	0	0	13	0
02:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
03:00	0	9	3	0	1	0	0	0	0	0	0	0	0	13	1
04:00	0	26	4	0	3	0	0	0	0	0	0	0	0	33	3
05:00	0	52	22	1	15	1	0	0	0	0	0	0	0	91	17
06:00	0	145	43	0	19	1	0	2	0	0	0	0	0	210	22
07:00	6	278	69	3	24	3	0	0	3	0	0	0	0	386	33
08:00	3	249	73	6	34	5	0	1	5	0	0	0	0	376	51
09:00	1	179	66	7	32	3	0	0	6	0	0	0	0	294	48
10:00	2	169	66	2	38	2	0	1	5	0	0	0	0	285	48
11:00	4	192	133	3	66	4	0	0	3	0	0	0	0	405	76
12 PM	3	156	88	3	46	3	0	0	4	0	0	0	0	303	56
13:00	1	155	74	1	42	1	0	3	5	0	0	0	0	282	52
14:00	4	189	106	0	53	4	0	2	8	0	0	0	0	366	67
15:00	2	260	104	0	44	3	0	3	2	0	0	0	0	418	52
16:00	4	273	111	3	71	2	0	1	0	0	0	0	0	465	77
17:00	4	256	147	2	56	1	0	2	1	0	0	0	0	469	62
18:00	1	185	86	1	41	1	0	2	0	0	0	0	0	317	45
19:00	1	105	62	0	23	0	0	0	0	0	0	0	0	191	23
20:00	1	94	33	1	18	1	0	0	0	0	0	0	0	148	20
21:00	0	52	10	0	12	0	0	0	0	0	0	0	0	74	12
22:00	0	39	20	0	6	0	0	0	0	0	0	0	0	65	6
23:00	0	38	17	0	4	0	0	0	0	0	0	0	0	59	4
Total	37	3130	1346	33	648	35	0	17	42	0	0	0	0	5288	775
Percent	0.7%	59.2%	25.5%	0.6%	12.3%	0.7%	0.0%	0.3%	0.8%	0.0%	0.0%	0.0%	0.0%		14.7%
AM Peak Vol.	6	278	133	7	66	5		2	6					405	76
PM Peak Vol.	4	273	147	3	71	4		3	8					469	77
Grand Total	85	6870	2504	75	1087	67	0	37	102	0	0	0	0	10827	1368
Percent	0.8%	63.5%	23.1%	0.7%	10.0%	0.6%	0.0%	0.3%	0.9%	0.0%	0.0%	0.0%	0.0%		12.6%

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Community: Hanover
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Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	17	1	1	1	0	0	0	0	0	0	0	0	20	2
01:00	0	13	1	0	1	0	0	0	1	0	0	0	0	16	2
02:00	0	6	2	0	2	0	0	0	0	0	0	0	0	10	2
03:00	0	5	3	0	1	0	0	0	0	0	0	0	0	9	1
04:00	0	14	7	1	9	0	0	0	0	0	0	0	0	31	10
05:00	0	63	19	0	25	0	0	1	0	0	0	0	0	108	26
06:00	2	169	49	1	33	1	2	1	10	0	0	0	0	268	48
07:00	4	293	92	7	39	0	4	2	3	0	0	0	0	444	55
08:00	1	218	86	1	38	1	0	0	5	0	0	0	0	350	45
09:00	3	201	51	5	39	0	1	2	4	0	0	0	0	306	51
10:00	2	172	50	1	34	0	1	4	5	0	0	0	0	269	45
11:00	2	182	61	4	36	2	0	2	4	0	0	0	0	293	48
12 PM	1	221	69	2	31	0	0	1	5	0	0	0	0	330	39
13:00	5	216	74	6	29	1	1	2	3	0	0	0	0	337	42
14:00	2	225	77	9	41	0	0	3	1	0	0	0	0	358	54
15:00	1	277	81	6	46	0	0	0	2	0	0	0	0	413	54
16:00	2	288	92	1	48	1	0	0	3	0	0	0	0	435	53
17:00	2	284	74	2	42	0	0	0	0	0	0	0	0	404	44
18:00	3	213	59	1	32	1	0	1	0	0	0	0	0	310	35
19:00	2	180	33	0	24	0	0	0	0	0	0	0	0	239	24
20:00	0	136	27	0	17	0	0	0	0	0	0	0	0	180	17
21:00	0	78	18	0	6	0	0	1	0	0	0	0	0	103	7
22:00	0	58	12	0	7	0	0	0	0	0	0	0	0	77	7
23:00	0	21	6	0	2	0	0	0	0	0	0	0	0	29	2
Total	32	3550	1044	48	583	7	9	20	46	0	0	0	0	5339	713
Percent	0.6%	66.5%	19.6%	0.9%	10.9%	0.1%	0.2%	0.4%	0.9%	0.0%	0.0%	0.0%	0.0%		13.4%
AM Peak	07:00	07:00	07:00	07:00	07:00	11:00	07:00	10:00	06:00					07:00	07:00
Vol.	4	293	92	7	39	2	4	4	10					444	55
PM Peak	13:00	16:00	16:00	14:00	16:00	13:00	13:00	14:00	12:00					16:00	14:00
Vol.	5	288	92	9	48	1	1	3	5					435	54

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	16	2	0	1	0	0	0	0	0	0	0	0	19	1
01:00	0	14	0	0	3	0	0	0	1	0	0	0	0	18	4
02:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
03:00	0	1	1	0	3	0	0	0	0	0	0	0	0	5	3
04:00	0	14	7	0	12	0	0	0	0	0	0	0	0	33	12
05:00	0	47	31	0	23	0	0	0	0	0	0	0	0	101	23
06:00	1	197	49	1	33	0	1	1	11	0	0	0	0	294	47
07:00	3	286	61	3	45	2	3	1	4	0	0	0	0	408	58
08:00	1	227	84	7	46	4	4	1	3	0	0	0	0	377	65
09:00	1	183	59	6	36	2	1	1	3	0	0	0	0	292	49
10:00	1	149	57	2	39	2	1	1	5	0	0	0	0	257	50
11:00	2	181	59	4	27	3	0	0	4	0	0	0	0	280	38
12 PM	5	203	71	3	39	0	0	0	2	0	0	0	0	323	44
13:00	2	191	74	1	36	1	0	0	1	0	0	0	0	306	39
14:00	0	266	68	2	30	2	1	1	2	0	0	0	0	372	38
15:00	3	276	83	4	44	1	1	1	1	0	0	0	0	414	52
16:00	5	298	88	2	47	0	0	1	0	0	0	0	0	441	50
17:00	7	294	65	1	42	0	0	2	0	0	0	0	0	411	45
18:00	2	216	63	0	32	0	0	0	0	0	0	0	0	313	32
19:00	2	154	38	1	16	0	0	0	0	0	0	0	0	211	17
20:00	0	131	24	0	17	0	0	0	0	0	0	0	0	172	17
21:00	0	68	15	0	6	0	0	0	0	0	0	0	0	89	6
22:00	0	52	5	0	5	0	0	0	0	0	0	0	0	62	5
23:00	0	32	6	0	4	0	0	0	0	0	0	0	0	42	4
Total	35	3498	1011	37	587	17	12	10	37	0	0	0	0	5244	700
Percent	0.7%	66.7%	19.3%	0.7%	11.2%	0.3%	0.2%	0.2%	0.7%	0.0%	0.0%	0.0%	0.0%		13.3%
AM Peak	07:00	07:00	08:00	08:00	08:00	08:00	08:00	06:00	06:00					07:00	08:00
Vol.	3	286	84	7	46	4	4	1	11					408	65
PM Peak	17:00	16:00	16:00	15:00	16:00	14:00	14:00	17:00	12:00					16:00	15:00
Vol.	7	298	88	4	47	2	1	2	2					441	52
Grand Total	67	7048	2055	85	1170	24	21	30	83	0	0	0	0	10583	1413
Percent	0.6%	66.6%	19.4%	0.8%	11.1%	0.2%	0.2%	0.3%	0.8%	0.0%	0.0%	0.0%	0.0%		13.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	23	5	2	2	0	0	0	0	0	0	0	0	32	4
01:00	0	24	3	0	1	0	0	0	1	0	0	0	0	29	2
02:00	0	20	2	0	2	0	0	0	0	0	0	0	0	24	2
03:00	0	10	4	0	3	0	0	0	0	0	0	0	0	17	3
04:00	0	38	14	1	11	0	0	0	0	0	0	0	0	64	12
05:00	0	119	47	0	35	1	0	1	0	0	0	0	0	203	37
06:00	5	333	103	3	49	1	2	1	11	0	0	0	0	508	67
07:00	9	552	177	13	64	2	4	9	10	0	0	0	0	840	102
08:00	5	463	154	6	79	5	0	1	13	0	0	0	0	726	104
09:00	6	413	125	6	67	3	1	2	11	0	0	0	0	634	90
10:00	6	387	112	3	64	3	1	5	13	0	0	0	0	594	89
11:00	2	364	126	10	58	8	0	5	10	0	0	0	0	583	91
12 PM	2	439	136	6	56	4	0	2	9	0	0	0	0	654	77
13:00	8	418	149	9	54	3	1	4	8	0	0	0	0	654	79
14:00	6	486	159	13	67	1	0	4	9	0	0	0	0	745	94
15:00	7	588	178	8	82	2	0	2	6	0	0	0	0	873	100
16:00	7	592	200	3	90	4	0	1	4	0	0	0	0	901	102
17:00	6	669	174	5	78	1	0	1	0	0	0	0	0	934	85
18:00	9	475	129	1	68	1	0	1	0	0	0	0	0	684	71
19:00	2	342	86	0	40	0	0	0	0	0	0	0	0	470	40
20:00	0	245	61	0	23	0	0	0	0	0	0	0	0	329	23
21:00	0	140	30	1	16	0	0	1	0	0	0	0	0	188	18
22:00	0	100	15	0	9	0	0	0	0	0	0	0	0	124	9
23:00	0	50	13	0	4	0	0	0	1	0	0	0	0	68	5
Total	80	7290	2202	90	1022	39	9	40	106	0	0	0	0	10878	1306
Percent	0.7%	67.0%	20.2%	0.8%	9.4%	0.4%	0.1%	0.4%	1.0%	0.0%	0.0%	0.0%	0.0%		12.0%
AM Peak Vol.	07:00	07:00	07:00	07:00	08:00	11:00	07:00	07:00	08:00					07:00	08:00
PM Peak Vol.	18:00	17:00	16:00	14:00	16:00	12:00	13:00	13:00	12:00					17:00	16:00
	9	669	200	13	90	4	1	4	9					934	102

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), at Rockland T/L

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	27	8	0	1	0	0	0	0	0	0	0	0	36	1
01:00	0	25	2	0	3	0	0	0	1	0	0	0	0	31	4
02:00	0	9	2	0	1	0	0	0	0	0	0	0	0	12	1
03:00	0	10	4	0	4	0	0	0	0	0	0	0	0	18	4
04:00	0	40	11	0	15	0	0	0	0	0	0	0	0	66	15
05:00	0	99	53	1	38	1	0	0	0	0	0	0	0	192	40
06:00	1	342	92	1	52	1	1	3	11	0	0	0	0	504	69
07:00	9	564	130	6	69	5	3	1	7	0	0	0	0	794	91
08:00	4	476	157	13	80	9	4	2	8	0	0	0	0	753	116
09:00	2	362	125	13	68	5	1	1	9	0	0	0	0	586	97
10:00	3	318	123	4	77	4	1	2	10	0	0	0	0	542	98
11:00	6	373	192	7	93	7	0	0	7	0	0	0	0	685	114
12 PM	8	359	159	6	85	3	0	0	6	0	0	0	0	626	100
13:00	3	346	148	2	78	2	0	3	6	0	0	0	0	588	91
14:00	4	455	174	2	83	6	1	3	10	0	0	0	0	738	105
15:00	5	536	187	4	88	4	1	4	3	0	0	0	0	832	104
16:00	9	571	199	5	118	2	0	2	0	0	0	0	0	906	127
17:00	11	550	212	3	98	1	0	4	1	0	0	0	0	880	107
18:00	3	401	149	1	73	1	0	2	0	0	0	0	0	630	77
19:00	3	259	100	1	39	0	0	0	0	0	0	0	0	402	40
20:00	1	225	57	1	35	1	0	0	0	0	0	0	0	320	37
21:00	0	120	25	0	18	0	0	0	0	0	0	0	0	163	18
22:00	0	91	25	0	11	0	0	0	0	0	0	0	0	127	11
23:00	0	70	23	0	8	0	0	0	0	0	0	0	0	101	8
Total	72	6628	2357	70	1235	52	12	27	79	0	0	0	0	10532	1475
Percent	0.7%	62.9%	22.4%	0.7%	11.7%	0.5%	0.1%	0.3%	0.8%	0.0%	0.0%	0.0%	0.0%		14.0%
AM Peak Vol.	9	564	192	13	93	9	4	3	11					794	116
PM Peak Vol.	11	571	212	6	118	6	1	4	10					906	127
Grand Total	152	13918	4559	160	2257	91	21	67	185	0	0	0	0	21410	2781
Percent	0.7%	65.0%	21.3%	0.7%	10.5%	0.4%	0.1%	0.3%	0.9%	0.0%	0.0%	0.0%	0.0%		13.0%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

Start Time	09-Sep-19		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	*	*	*	*	17	18	18	16	*	*	*	*	*	*	18	17
01:00	*	*	*	*	5	14	6	17	*	*	*	*	*	*	6	16
02:00	*	*	*	*	8	4	9	8	*	*	*	*	*	*	8	6
03:00	*	*	*	*	12	13	13	8	*	*	*	*	*	*	12	10
04:00	*	*	*	*	29	29	29	34	*	*	*	*	*	*	29	32
05:00	*	*	*	*	96	94	86	93	*	*	*	*	*	*	91	94
06:00	*	*	*	*	280	289	274	272	*	*	*	*	*	*	277	280
07:00	*	*	*	*	391	430	422	417	*	*	*	*	*	*	406	424
08:00	*	*	*	*	433	346	410	379	*	*	*	*	*	*	422	362
09:00	*	*	*	*	315	317	320	319	*	*	*	*	*	*	318	318
10:00	*	*	*	*	297	207	290	325	*	*	*	*	*	*	294	266
11:00	*	*	*	*	274	254	306	254	*	*	*	*	*	*	290	254
12:00 PM	*	*	*	*	296	336	324	308	*	*	*	*	*	*	310	322
01:00	*	*	*	*	257	310	311	299	*	*	*	*	*	*	284	304
02:00	*	*	*	*	349	287	360	326	*	*	*	*	*	*	354	306
03:00	*	*	*	*	414	408	428	442	*	*	*	*	*	*	421	425
04:00	*	*	*	*	425	375	404	440	*	*	*	*	*	*	414	408
05:00	*	*	*	*	458	447	470	419	*	*	*	*	*	*	464	433
06:00	*	*	*	*	352	335	319	296	*	*	*	*	*	*	336	316
07:00	*	*	*	*	251	263	211	246	*	*	*	*	*	*	231	254
08:00	*	*	*	*	164	221	168	178	*	*	*	*	*	*	166	200
09:00	*	*	*	*	113	137	90	128	*	*	*	*	*	*	102	132
10:00	*	*	*	*	70	90	56	83	*	*	*	*	*	*	63	86
11:00	*	*	*	*	44	33	23	39	*	*	*	*	*	*	34	36
Lane	0	0	0	0	5350	5257	5347	5346	0	0	0	0	0	0	5350	5301
Day	0		0		10607		10693		0		0		0		10651	
AM Peak	-	-	-	-	08:00	07:00	07:00	07:00	-	-	-	-	-	-	08:00	07:00
Vol.	-	-	-	-	433	430	422	417	-	-	-	-	-	-	422	424
PM Peak	-	-	-	-	17:00	17:00	17:00	15:00	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	-	-	458	447	470	442	-	-	-	-	-	-	464	433

Comb. Total 0 0 10607 10693 0 0 0 10651

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Community: Hanover
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 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

Start Time	11-Sep-19		EB		WB		Combined		12-Sep	EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		Thu	A.M.	P.M.	A.M.	P.M.	A.M.
12:00			7	72	6	108	13	180		7	77	4	77	11	154
12:15			8	72	5	84	13	156		2	83	7	82	9	165
12:30			2	85	4	74	6	159		7	78	2	73	9	151
12:45			0	67	3	70	3	137		2	86	3	76	5	162
01:00			0	68	2	82	2	150		0	79	5	68	5	147
01:15			1	60	7	76	8	136		2	75	4	86	6	161
01:30			3	73	4	70	7	143		2	78	3	70	5	148
01:45			1	56	1	82	2	138		2	79	5	75	7	154
02:00			0	77	0	79	0	156		1	86	2	87	3	173
02:15			4	81	3	82	7	163		5	86	0	81	5	167
02:30			3	92	1	70	4	162		2	95	4	81	6	176
02:45			1	99	0	56	1	155		1	93	2	77	3	170
03:00			0	115	2	100	2	215		1	107	1	107	2	214
03:15			2	100	1	107	3	207		2	105	0	111	2	216
03:30			4	96	5	96	9	192		6	109	4	112	10	221
03:45			6	103	5	105	11	208		4	107	3	112	7	219
04:00			2	111	4	79	6	190		3	104	3	97	6	201
04:15			6	115	3	106	9	221		7	106	4	107	11	213
04:30			7	102	6	101	13	203		10	107	10	131	20	238
04:45			14	97	16	89	30	186		9	87	17	105	26	192
05:00			10	112	11	130	21	242		11	133	11	108	22	241
05:15			24	119	18	125	42	244		25	120	20	108	45	228
05:30			28	102	30	107	58	209		27	103	28	113	55	216
05:45			34	125	35	85	69	210		23	114	34	90	57	204
06:00			34	90	53	91	87	181		45	82	57	88	102	170
06:15			69	91	71	74	140	165		57	92	77	79	134	171
06:30			82	96	82	90	164	186		80	73	73	65	153	138
06:45			95	75	83	80	178	155		92	72	65	64	157	136
07:00			81	81	78	72	159	153		87	66	78	62	165	128
07:15			80	72	132	76	212	148		85	58	121	72	206	130
07:30			110	51	121	63	231	114		131	45	109	61	240	106
07:45			120	47	99	52	219	99		119	42	109	51	228	93
08:00			137	50	87	61	224	111		115	46	100	49	215	95
08:15			115	46	86	57	201	103		91	46	102	44	193	90
08:30			87	35	89	59	176	94		101	46	81	41	182	87
08:45			94	33	84	44	178	77		103	30	96	44	199	74
09:00			76	31	82	44	158	75		85	30	79	41	164	71
09:15			67	38	70	37	137	75		75	25	78	43	153	68
09:30			92	25	87	27	179	52		78	19	88	25	166	44
09:45			80	19	78	29	158	48		82	16	74	19	156	35
10:00			66	23	42	33	108	56		71	15	84	29	155	44
10:15			68	22	52	25	120	47		82	18	69	31	151	49
10:30			80	14	60	19	140	33		83	9	91	11	174	20
10:45			83	11	53	13	136	24		54	14	81	12	135	26
11:00			64	14	62	11	126	25		69	2	66	12	135	14
11:15			74	12	60	6	134	18		86	9	68	10	154	19
11:30			73	9	77	9	150	18		75	7	66	6	141	13
11:45			63	9	55	7	118	16		76	5	54	11	130	16
Total			2157	3193	2015	3242	4172	6435		2183	3164	2142	3204	4325	6368
Day Total			5350		5257		10607			5347		5346		10693	
% Total			20.3%	30.1%	19.0%	30.6%				20.4%	29.6%	20.0%	30.0%		
Peak	-		07:30	05:00	07:15	04:45	07:15	05:00	-	07:30	05:00	07:15	04:30	07:15	04:30
Vol.	-		482	458	439	451	886	905	-	456	470	439	452	889	899
P.H.F.			0.880	0.916	0.831	0.867	0.959	0.927		0.870	0.883	0.907	0.863	0.926	0.933

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	35	34	*	*	*	34
01:00	*	*	19	23	*	*	*	21
02:00	*	*	12	17	*	*	*	14
03:00	*	*	25	21	*	*	*	23
04:00	*	*	58	63	*	*	*	60
05:00	*	*	190	179	*	*	*	184
06:00	*	*	569	546	*	*	*	558
07:00	*	*	821	839	*	*	*	830
08:00	*	*	779	789	*	*	*	784
09:00	*	*	632	639	*	*	*	636
10:00	*	*	504	615	*	*	*	560
11:00	*	*	528	560	*	*	*	544
12:00 PM	*	*	632	632	*	*	*	632
01:00	*	*	567	610	*	*	*	588
02:00	*	*	636	686	*	*	*	661
03:00	*	*	822	870	*	*	*	846
04:00	*	*	800	844	*	*	*	822
05:00	*	*	905	889	*	*	*	897
06:00	*	*	687	615	*	*	*	651
07:00	*	*	514	457	*	*	*	486
08:00	*	*	385	346	*	*	*	366
09:00	*	*	250	218	*	*	*	234
10:00	*	*	160	139	*	*	*	150
11:00	*	*	77	62	*	*	*	70
Total	0	0	10607	10693	0	0	0	
Percentage	0.0%	0.0%	99.6%	100.4%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	821	839	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	905	889	-	-	-	-

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Community: Hanover
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 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	3	7	4	1	0	0	0	0	0	0	0	0	0	17
01:00	0	1	3	1	0	0	0	0	0	0	0	0	0	0	5
02:00	0	0	4	3	1	0	0	0	0	0	0	0	0	0	8
03:00	0	1	7	4	0	0	0	0	0	0	0	0	0	0	12
04:00	0	4	13	10	1	1	0	0	0	0	0	0	0	0	29
05:00	25	23	32	14	2	0	0	0	0	0	0	0	0	0	96
06:00	99	102	67	12	0	0	0	0	0	0	0	0	0	0	280
07:00	162	123	96	9	1	0	0	0	0	0	0	0	0	0	391
08:00	348	72	10	3	0	0	0	0	0	0	0	0	0	0	433
09:00	220	76	17	2	0	0	0	0	0	0	0	0	0	0	315
10:00	179	97	21	0	0	0	0	0	0	0	0	0	0	0	297
11:00	161	81	28	3	1	0	0	0	0	0	0	0	0	0	274
12 PM	193	78	23	1	1	0	0	0	0	0	0	0	0	0	296
13:00	147	84	24	2	0	0	0	0	0	0	0	0	0	0	257
14:00	199	106	42	2	0	0	0	0	0	0	0	0	0	0	349
15:00	296	85	30	3	0	0	0	0	0	0	0	0	0	0	414
16:00	237	120	62	5	0	0	0	0	0	0	0	0	0	1	425
17:00	141	109	157	47	4	0	0	0	0	0	0	0	0	0	458
18:00	61	152	112	26	1	0	0	0	0	0	0	0	0	0	352
19:00	49	97	88	16	1	0	0	0	0	0	0	0	0	0	251
20:00	26	58	61	17	2	0	0	0	0	0	0	0	0	0	164
21:00	18	40	41	10	3	1	0	0	0	0	0	0	0	0	113
22:00	3	21	36	8	2	0	0	0	0	0	0	0	0	0	70
23:00	4	15	19	5	1	0	0	0	0	0	0	0	0	0	44
Total	2570	1548	1000	207	22	2	0	0	0	0	0	0	0	1	5350

Daily

15th Percentile :	10 MPH
50th Percentile :	35 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	2548
Percent in Pace :	47.6%
Number of Vehicles > 45 MPH :	232
Percent of Vehicles > 45 MPH :	4.3%

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 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	2	1	9	4	1	1	0	0	0	0	0	0	0	0	18
01:00	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6
02:00	2	1	3	2	1	0	0	0	0	0	0	0	0	0	9
03:00	0	1	8	3	1	0	0	0	0	0	0	0	0	0	13
04:00	1	4	11	12	0	1	0	0	0	0	0	0	0	0	29
05:00	14	25	30	17	0	0	0	0	0	0	0	0	0	0	86
06:00	66	99	88	20	1	0	0	0	0	0	0	0	0	0	274
07:00	168	157	77	15	4	1	0	0	0	0	0	0	0	0	422
08:00	255	113	39	3	0	0	0	0	0	0	0	0	0	0	410
09:00	243	61	13	3	0	0	0	0	0	0	0	0	0	0	320
10:00	176	88	23	3	0	0	0	0	0	0	0	0	0	0	290
11:00	125	116	57	6	2	0	0	0	0	0	0	0	0	0	306
12 PM	65	129	109	20	1	0	0	0	0	0	0	0	0	0	324
13:00	68	125	96	21	0	0	0	1	0	0	0	0	0	0	311
14:00	73	123	135	23	5	1	0	0	0	0	0	0	0	0	360
15:00	108	135	147	33	5	0	0	0	0	0	0	0	0	0	428
16:00	65	160	137	38	4	0	0	0	0	0	0	0	0	0	404
17:00	106	168	166	29	1	0	0	0	0	0	0	0	0	0	470
18:00	54	91	135	32	6	1	0	0	0	0	0	0	0	0	319
19:00	31	76	81	21	2	0	0	0	0	0	0	0	0	0	211
20:00	25	50	75	13	3	2	0	0	0	0	0	0	0	0	168
21:00	8	32	35	14	1	0	0	0	0	0	0	0	0	0	90
22:00	2	11	28	12	3	0	0	0	0	0	0	0	0	0	56
23:00	1	6	11	3	1	1	0	0	0	0	0	0	0	0	23
Total	1658	1774	1516	348	42	8	0	1	0	0	0	0	0	0	5347

Daily
 15th Percentile : 16 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3290
 Percent in Pace : 61.5%
 Number of Vehicles > 45 MPH : 399
 Percent of Vehicles > 45 MPH : 7.5%

Grand Total	4228	3322	2516	555	64	10	0	1	0	0	0	0	0	0	1	10697
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Overall
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5838
 Percent in Pace : 54.6%
 Number of Vehicles > 45 MPH : 631
 Percent of Vehicles > 45 MPH : 5.9%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	3	10	3	0	0	0	0	0	0	0	0	0	0	18
01:00	1	8	4	1	0	0	0	0	0	0	0	0	0	0	14
02:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4
03:00	0	7	2	3	1	0	0	0	0	0	0	0	0	0	13
04:00	3	8	5	11	2	0	0	0	0	0	0	0	0	0	29
05:00	17	22	34	17	4	0	0	0	0	0	0	0	0	0	94
06:00	103	109	69	6	2	0	0	0	0	0	0	0	0	0	289
07:00	170	147	103	8	2	0	0	0	0	0	0	0	0	0	430
08:00	265	61	18	2	0	0	0	0	0	0	0	0	0	0	346
09:00	233	71	12	0	1	0	0	0	0	0	0	0	0	0	317
10:00	126	61	16	4	0	0	0	0	0	0	0	0	0	0	207
11:00	145	91	17	1	0	0	0	0	0	0	0	0	0	0	254
12 PM	253	68	14	0	0	0	0	0	0	1	0	0	0	0	336
13:00	211	90	9	0	0	0	0	0	0	0	0	0	0	0	310
14:00	200	71	14	1	0	0	0	1	0	0	0	0	0	0	287
15:00	291	97	19	0	1	0	0	0	0	0	0	0	0	0	408
16:00	217	125	31	1	1	0	0	0	0	0	0	0	0	0	375
17:00	155	140	132	18	1	0	0	1	0	0	0	0	0	0	447
18:00	58	145	112	18	2	0	0	0	0	0	0	0	0	0	335
19:00	36	128	82	16	1	0	0	0	0	0	0	0	0	0	263
20:00	24	102	79	14	2	0	0	0	0	0	0	0	0	0	221
21:00	20	46	51	18	2	0	0	0	0	0	0	0	0	0	137
22:00	12	36	29	12	1	0	0	0	0	0	0	0	0	0	90
23:00	2	12	16	2	1	0	0	0	0	0	0	0	0	0	33
Total	2544	1649	881	156	24	0	0	2	0	1	0	0	0	0	5257

Daily

15th Percentile :	10 MPH
50th Percentile :	35 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	2530
Percent in Pace :	48.1%
Number of Vehicles > 45 MPH :	183
Percent of Vehicles > 45 MPH :	3.5%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	2	5	7	1	1	0	0	0	0	0	0	0	0	0	16
01:00	1	5	9	1	0	0	0	1	0	0	0	0	0	0	17
02:00	2	2	4	0	0	0	0	0	0	0	0	0	0	0	8
03:00	0	3	2	1	1	1	0	0	0	0	0	0	0	0	8
04:00	4	7	11	9	2	0	1	0	0	0	0	0	0	0	34
05:00	19	18	38	16	2	0	0	0	0	0	0	0	0	0	93
06:00	80	98	81	11	2	0	0	0	0	0	0	0	0	0	272
07:00	179	139	85	14	0	0	0	0	0	0	0	0	0	0	417
08:00	301	59	17	2	0	0	0	0	0	0	0	0	0	0	379
09:00	277	41	1	0	0	0	0	0	0	0	0	0	0	0	319
10:00	222	87	14	1	0	0	1	0	0	0	0	0	0	0	325
11:00	124	106	22	2	0	0	0	0	0	0	0	0	0	0	254
12 PM	70	125	95	16	1	0	1	0	0	0	0	0	0	0	308
13:00	63	116	100	19	1	0	0	0	0	0	0	0	0	0	299
14:00	81	128	101	15	1	0	0	0	0	0	0	0	0	0	326
15:00	97	181	129	35	0	0	0	0	0	0	0	0	0	0	442
16:00	75	148	179	38	0	0	0	0	0	0	0	0	0	0	440
17:00	71	161	146	36	3	2	0	0	0	0	0	0	0	0	419
18:00	51	92	126	24	1	2	0	0	0	0	0	0	0	0	296
19:00	34	97	93	22	0	0	0	0	0	0	0	0	0	0	246
20:00	29	58	68	21	2	0	0	0	0	0	0	0	0	0	178
21:00	17	44	46	20	1	0	0	0	0	0	0	0	0	0	128
22:00	4	32	36	11	0	0	0	0	0	0	0	0	0	0	83
23:00	3	9	16	10	1	0	0	0	0	0	0	0	0	0	39
Total	1806	1761	1426	325	19	5	3	1	0	0	0	0	0	0	5346

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

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3187
 Percent in Pace : 59.6%
 Number of Vehicles > 45 MPH : 353
 Percent of Vehicles > 45 MPH : 6.6%

Grand Total	4350	3410	2307	481	43	5	3	3	0	1	0	0	0	0	10603
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Overall
 15th Percentile : 12 MPH
 50th Percentile : 36 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5717
 Percent in Pace : 53.9%
 Number of Vehicles > 45 MPH : 536
 Percent of Vehicles > 45 MPH : 5.1%

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Community: Hanover
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 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	4	6	17	7	1	0	0	0	0	0	0	0	0	0	35
01:00	1	9	7	2	0	0	0	0	0	0	0	0	0	0	19
02:00	0	1	7	3	1	0	0	0	0	0	0	0	0	0	12
03:00	0	8	9	7	1	0	0	0	0	0	0	0	0	0	25
04:00	3	12	18	21	3	1	0	0	0	0	0	0	0	0	58
05:00	42	45	66	31	6	0	0	0	0	0	0	0	0	0	190
06:00	202	211	136	18	2	0	0	0	0	0	0	0	0	0	569
07:00	332	270	199	17	3	0	0	0	0	0	0	0	0	0	821
08:00	613	133	28	5	0	0	0	0	0	0	0	0	0	0	779
09:00	453	147	29	2	1	0	0	0	0	0	0	0	0	0	632
10:00	305	158	37	4	0	0	0	0	0	0	0	0	0	0	504
11:00	306	172	45	4	1	0	0	0	0	0	0	0	0	0	528
12 PM	446	146	37	1	1	0	0	0	0	1	0	0	0	0	632
13:00	358	174	33	2	0	0	0	0	0	0	0	0	0	0	567
14:00	399	177	56	3	0	0	0	1	0	0	0	0	0	0	636
15:00	587	182	49	3	1	0	0	0	0	0	0	0	0	0	822
16:00	454	245	93	6	1	0	0	0	0	0	0	0	0	1	800
17:00	296	249	289	65	5	0	0	1	0	0	0	0	0	0	905
18:00	119	297	224	44	3	0	0	0	0	0	0	0	0	0	687
19:00	85	225	170	32	2	0	0	0	0	0	0	0	0	0	514
20:00	50	160	140	31	4	0	0	0	0	0	0	0	0	0	385
21:00	38	86	92	28	5	1	0	0	0	0	0	0	0	0	250
22:00	15	57	65	20	3	0	0	0	0	0	0	0	0	0	160
23:00	6	27	35	7	2	0	0	0	0	0	0	0	0	0	77
Total	5114	3197	1881	363	46	2	0	2	0	1	0	0	0	1	10607

Daily

15th Percentile :	10 MPH
50th Percentile :	35 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	30 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	5078
Percent in Pace :	47.9%
Number of Vehicles > 45 MPH :	415
Percent of Vehicles > 45 MPH :	3.9%

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 Date Start: 11-Sep-19
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 Hanover St (139), west of Plain St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	4	6	16	5	2	1	0	0	0	0	0	0	0	0	34
01:00	1	7	12	2	0	0	0	1	0	0	0	0	0	0	23
02:00	4	3	7	2	1	0	0	0	0	0	0	0	0	0	17
03:00	0	4	10	4	2	1	0	0	0	0	0	0	0	0	21
04:00	5	11	22	21	2	1	1	0	0	0	0	0	0	0	63
05:00	33	43	68	33	2	0	0	0	0	0	0	0	0	0	179
06:00	146	197	169	31	3	0	0	0	0	0	0	0	0	0	546
07:00	347	296	162	29	4	1	0	0	0	0	0	0	0	0	839
08:00	556	172	56	5	0	0	0	0	0	0	0	0	0	0	789
09:00	520	102	14	3	0	0	0	0	0	0	0	0	0	0	639
10:00	398	175	37	4	0	0	1	0	0	0	0	0	0	0	615
11:00	249	222	79	8	2	0	0	0	0	0	0	0	0	0	560
12 PM	135	254	204	36	2	0	1	0	0	0	0	0	0	0	632
13:00	131	241	196	40	1	0	0	1	0	0	0	0	0	0	610
14:00	154	251	236	38	6	1	0	0	0	0	0	0	0	0	686
15:00	205	316	276	68	5	0	0	0	0	0	0	0	0	0	870
16:00	140	308	316	76	4	0	0	0	0	0	0	0	0	0	844
17:00	177	329	312	65	4	2	0	0	0	0	0	0	0	0	889
18:00	105	183	261	56	7	3	0	0	0	0	0	0	0	0	615
19:00	65	173	174	43	2	0	0	0	0	0	0	0	0	0	457
20:00	54	108	143	34	5	2	0	0	0	0	0	0	0	0	346
21:00	25	76	81	34	2	0	0	0	0	0	0	0	0	0	218
22:00	6	43	64	23	3	0	0	0	0	0	0	0	0	0	139
23:00	4	15	27	13	2	1	0	0	0	0	0	0	0	0	62
Total	3464	3535	2942	673	61	13	3	2	0	0	0	0	0	0	10693

Daily
 15th Percentile : 16 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 6477
 Percent in Pace : 60.6%
 Number of Vehicles > 45 MPH : 752
 Percent of Vehicles > 45 MPH : 7.0%

Grand Total	8578	6732	4823	1036	107	15	3	4	0	1	0	0	0	1	21300
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Overall
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 11555
 Percent in Pace : 54.2%
 Number of Vehicles > 45 MPH : 1167
 Percent of Vehicles > 45 MPH : 5.5%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	12	1	1	1	1	0	0	0	0	0	0	0	17	3
01:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
02:00	0	5	2	0	1	0	0	0	0	0	0	0	0	8	1
03:00	0	9	1	0	2	0	0	0	0	0	0	0	0	12	2
04:00	0	23	5	0	1	0	0	0	0	0	0	0	0	29	1
05:00	1	58	31	0	4	0	0	2	0	0	0	0	0	96	6
06:00	9	166	80	4	15	1	0	2	0	0	0	0	0	277	22
07:00	7	257	93	4	22	3	0	1	1	0	0	0	0	388	31
08:00	8	296	91	3	27	3	1	1	1	0	0	0	0	431	36
09:00	8	195	77	3	23	6	0	2	0	0	0	0	0	314	34
10:00	3	210	67	4	11	0	0	1	1	0	0	0	0	297	17
11:00	3	190	60	5	7	5	0	2	2	0	0	0	0	274	21
12 PM	2	193	78	3	18	2	0	0	0	0	0	0	0	296	23
13:00	3	172	64	0	15	1	0	1	0	0	0	0	0	256	17
14:00	11	225	83	4	18	3	0	2	2	0	0	0	0	348	29
15:00	6	284	89	4	15	8	1	2	1	0	0	0	0	410	31
16:00	7	288	98	2	22	5	0	1	2	0	0	0	0	425	32
17:00	6	351	83	1	12	1	0	2	0	0	0	0	0	456	16
18:00	8	252	75	0	15	1	0	1	0	0	0	0	0	352	17
19:00	4	173	64	0	10	0	0	0	0	0	0	0	0	251	10
20:00	2	133	27	0	2	0	0	0	0	0	0	0	0	164	2
21:00	1	84	22	0	5	1	0	0	0	0	0	0	0	113	6
22:00	0	54	14	0	1	0	0	0	1	0	0	0	0	70	2
23:00	0	32	10	0	1	0	0	0	1	0	0	0	0	44	2
Total	90	3666	1216	38	248	41	2	20	12	0	0	0	0	5333	361
Percent	1.7%	68.7%	22.8%	0.7%	4.7%	0.8%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		6.8%
AM Peak Vol.	06:00	08:00	07:00	11:00	08:00	09:00	08:00	05:00	11:00					08:00	08:00
PM Peak Vol.	14:00	17:00	16:00	14:00	16:00	15:00	15:00	14:00	14:00					17:00	16:00
	9	296	93	5	27	6	1	2	2					431	36
	11	351	98	4	22	8	1	2	2					456	32

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	16	0	0	1	0	0	0	1	0	0	0	0	18	2
01:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9	1
03:00	0	9	3	0	1	0	0	0	0	0	0	0	0	13	1
04:00	0	21	2	1	5	0	0	0	0	0	0	0	0	29	6
05:00	0	47	28	0	7	1	0	3	0	0	0	0	0	86	11
06:00	7	152	90	6	14	1	0	3	0	0	0	0	0	273	24
07:00	7	280	103	3	17	1	0	4	1	0	0	0	0	416	26
08:00	4	261	98	5	27	6	0	5	2	0	0	0	0	408	45
09:00	2	222	67	5	19	2	0	0	0	0	0	0	0	317	26
10:00	2	176	83	4	19	1	0	2	2	0	0	0	0	289	28
11:00	3	196	71	9	22	0	0	2	3	0	0	0	0	306	36
12 PM	6	201	86	2	23	1	0	1	4	0	0	0	0	324	31
13:00	4	213	76	3	11	4	0	0	0	0	0	0	0	311	18
14:00	3	227	95	4	19	2	0	2	6	0	0	0	0	358	33
15:00	11	269	120	2	21	3	0	1	1	0	0	0	0	428	28
16:00	6	272	97	3	19	3	0	1	1	0	0	0	0	402	27
17:00	6	345	88	1	24	2	0	2	0	0	0	0	0	468	29
18:00	2	236	65	0	14	1	0	1	0	0	0	0	0	319	16
19:00	3	138	64	0	6	0	0	0	0	0	0	0	0	211	6
20:00	0	124	39	0	5	0	0	0	0	0	0	0	0	168	5
21:00	0	74	14	0	2	0	0	0	0	0	0	0	0	90	2
22:00	0	50	6	0	0	0	0	0	0	0	0	0	0	56	0
23:00	0	19	4	0	0	0	0	0	0	0	0	0	0	23	0
Total	66	3561	1300	48	277	28	0	27	21	0	0	0	0	5328	401
Percent	1.2%	66.8%	24.4%	0.9%	5.2%	0.5%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		7.5%
AM Peak	06:00	07:00	07:00	11:00	08:00	08:00		08:00	11:00					07:00	08:00
Vol.	7	280	103	9	27	6		5	3					416	45
PM Peak	15:00	17:00	15:00	14:00	17:00	13:00		14:00	14:00					17:00	14:00
Vol.	11	345	120	4	24	4		2	6					468	33
Grand Total	156	7227	2516	86	525	69	2	47	33	0	0	0	0	10661	762
Percent	1.5%	67.8%	23.6%	0.8%	4.9%	0.6%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		7.1%

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Community: Hanover
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 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	16	2	0	0	0	0	0	0	0	0	0	0	18	0
01:00	0	11	2	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
03:00	0	4	4	1	2	1	0	0	1	0	0	0	0	13	5
04:00	0	14	14	0	0	0	0	0	1	0	0	0	0	29	1
05:00	0	58	32	0	4	0	0	0	0	0	0	0	0	94	4
06:00	6	193	71	0	13	1	0	0	3	0	0	0	0	287	17
07:00	6	300	90	2	19	4	0	4	2	1	0	0	0	428	32
08:00	3	244	76	2	15	1	0	1	2	0	1	0	0	345	22
09:00	5	208	72	5	15	2	0	4	4	0	0	0	0	315	30
10:00	1	137	48	2	14	1	0	4	0	0	0	0	0	207	21
11:00	3	178	57	3	10	0	0	1	2	0	0	0	0	254	16
12 PM	5	226	80	4	10	5	1	1	2	0	0	0	0	334	23
13:00	5	206	69	2	18	1	1	5	1	0	0	0	0	308	28
14:00	7	191	63	7	14	2	0	1	0	0	0	0	0	285	24
15:00	14	259	98	5	19	5	1	2	2	0	0	0	0	405	34
16:00	6	265	84	2	10	2	0	2	3	0	0	0	0	374	19
17:00	6	333	89	3	11	1	2	2	0	0	0	0	0	447	19
18:00	12	253	57	1	10	0	0	1	0	0	0	0	0	334	12
19:00	0	204	52	0	6	0	0	1	0	0	0	0	0	263	7
20:00	8	175	34	0	3	0	0	0	1	0	0	0	0	221	4
21:00	2	116	14	0	4	0	0	0	1	0	0	0	0	137	5
22:00	0	78	10	0	2	0	0	0	0	0	0	0	0	90	2
23:00	0	27	3	0	3	0	0	0	0	0	0	0	0	33	3
Total	89	3698	1122	39	204	26	5	29	25	1	1	0	0	5239	330
Percent	1.7%	70.6%	21.4%	0.7%	3.9%	0.5%	0.1%	0.6%	0.5%	0.0%	0.0%	0.0%	0.0%		6.3%
AM Peak Vol.	06:00	07:00	07:00	09:00	07:00	07:00		07:00	09:00	07:00	08:00			07:00	07:00
PM Peak Vol.	15:00	17:00	15:00	14:00	15:00	12:00	17:00	13:00	16:00					17:00	15:00
	14	333	98	7	19	5	2	5	3					447	34

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 13209
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	13	3	0	0	0	0	0	0	0	0	0	0	16	0
01:00	0	14	2	0	1	0	0	0	0	0	0	0	0	17	1
02:00	0	6	0	0	2	0	0	0	0	0	0	0	0	8	2
03:00	0	4	2	0	2	0	0	0	0	0	0	0	0	8	2
04:00	0	17	16	0	0	0	0	0	1	0	0	0	0	34	1
05:00	0	57	28	0	8	0	0	0	0	0	0	0	0	93	8
06:00	2	188	67	0	10	1	0	0	3	0	0	0	0	271	14
07:00	4	306	87	2	13	1	0	0	2	0	0	0	0	415	18
08:00	6	254	89	5	15	3	0	1	1	0	1	0	0	375	26
09:00	3	200	79	6	24	1	0	5	1	0	0	0	0	319	37
10:00	6	198	82	6	25	4	0	2	2	0	0	0	0	325	39
11:00	0	172	60	5	13	1	0	3	0	0	0	0	0	254	22
12 PM	2	188	87	2	23	3	0	0	3	0	0	0	0	308	31
13:00	2	209	66	3	14	3	0	2	0	0	0	0	0	299	22
14:00	4	209	83	7	18	3	0	0	1	0	0	0	0	325	29
15:00	8	306	111	2	12	2	0	0	0	0	0	0	0	441	16
16:00	8	312	99	0	15	1	0	1	1	0	0	0	0	437	18
17:00	7	308	89	0	12	0	0	1	1	0	0	0	0	418	14
18:00	2	214	69	0	8	0	0	1	1	0	0	0	0	295	10
19:00	2	187	48	0	9	0	0	0	0	0	0	0	0	246	9
20:00	2	141	32	0	3	0	0	0	0	0	0	0	0	178	3
21:00	0	108	19	0	1	0	0	0	0	0	0	0	0	128	1
22:00	0	69	11	0	3	0	0	0	0	0	0	0	0	83	3
23:00	0	29	9	0	1	0	0	0	0	0	0	0	0	39	1
Total	58	3709	1238	38	232	23	0	16	17	0	1	0	0	5332	327
Percent	1.1%	69.6%	23.2%	0.7%	4.4%	0.4%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		6.1%
AM Peak Vol.	6	306	89	6	25	4		5	3		1			415	39
PM Peak Vol.	8	312	111	7	23	3		2	3					441	31
Grand Total	147	7407	2360	77	436	49	5	45	42	1	2	0	0	10571	657
Percent	1.4%	70.1%	22.3%	0.7%	4.1%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		6.2%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Plain St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	28	3	1	1	1	0	0	0	0	0	0	0	35	3
01:00	0	15	3	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	7	3	0	2	0	0	0	0	0	0	0	0	12	2
03:00	0	13	5	1	4	1	0	0	1	0	0	0	0	25	7
04:00	0	37	19	0	1	0	0	0	1	0	0	0	0	58	2
05:00	1	116	63	0	8	0	0	2	0	0	0	0	0	190	10
06:00	15	359	151	4	28	2	0	2	3	0	0	0	0	564	39
07:00	13	557	183	6	41	7	0	5	3	1	0	0	0	816	63
08:00	11	540	167	5	42	4	1	2	3	0	1	0	0	776	58
09:00	13	403	149	8	38	8	0	6	4	0	0	0	0	629	64
10:00	4	347	115	6	25	1	0	5	1	0	0	0	0	504	38
11:00	6	368	117	8	17	5	0	3	4	0	0	0	0	528	37
12 PM	7	419	158	7	28	7	1	1	2	0	0	0	0	630	46
13:00	8	378	133	2	33	2	1	6	1	0	0	0	0	564	45
14:00	18	416	146	11	32	5	0	3	2	0	0	0	0	633	53
15:00	20	543	187	9	34	13	2	4	3	0	0	0	0	815	65
16:00	13	553	182	4	32	7	0	3	5	0	0	0	0	799	51
17:00	12	684	172	4	23	2	2	4	0	0	0	0	0	903	35
18:00	20	505	132	1	25	1	0	2	0	0	0	0	0	686	29
19:00	4	377	116	0	16	0	0	1	0	0	0	0	0	514	17
20:00	10	308	61	0	5	0	0	0	1	0	0	0	0	385	6
21:00	3	200	36	0	9	1	0	0	1	0	0	0	0	250	11
22:00	0	132	24	0	3	0	0	0	1	0	0	0	0	160	4
23:00	0	59	13	0	4	0	0	0	1	0	0	0	0	77	5
Total	179	7364	2338	77	452	67	7	49	37	1	1	0	0	10572	691
Percent	1.7%	69.7%	22.1%	0.7%	4.3%	0.6%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		6.5%
AM Peak	06:00	07:00	07:00	09:00	08:00	09:00	08:00	09:00	09:00	07:00	08:00			07:00	09:00
Vol.	15	557	183	8	42	8	1	6	4	1	1			816	64
PM Peak	15:00	17:00	15:00	14:00	15:00	15:00	15:00	13:00	16:00					17:00	15:00
Vol.	20	684	187	11	34	13	2	6	5					903	65

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Station ID:
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 Date Start: 11-Sep-19
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 Hanover St (139), west of Plain St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	29	3	0	1	0	0	0	1	0	0	0	0	34	2
01:00	0	20	2	0	1	0	0	0	0	0	0	0	0	23	1
02:00	0	13	1	0	3	0	0	0	0	0	0	0	0	17	3
03:00	0	13	5	0	3	0	0	0	0	0	0	0	0	21	3
04:00	0	38	18	1	5	0	0	0	1	0	0	0	0	63	7
05:00	0	104	56	0	15	1	0	3	0	0	0	0	0	179	19
06:00	9	340	157	6	24	2	0	3	3	0	0	0	0	544	38
07:00	11	586	190	5	30	2	0	4	3	0	0	0	0	831	44
08:00	10	515	187	10	42	9	0	6	3	0	1	0	0	783	71
09:00	5	422	146	11	43	3	0	5	1	0	0	0	0	636	63
10:00	8	374	165	10	44	5	0	4	4	0	0	0	0	614	67
11:00	3	368	131	14	35	1	0	5	3	0	0	0	0	560	58
12 PM	8	389	173	4	46	4	0	1	7	0	0	0	0	632	62
13:00	6	422	142	6	25	7	0	2	0	0	0	0	0	610	40
14:00	7	436	178	11	37	5	0	2	7	0	0	0	0	683	62
15:00	19	575	231	4	33	5	0	1	1	0	0	0	0	869	44
16:00	14	584	196	3	34	4	0	2	2	0	0	0	0	839	45
17:00	13	653	177	1	36	2	0	3	1	0	0	0	0	886	43
18:00	4	450	134	0	22	1	0	2	1	0	0	0	0	614	26
19:00	5	325	112	0	15	0	0	0	0	0	0	0	0	457	15
20:00	2	265	71	0	8	0	0	0	0	0	0	0	0	346	8
21:00	0	182	33	0	3	0	0	0	0	0	0	0	0	218	3
22:00	0	119	17	0	3	0	0	0	0	0	0	0	0	139	3
23:00	0	48	13	0	1	0	0	0	0	0	0	0	0	62	1
Total	124	7270	2538	86	509	51	0	43	38	0	1	0	0	10660	728
Percent	1.2%	68.2%	23.8%	0.8%	4.8%	0.5%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		6.8%
AM Peak Vol.	11	586	190	14	44	9		6	4		1			831	71
PM Peak Vol.	19	653	231	11	46	7		3	7					886	62
Grand Total	303	14634	4876	163	961	118	7	92	75	1	2	0	0	21232	1419
Percent	1.4%	68.9%	23.0%	0.8%	4.5%	0.6%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		6.7%

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

Start Time	09-Sep-19		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	*	*	*	*	16	16	17	16	*	*	*	*	*	*	16	16
01:00	*	*	*	*	4	15	6	16	*	*	*	*	*	*	5	16
02:00	*	*	*	*	8	4	9	8	*	*	*	*	*	*	8	6
03:00	*	*	*	*	10	13	13	7	*	*	*	*	*	*	12	10
04:00	*	*	*	*	29	21	30	26	*	*	*	*	*	*	30	24
05:00	*	*	*	*	75	84	69	78	*	*	*	*	*	*	72	81
06:00	*	*	*	*	255	239	242	220	*	*	*	*	*	*	248	230
07:00	*	*	*	*	361	353	392	348	*	*	*	*	*	*	376	350
08:00	*	*	*	*	388	323	371	344	*	*	*	*	*	*	380	334
09:00	*	*	*	*	266	260	311	303	*	*	*	*	*	*	288	282
10:00	*	*	*	*	268	196	271	282	*	*	*	*	*	*	270	239
11:00	*	*	*	*	267	248	281	244	*	*	*	*	*	*	274	246
12:00 PM	*	*	*	*	279	293	278	287	*	*	*	*	*	*	278	290
01:00	*	*	*	*	250	302	295	274	*	*	*	*	*	*	272	288
02:00	*	*	*	*	324	281	325	297	*	*	*	*	*	*	324	289
03:00	*	*	*	*	382	393	396	422	*	*	*	*	*	*	389	408
04:00	*	*	*	*	406	386	388	410	*	*	*	*	*	*	397	398
05:00	*	*	*	*	422	397	427	373	*	*	*	*	*	*	424	385
06:00	*	*	*	*	305	301	273	263	*	*	*	*	*	*	289	282
07:00	*	*	*	*	214	240	193	247	*	*	*	*	*	*	204	244
08:00	*	*	*	*	151	210	153	168	*	*	*	*	*	*	152	189
09:00	*	*	*	*	109	132	81	121	*	*	*	*	*	*	95	126
10:00	*	*	*	*	60	91	49	75	*	*	*	*	*	*	54	83
11:00	*	*	*	*	39	30	21	37	*	*	*	*	*	*	30	34
Lane	0	0	0	0	4888	4828	4891	4866	0	0	0	0	0	0	4887	4850
Day	0	0	0	0	9716	9716	9757	9757	0	0	0	0	0	0	9737	9737
AM Peak	-	-	-	-	08:00	07:00	07:00	07:00	-	-	-	-	-	-	08:00	07:00
Vol.	-	-	-	-	388	353	392	348	-	-	-	-	-	-	380	350
PM Peak	-	-	-	-	17:00	17:00	17:00	15:00	-	-	-	-	-	-	17:00	15:00
Vol.	-	-	-	-	422	397	427	422	-	-	-	-	-	-	424	408

Comb. Total 0 0 9716 9757 0 0 0 9737

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Community: Hanover
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 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

Start Time	11-Sep-19		EB		WB		Combined		12-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			7	72	6	77	13	149		6	68	4	69	10	137	
12:15			8	72	5	74	13	146		3	70	7	75	10	145	
12:30			1	74	3	77	4	151		6	68	2	75	8	143	
12:45			0	61	2	65	2	126		2	72	3	68	5	140	
01:00			0	63	2	71	2	134		0	80	5	64	5	144	
01:15			1	56	7	77	8	133		2	73	3	78	5	151	
01:30			3	77	4	72	7	149		2	71	3	67	5	138	
01:45			0	54	2	82	2	136		2	71	5	65	7	136	
02:00			0	73	0	68	0	141		1	73	2	86	3	159	
02:15			3	69	3	86	6	155		5	77	0	71	5	148	
02:30			4	84	1	58	5	142		2	85	4	71	6	156	
02:45			1	98	0	69	1	167		1	90	2	69	3	159	
03:00			0	103	2	100	2	203		1	106	0	103	1	209	
03:15			2	86	2	111	4	197		1	94	0	108	1	202	
03:30			3	86	3	84	6	170		6	106	4	102	10	208	
03:45			5	107	6	98	11	205		5	90	3	109	8	199	
04:00			4	105	3	90	7	195		3	91	1	106	4	197	
04:15			5	115	4	104	9	219		7	102	5	102	12	204	
04:30			7	98	5	93	12	191		11	102	9	110	20	212	
04:45			13	88	9	99	22	187		9	93	11	92	20	185	
05:00			10	103	12	115	22	218		8	108	10	98	18	206	
05:15			15	108	11	115	26	223		20	116	16	95	36	211	
05:30			26	99	28	86	54	185		23	93	19	101	42	194	
05:45			24	112	33	81	57	193		18	110	33	79	51	189	
06:00			33	85	39	81	72	166		35	72	48	80	83	152	
06:15			58	80	58	70	116	150		46	81	58	70	104	151	
06:30			77	79	67	83	144	162		76	59	60	52	136	111	
06:45			87	61	75	67	162	128		85	61	54	61	139	122	
07:00			66	75	76	69	142	144		82	62	83	64	165	126	
07:15			78	61	98	64	176	125		76	53	96	82	172	135	
07:30			115	45	98	61	213	106		116	39	83	59	199	98	
07:45			102	33	81	46	183	79		118	39	86	42	204	81	
08:00			109	45	82	57	191	102		99	40	99	46	198	86	
08:15			109	39	77	60	186	99		87	41	82	41	169	82	
08:30			83	35	92	53	175	88		94	41	74	37	168	78	
08:45			87	32	72	40	159	72		91	31	89	44	180	75	
09:00			71	25	71	46	142	71		93	24	75	47	168	71	
09:15			61	39	60	35	121	74		75	25	88	32	163	57	
09:30			69	27	75	22	144	49		72	18	64	22	136	40	
09:45			65	18	54	29	119	47		71	14	76	20	147	34	
10:00			60	19	39	35	99	54		63	15	61	29	124	44	
10:15			65	20	44	25	109	45		72	14	70	25	142	39	
10:30			75	10	54	19	129	29		83	6	72	10	155	16	
10:45			68	11	59	12	127	23		53	14	79	11	132	25	
11:00			63	12	56	10	119	22		57	2	61	10	118	12	
11:15			78	11	59	7	137	18		84	8	67	9	151	17	
11:30			64	8	69	7	133	15		67	7	58	7	125	14	
11:45			62	8	64	6	126	14		73	4	58	11	131	15	
Total			1947	2941	1772	3056	3719	5997		2012	2879	1892	2974	3904	5853	
Day Total			4888		4828		9716			4891		4866		9757		
% Total			20.0%	30.3%	18.2%	31.5%				20.6%	29.5%	19.4%	30.5%			
Peak	-		07:30	03:45	07:15	04:30	07:30	04:30	-	07:30	05:00	07:15	03:45	07:15	03:00	
Vol.	-		435	425	359	422	773	819	-	420	427	364	427	773	818	
P.H.F.			0.946	0.924	0.916	0.917	0.907	0.918		0.890	0.920	0.919	0.970	0.947	0.978	

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Community: Hanover
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 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	32	33	*	*	*	32
01:00	*	*	19	22	*	*	*	20
02:00	*	*	12	17	*	*	*	14
03:00	*	*	23	20	*	*	*	22
04:00	*	*	50	56	*	*	*	53
05:00	*	*	159	147	*	*	*	153
06:00	*	*	494	462	*	*	*	478
07:00	*	*	714	740	*	*	*	727
08:00	*	*	711	715	*	*	*	713
09:00	*	*	526	614	*	*	*	570
10:00	*	*	464	553	*	*	*	508
11:00	*	*	515	525	*	*	*	520
12:00 PM	*	*	572	565	*	*	*	568
01:00	*	*	552	569	*	*	*	560
02:00	*	*	605	622	*	*	*	614
03:00	*	*	775	818	*	*	*	796
04:00	*	*	792	798	*	*	*	795
05:00	*	*	819	800	*	*	*	810
06:00	*	*	606	536	*	*	*	571
07:00	*	*	454	440	*	*	*	447
08:00	*	*	361	321	*	*	*	341
09:00	*	*	241	202	*	*	*	222
10:00	*	*	151	124	*	*	*	138
11:00	*	*	69	58	*	*	*	64
Total	0	0	9716	9757	0	0	0	
Percentage	0.0%	0.0%	99.8%	100.2%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	714	740	-	-	-	-
PM Peak	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	819	818	-	-	-	-

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	1	5	4	3	1	0	0	0	0	0	0	0	0	16
01:00	0	0	2	1	1	0	0	0	0	0	0	0	0	0	4
02:00	0	0	1	4	2	1	0	0	0	0	0	0	0	0	8
03:00	0	0	2	3	4	1	0	0	0	0	0	0	0	0	10
04:00	1	1	6	8	7	5	1	0	0	0	0	0	0	0	29
05:00	1	5	25	31	11	2	0	0	0	0	0	0	0	0	75
06:00	16	34	102	84	15	4	0	0	0	0	0	0	0	0	255
07:00	39	80	144	82	13	2	0	0	0	0	0	0	0	1	361
08:00	27	108	192	51	6	2	2	0	0	0	0	0	0	0	388
09:00	24	85	112	37	6	2	0	0	0	0	0	0	0	0	266
10:00	36	75	120	31	4	1	1	0	0	0	0	0	0	0	268
11:00	14	94	121	34	3	1	0	0	0	0	0	0	0	0	267
12 PM	44	69	115	45	5	1	0	0	0	0	0	0	0	0	279
13:00	18	81	116	30	4	1	0	0	0	0	0	0	0	0	250
14:00	36	100	123	52	8	5	0	0	0	0	0	0	0	0	324
15:00	67	98	166	39	10	1	0	0	0	0	1	0	0	0	382
16:00	42	116	179	57	9	1	1	0	0	0	0	0	1	0	406
17:00	24	75	200	97	26	0	0	0	0	0	0	0	0	0	422
18:00	14	37	134	99	18	2	0	0	0	0	0	1	0	0	305
19:00	13	44	98	51	8	0	0	0	0	0	0	0	0	0	214
20:00	4	25	60	46	12	2	1	0	0	1	0	0	0	0	151
21:00	3	13	59	22	7	4	1	0	0	0	0	0	0	0	109
22:00	2	4	21	16	15	2	0	0	0	0	0	0	0	0	60
23:00	2	2	16	17	2	0	0	0	0	0	0	0	0	0	39
Total	429	1147	2119	941	199	41	7	0	0	1	1	1	1	1	4888

Daily

15th Percentile :	36 MPH
50th Percentile :	42 MPH
85th Percentile :	47 MPH
95th Percentile :	50 MPH
Mean Speed(Average) :	41 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	3266
Percent in Pace :	66.8%
Number of Vehicles > 45 MPH :	1193
Percent of Vehicles > 45 MPH :	24.4%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	0	2	2	8	3	1	1	0	0	0	0	0	0	0	17
01:00	0	0	2	2	2	0	0	0	0	0	0	0	0	0	6
02:00	0	1	3	1	2	1	1	0	0	0	0	0	0	0	9
03:00	0	0	0	9	3	1	0	0	0	0	0	0	0	0	13
04:00	1	3	8	6	10	1	1	0	0	0	0	0	0	0	30
05:00	0	5	21	33	7	3	0	0	0	0	0	0	0	0	69
06:00	11	27	101	82	19	2	0	0	0	0	0	0	0	0	242
07:00	56	77	147	98	11	2	1	0	0	0	0	0	0	0	392
08:00	33	126	144	60	7	0	1	0	0	0	0	0	0	0	371
09:00	65	136	93	17	0	0	0	0	0	0	0	0	0	0	311
10:00	41	97	103	27	3	0	0	0	0	0	0	0	0	0	271
11:00	24	93	111	50	3	0	0	0	0	0	0	0	0	0	281
12 PM	20	41	126	75	14	2	0	0	0	0	0	0	0	0	278
13:00	12	65	117	88	11	2	0	0	0	0	0	0	0	0	295
14:00	14	51	136	103	15	6	0	0	0	0	0	0	0	0	325
15:00	27	35	193	115	24	1	0	1	0	0	0	0	0	0	396
16:00	26	63	173	107	16	2	1	0	0	0	0	0	0	0	388
17:00	25	49	213	113	25	0	1	0	0	0	0	0	0	1	427
18:00	10	24	99	116	21	3	0	0	0	0	0	0	0	0	273
19:00	10	22	96	55	10	0	0	0	0	0	0	0	0	0	193
20:00	2	19	65	52	12	3	0	0	0	0	0	0	0	0	153
21:00	1	15	33	23	8	1	0	0	0	0	0	0	0	0	81
22:00	0	10	15	15	8	0	1	0	0	0	0	0	0	0	49
23:00	0	2	7	8	2	0	1	1	0	0	0	0	0	0	21
Total	378	963	2008	1263	236	31	9	2	0	0	0	0	0	1	4891

Daily

15th Percentile : 36 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 3271
 Percent in Pace : 66.9%
 Number of Vehicles > 45 MPH : 1542
 Percent of Vehicles > 45 MPH : 31.5%

Grand Total	807	2110	4127	2204	435	72	16	2	0	1	1	1	1	2	9779
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Overall

15th Percentile : 36 MPH
 50th Percentile : 42 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6331
 Percent in Pace : 64.7%
 Number of Vehicles > 45 MPH : 2735
 Percent of Vehicles > 45 MPH : 28.0%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	0	0	3	10	3	0	0	0	0	0	0	0	0	0	16
01:00	0	2	7	4	2	0	0	0	0	0	0	0	0	0	15
02:00	0	0	1	2	1	0	0	0	0	0	0	0	0	0	4
03:00	0	2	8	1	1	0	1	0	0	0	0	0	0	0	13
04:00	3	1	3	7	6	1	0	0	0	0	0	0	0	0	21
05:00	1	2	23	44	12	2	0	0	0	0	0	0	0	0	84
06:00	5	21	101	98	13	0	1	0	0	0	0	0	0	0	239
07:00	16	46	149	123	17	2	0	0	0	0	0	0	0	0	353
08:00	21	63	135	78	24	2	0	0	0	0	0	0	0	0	323
09:00	35	37	130	55	3	0	0	0	0	0	0	0	0	0	260
10:00	5	38	101	44	7	1	0	0	0	0	0	0	0	0	196
11:00	20	42	111	63	11	1	0	0	0	0	0	0	0	0	248
12 PM	22	50	151	62	7	1	0	0	0	0	0	0	0	0	293
13:00	17	53	138	82	11	1	0	0	0	0	0	0	0	0	302
14:00	18	60	141	50	11	1	0	0	0	0	0	0	0	0	281
15:00	22	96	177	91	7	0	0	0	0	0	0	0	0	0	393
16:00	36	63	161	114	11	0	0	0	0	1	0	0	0	0	386
17:00	30	82	187	85	12	1	0	0	0	0	0	0	0	0	397
18:00	16	51	124	93	15	2	0	0	0	0	0	0	0	0	301
19:00	10	31	112	78	9	0	0	0	0	0	0	0	0	0	240
20:00	5	36	114	49	5	1	0	0	0	0	0	0	0	0	210
21:00	0	24	61	34	11	1	0	0	0	1	0	0	0	0	132
22:00	2	23	37	24	5	0	0	0	0	0	0	0	0	0	91
23:00	1	1	18	8	1	1	0	0	0	0	0	0	0	0	30
Total	285	824	2193	1299	205	18	2	0	0	2	0	0	0	0	4828

Daily

15th Percentile :	37 MPH
50th Percentile :	42 MPH
85th Percentile :	48 MPH
95th Percentile :	49 MPH
Mean Speed(Average) :	43 MPH
10 MPH Pace Speed :	41-50 MPH
Number in Pace :	3492
Percent in Pace :	72.3%
Number of Vehicles > 45 MPH :	1526
Percent of Vehicles > 45 MPH :	31.6%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	0	2	9	2	2	1	0	0	0	0	0	0	0	0	16
01:00	0	1	8	5	1	0	0	1	0	0	0	0	0	0	16
02:00	1	1	4	0	2	0	0	0	0	0	0	0	0	0	8
03:00	0	0	2	2	1	1	1	0	0	0	0	0	0	0	7
04:00	2	1	9	9	4	0	1	0	0	0	0	0	0	0	26
05:00	0	3	19	41	12	2	1	0	0	0	0	0	0	0	78
06:00	10	17	83	86	21	3	0	0	0	0	0	0	0	0	220
07:00	23	41	155	108	21	0	0	0	0	0	0	0	0	0	348
08:00	17	88	163	63	12	1	0	0	0	0	0	0	0	0	344
09:00	35	76	145	38	9	0	0	0	0	0	0	0	0	0	303
10:00	14	49	153	58	8	0	0	0	0	0	0	0	0	0	282
11:00	13	34	121	68	7	1	0	0	0	0	0	0	0	0	244
12 PM	26	47	126	78	10	0	0	0	0	0	0	0	0	0	287
13:00	6	34	149	74	11	0	0	0	0	0	0	0	0	0	274
14:00	13	54	150	73	6	1	0	0	0	0	0	0	0	0	297
15:00	37	99	155	119	12	0	0	0	0	0	0	0	0	0	422
16:00	25	68	201	98	17	1	0	0	0	0	0	0	0	0	410
17:00	26	69	163	91	20	4	0	0	0	0	0	0	0	0	373
18:00	11	23	141	79	6	3	0	0	0	0	0	0	0	0	263
19:00	19	40	109	71	8	0	0	0	0	0	0	0	0	0	247
20:00	4	25	83	51	5	0	0	0	0	0	0	0	0	0	168
21:00	2	12	63	40	4	0	0	0	0	0	0	0	0	0	121
22:00	0	7	37	27	3	0	1	0	0	0	0	0	0	0	75
23:00	1	4	10	15	6	0	0	1	0	0	0	0	0	0	37
Total	285	795	2258	1296	208	18	4	2	0	0	0	0	0	0	4866

Daily
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 3554
 Percent in Pace : 73.0%
 Number of Vehicles > 45 MPH : 1528
 Percent of Vehicles > 45 MPH : 31.4%

Grand Total	570	1619	4451	2595	413	36	6	2	0	2	0	0	0	0	9694
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Overall
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 49 MPH

 Mean Speed(Average) : 43 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 7046
 Percent in Pace : 72.7%
 Number of Vehicles > 45 MPH : 3054
 Percent of Vehicles > 45 MPH : 31.5%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	1	8	14	6	1	0	0	0	0	0	0	0	0	32
01:00	0	2	9	5	3	0	0	0	0	0	0	0	0	0	19
02:00	0	0	2	6	3	1	0	0	0	0	0	0	0	0	12
03:00	0	2	10	4	5	1	1	0	0	0	0	0	0	0	23
04:00	4	2	9	15	13	6	1	0	0	0	0	0	0	0	50
05:00	2	7	48	75	23	4	0	0	0	0	0	0	0	0	159
06:00	21	55	203	182	28	4	1	0	0	0	0	0	0	0	494
07:00	55	126	293	205	30	4	0	0	0	0	0	0	0	1	714
08:00	48	171	327	129	30	4	2	0	0	0	0	0	0	0	711
09:00	59	122	242	92	9	2	0	0	0	0	0	0	0	0	526
10:00	41	113	221	75	11	2	1	0	0	0	0	0	0	0	464
11:00	34	136	232	97	14	2	0	0	0	0	0	0	0	0	515
12 PM	66	119	266	107	12	2	0	0	0	0	0	0	0	0	572
13:00	35	134	254	112	15	2	0	0	0	0	0	0	0	0	552
14:00	54	160	264	102	19	6	0	0	0	0	0	0	0	0	605
15:00	89	194	343	130	17	1	0	0	0	0	1	0	0	0	775
16:00	78	179	340	171	20	1	1	0	0	1	0	0	1	0	792
17:00	54	157	387	182	38	1	0	0	0	0	0	0	0	0	819
18:00	30	88	258	192	33	4	0	0	0	0	0	1	0	0	606
19:00	23	75	210	129	17	0	0	0	0	0	0	0	0	0	454
20:00	9	61	174	95	17	3	1	0	0	1	0	0	0	0	361
21:00	3	37	120	56	18	5	1	0	0	1	0	0	0	0	241
22:00	4	27	58	40	20	2	0	0	0	0	0	0	0	0	151
23:00	3	3	34	25	3	1	0	0	0	0	0	0	0	0	69
Total	714	1971	4312	2240	404	59	9	0	0	3	1	1	1	1	9716

Daily

15th Percentile :	36 MPH
50th Percentile :	42 MPH
85th Percentile :	47 MPH
95th Percentile :	49 MPH

Mean Speed(Average) :	42 MPH
10 MPH Pace Speed :	41-50 MPH
Number in Pace :	6552
Percent in Pace :	67.4%
Number of Vehicles > 45 MPH :	2719
Percent of Vehicles > 45 MPH :	28.0%

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	0	4	11	10	5	2	1	0	0	0	0	0	0	0	33
01:00	0	1	10	7	3	0	0	1	0	0	0	0	0	0	22
02:00	1	2	7	1	4	1	1	0	0	0	0	0	0	0	17
03:00	0	0	2	11	4	2	1	0	0	0	0	0	0	0	20
04:00	3	4	17	15	14	1	2	0	0	0	0	0	0	0	56
05:00	0	8	40	74	19	5	1	0	0	0	0	0	0	0	147
06:00	21	44	184	168	40	5	0	0	0	0	0	0	0	0	462
07:00	79	118	302	206	32	2	1	0	0	0	0	0	0	0	740
08:00	50	214	307	123	19	1	1	0	0	0	0	0	0	0	715
09:00	100	212	238	55	9	0	0	0	0	0	0	0	0	0	614
10:00	55	146	256	85	11	0	0	0	0	0	0	0	0	0	553
11:00	37	127	232	118	10	1	0	0	0	0	0	0	0	0	525
12 PM	46	88	252	153	24	2	0	0	0	0	0	0	0	0	565
13:00	18	99	266	162	22	2	0	0	0	0	0	0	0	0	569
14:00	27	105	286	176	21	7	0	0	0	0	0	0	0	0	622
15:00	64	134	348	234	36	1	0	1	0	0	0	0	0	0	818
16:00	51	131	374	205	33	3	1	0	0	0	0	0	0	0	798
17:00	51	118	376	204	45	4	1	0	0	0	0	0	0	1	800
18:00	21	47	240	195	27	6	0	0	0	0	0	0	0	0	536
19:00	29	62	205	126	18	0	0	0	0	0	0	0	0	0	440
20:00	6	44	148	103	17	3	0	0	0	0	0	0	0	0	321
21:00	3	27	96	63	12	1	0	0	0	0	0	0	0	0	202
22:00	0	17	52	42	11	0	2	0	0	0	0	0	0	0	124
23:00	1	6	17	23	8	0	1	2	0	0	0	0	0	0	58
Total	663	1758	4266	2559	444	49	13	4	0	0	0	0	0	1	9757

Daily
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 6825
 Percent in Pace : 69.9%
 Number of Vehicles > 45 MPH : 3070
 Percent of Vehicles > 45 MPH : 31.5%

Grand Total	1377	3729	8578	4799	848	108	22	4	0	3	1	1	1	2	19473
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Overall
 15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

 Mean Speed(Average) : 42 MPH
 10 MPH Pace Speed : 41-50 MPH
 Number in Pace : 13377
 Percent in Pace : 68.7%
 Number of Vehicles > 45 MPH : 5789
 Percent of Vehicles > 45 MPH : 29.7%

Old Colony Planning Council
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Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	7	5	2	0	1	0	0	0	0	0	0	0	16	3
01:00	0	1	3	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	3	3	0	2	0	0	0	0	0	0	0	0	8	2
03:00	0	8	0	0	2	0	0	0	0	0	0	0	0	10	2
04:00	0	20	6	0	3	0	0	0	0	0	0	0	0	29	3
05:00	0	32	23	0	18	0	0	2	0	0	0	0	0	75	20
06:00	7	98	89	4	48	1	0	8	0	0	0	0	0	255	61
07:00	6	177	111	7	52	3	0	3	2	0	0	0	0	361	67
08:00	5	197	123	3	53	4	0	3	0	0	0	0	0	388	63
09:00	1	125	88	3	42	2	0	3	2	0	0	0	0	266	52
10:00	4	141	91	4	26	1	0	1	0	0	0	0	0	268	32
11:00	4	129	96	8	22	1	0	3	4	0	0	0	0	267	38
12 PM	3	134	91	3	44	2	0	2	0	0	0	0	0	279	51
13:00	1	128	79	1	37	0	0	4	0	0	0	0	0	250	42
14:00	5	139	110	6	56	1	0	5	2	0	0	0	0	324	70
15:00	7	183	124	5	57	1	0	5	0	0	0	0	0	382	68
16:00	3	193	132	2	67	4	0	3	2	0	0	0	0	406	78
17:00	4	244	129	0	41	2	0	2	0	0	0	0	0	422	45
18:00	1	151	116	0	35	0	0	2	0	0	0	0	0	305	37
19:00	3	107	80	0	22	1	0	1	0	0	0	0	0	214	24
20:00	2	88	50	0	9	2	0	0	0	0	0	0	0	151	11
21:00	1	50	46	0	12	0	0	0	0	0	0	0	0	109	12
22:00	0	35	15	0	9	0	0	0	1	0	0	0	0	60	10
23:00	0	21	10	0	7	0	0	0	1	0	0	0	0	39	8
Total	58	2411	1620	48	664	26	0	47	14	0	0	0	0	4888	799
Percent	1.2%	49.3%	33.1%	1.0%	13.6%	0.5%	0.0%	1.0%	0.3%	0.0%	0.0%	0.0%	0.0%		16.3%
AM Peak	06:00	08:00	08:00	11:00	08:00	08:00		06:00	11:00					08:00	07:00
Vol.	7	197	123	8	53	4		8	4					388	67
PM Peak	15:00	17:00	16:00	14:00	16:00	16:00		14:00	14:00					17:00	16:00
Vol.	7	244	132	6	67	4		5	2					422	78

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	14	2	0	0	0	0	0	1	0	0	0	0	17	1
01:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	5	3	0	1	0	0	0	0	0	0	0	0	9	1
03:00	0	8	3	0	2	0	0	0	0	0	0	0	0	13	2
04:00	0	17	6	1	6	0	0	0	0	0	0	0	0	30	7
05:00	1	33	17	1	15	0	0	2	0	0	0	0	0	69	18
06:00	4	95	87	6	46	0	0	4	0	0	0	0	0	242	56
07:00	5	203	117	5	53	2	0	7	0	0	0	0	0	392	67
08:00	0	179	124	5	52	2	0	7	2	0	0	0	0	371	68
09:00	0	156	106	5	40	1	0	3	0	0	0	0	0	311	49
10:00	2	118	92	4	51	1	0	2	1	0	0	0	0	271	59
11:00	0	123	86	10	56	0	0	4	2	0	0	0	0	281	72
12 PM	2	126	89	4	52	0	0	2	3	0	0	0	0	278	61
13:00	4	151	94	3	38	3	0	1	1	0	0	0	0	295	46
14:00	2	155	106	4	53	1	0	2	2	0	0	0	0	325	62
15:00	6	184	137	2	63	1	0	2	1	0	0	0	0	396	69
16:00	6	187	142	4	46	2	0	1	0	0	0	0	0	388	53
17:00	3	222	147	0	50	2	0	2	1	0	0	0	0	427	55
18:00	0	143	101	0	27	0	0	2	0	0	0	0	0	273	29
19:00	2	73	89	0	29	0	0	0	0	0	0	0	0	193	29
20:00	0	71	64	0	18	0	0	0	0	0	0	0	0	153	18
21:00	0	49	26	0	6	0	0	0	0	0	0	0	0	81	6
22:00	0	33	14	0	2	0	0	0	0	0	0	0	0	49	2
23:00	0	10	8	0	3	0	0	0	0	0	0	0	0	21	3
Total	37	2358	1663	54	709	15	0	41	14	0	0	0	0	4891	833
Percent	0.8%	48.2%	34.0%	1.1%	14.5%	0.3%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%		17.0%
AM Peak	07:00	07:00	08:00	11:00	11:00	07:00		07:00	08:00					07:00	11:00
Vol.	5	203	124	10	56	2		7	2					392	72
PM Peak	15:00	17:00	17:00	12:00	15:00	13:00		12:00	12:00					17:00	15:00
Vol.	6	222	147	4	63	3		2	3					427	69
Grand Total	95	4769	3283	102	1373	41	0	88	28	0	0	0	0	9779	1632
Percent	1.0%	48.8%	33.6%	1.0%	14.0%	0.4%	0.0%	0.9%	0.3%	0.0%	0.0%	0.0%	0.0%		16.7%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	14	1	0	1	0	0	0	0	0	0	0	0	16	1
01:00	0	11	3	0	1	0	0	0	0	0	0	0	0	15	1
02:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
03:00	1	4	2	1	3	2	0	0	0	0	0	0	0	13	6
04:00	0	11	5	0	5	0	0	0	0	0	0	0	0	21	5
05:00	0	45	23	0	16	0	0	0	0	0	0	0	0	84	16
06:00	1	147	53	1	37	0	0	0	0	0	0	0	0	239	38
07:00	3	220	78	5	38	0	0	5	3	1	0	0	0	353	52
08:00	1	203	78	3	33	1	0	2	1	0	1	0	0	323	41
09:00	3	168	49	5	25	3	0	4	3	0	0	0	0	260	40
10:00	1	113	52	2	25	0	0	3	0	0	0	0	0	196	30
11:00	3	161	48	6	27	0	0	2	1	0	0	0	0	248	36
12 PM	2	188	64	3	28	3	1	2	2	0	0	0	0	293	39
13:00	5	187	64	2	37	0	0	5	2	0	0	0	0	302	46
14:00	2	176	67	8	23	0	0	3	2	0	0	0	0	281	36
15:00	6	241	87	4	48	2	0	3	2	0	0	0	0	393	59
16:00	8	242	88	4	35	1	0	6	2	0	0	0	0	386	48
17:00	3	267	90	3	31	0	0	3	0	0	0	0	0	397	37
18:00	11	216	59	1	14	0	0	0	0	0	0	0	0	301	15
19:00	0	171	49	0	19	0	0	1	0	0	0	0	0	240	20
20:00	3	154	37	0	15	0	0	0	1	0	0	0	0	210	16
21:00	1	103	20	0	7	0	0	0	1	0	0	0	0	132	8
22:00	0	74	13	0	4	0	0	0	0	0	0	0	0	91	4
23:00	0	25	2	0	3	0	0	0	0	0	0	0	0	30	3
Total	54	3143	1033	48	476	12	1	39	20	1	1	0	0	4828	598
Percent	1.1%	65.1%	21.4%	1.0%	9.9%	0.2%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%		12.4%
AM Peak Vol.	07:00	07:00	07:00	11:00	07:00	09:00		07:00	07:00	07:00	08:00			07:00	07:00
PM Peak Vol.	18:00	17:00	17:00	14:00	15:00	12:00	12:00	16:00	12:00					17:00	15:00
	3	220	78	6	38	3		5	3	1	1			353	52
	11	267	90	8	48	3	1	6	2					397	59

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	12	4	0	0	0	0	0	0	0	0	0	0	16	0
01:00	0	14	0	0	2	0	0	0	0	0	0	0	0	16	2
02:00	0	6	0	0	2	0	0	0	0	0	0	0	0	8	2
03:00	0	3	1	0	3	0	0	0	0	0	0	0	0	7	3
04:00	0	12	7	0	7	0	0	0	0	0	0	0	0	26	7
05:00	0	43	19	0	15	0	0	1	0	0	0	0	0	78	16
06:00	1	142	41	0	36	0	0	0	0	0	0	0	0	220	36
07:00	2	223	82	4	33	0	0	2	2	0	0	0	0	348	41
08:00	1	202	81	4	47	2	0	4	2	0	1	0	0	344	60
09:00	2	170	63	6	52	0	0	9	1	0	0	0	0	303	68
10:00	1	161	57	8	50	2	0	3	0	0	0	0	0	282	63
11:00	1	150	51	4	32	2	0	3	1	0	0	0	0	244	42
12 PM	2	168	67	3	45	2	0	0	0	0	0	0	0	287	50
13:00	2	182	52	3	33	0	0	1	1	0	0	0	0	274	38
14:00	3	172	74	8	38	1	0	0	1	0	0	0	0	297	48
15:00	4	271	93	3	48	1	0	2	0	0	0	0	0	422	54
16:00	8	263	92	1	40	3	0	2	1	0	0	0	0	410	47
17:00	6	258	66	1	40	1	0	0	1	0	0	0	0	373	43
18:00	2	185	50	0	24	0	0	2	0	0	0	0	0	263	26
19:00	0	165	59	0	23	0	0	0	0	0	0	0	0	247	23
20:00	0	125	32	0	11	0	0	0	0	0	0	0	0	168	11
21:00	0	93	21	0	7	0	0	0	0	0	0	0	0	121	7
22:00	0	60	8	0	7	0	0	0	0	0	0	0	0	75	7
23:00	0	26	5	0	6	0	0	0	0	0	0	0	0	37	6
Total	35	3106	1025	45	601	14	0	29	10	0	1	0	0	4866	700
Percent	0.7%	63.8%	21.1%	0.9%	12.4%	0.3%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		14.4%
AM Peak	07:00	07:00	07:00	10:00	09:00	08:00		09:00	07:00		08:00			07:00	09:00
Vol.	2	223	82	8	52	2		9	2		1			348	68
PM Peak	16:00	15:00	15:00	14:00	15:00	16:00		15:00	13:00					15:00	15:00
Vol.	8	271	93	8	48	3		2	1					422	54
Grand Total	89	6249	2058	93	1077	26	1	68	30	1	2	0	0	9694	1298
Percent	0.9%	64.5%	21.2%	1.0%	11.1%	0.3%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%		13.4%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	21	6	2	1	1	0	0	0	0	0	0	0	32	4
01:00	0	12	6	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	5	4	0	3	0	0	0	0	0	0	0	0	12	3
03:00	1	12	2	1	5	2	0	0	0	0	0	0	0	23	8
04:00	0	31	11	0	8	0	0	0	0	0	0	0	0	50	8
05:00	0	77	46	0	34	0	0	2	0	0	0	0	0	159	36
06:00	8	245	142	5	85	1	0	8	0	0	0	0	0	494	99
07:00	9	397	189	12	90	3	0	8	5	1	0	0	0	714	119
08:00	6	400	201	6	86	5	0	5	1	0	1	0	0	711	104
09:00	4	293	137	8	67	5	0	7	5	0	0	0	0	526	92
10:00	5	254	143	6	51	1	0	4	0	0	0	0	0	464	62
11:00	7	290	144	14	49	1	0	5	5	0	0	0	0	515	74
12 PM	5	322	155	6	72	5	1	4	2	0	0	0	0	572	90
13:00	6	315	143	3	74	0	0	9	2	0	0	0	0	552	88
14:00	7	315	177	14	79	1	0	8	4	0	0	0	0	605	106
15:00	13	424	211	9	105	3	0	8	2	0	0	0	0	775	127
16:00	11	435	220	6	102	5	0	9	4	0	0	0	0	792	126
17:00	7	511	219	3	72	2	0	5	0	0	0	0	0	819	82
18:00	12	367	175	1	49	0	0	2	0	0	0	0	0	606	52
19:00	3	278	129	0	41	1	0	2	0	0	0	0	0	454	44
20:00	5	242	87	0	24	2	0	0	1	0	0	0	0	361	27
21:00	2	153	66	0	19	0	0	0	1	0	0	0	0	241	20
22:00	0	109	28	0	13	0	0	0	1	0	0	0	0	151	14
23:00	0	46	12	0	10	0	0	0	1	0	0	0	0	69	11
Total	112	5554	2653	96	1140	38	1	86	34	1	1	0	0	9716	1397
Percent	1.2%	57.2%	27.3%	1.0%	11.7%	0.4%	0.0%	0.9%	0.3%	0.0%	0.0%	0.0%	0.0%		14.4%
AM Peak Vol.	07:00	08:00	08:00	11:00	07:00	08:00		06:00	07:00	07:00	08:00			07:00	07:00
PM Peak Vol.	15:00	17:00	16:00	14:00	15:00	12:00	12:00	13:00	14:00					17:00	15:00
	9	400	201	14	90	5		8	5	1	1			714	119
	13	511	220	14	105	5	1	9	4					819	127

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Plain St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	26	6	0	0	0	0	0	1	0	0	0	0	33	1
01:00	0	17	3	0	2	0	0	0	0	0	0	0	0	22	2
02:00	0	11	3	0	3	0	0	0	0	0	0	0	0	17	3
03:00	0	11	4	0	5	0	0	0	0	0	0	0	0	20	5
04:00	0	29	13	1	13	0	0	0	0	0	0	0	0	56	14
05:00	1	76	36	1	30	0	0	3	0	0	0	0	0	147	34
06:00	5	237	128	6	82	0	0	4	0	0	0	0	0	462	92
07:00	7	426	199	9	86	2	0	9	2	0	0	0	0	740	108
08:00	1	381	205	9	99	4	0	11	4	0	1	0	0	715	128
09:00	2	326	169	11	92	1	0	12	1	0	0	0	0	614	117
10:00	3	279	149	12	101	3	0	5	1	0	0	0	0	553	122
11:00	1	273	137	14	88	2	0	7	3	0	0	0	0	525	114
12 PM	4	294	156	7	97	2	0	2	3	0	0	0	0	565	111
13:00	6	333	146	6	71	3	0	2	2	0	0	0	0	569	84
14:00	5	327	180	12	91	2	0	2	3	0	0	0	0	622	110
15:00	10	455	230	5	111	2	0	4	1	0	0	0	0	818	123
16:00	14	450	234	5	86	5	0	3	1	0	0	0	0	798	100
17:00	9	480	213	1	90	3	0	2	2	0	0	0	0	800	98
18:00	2	328	151	0	51	0	0	4	0	0	0	0	0	536	55
19:00	2	238	148	0	52	0	0	0	0	0	0	0	0	440	52
20:00	0	196	96	0	29	0	0	0	0	0	0	0	0	321	29
21:00	0	142	47	0	13	0	0	0	0	0	0	0	0	202	13
22:00	0	93	22	0	9	0	0	0	0	0	0	0	0	124	9
23:00	0	36	13	0	9	0	0	0	0	0	0	0	0	58	9
Total	72	5464	2688	99	1310	29	0	70	24	0	1	0	0	9757	1533
Percent	0.7%	56.0%	27.5%	1.0%	13.4%	0.3%	0.0%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		15.7%
AM Peak Vol.	7	426	205	14	101	4		12	4		1			740	128
PM Peak Vol.	14	480	234	12	111	5		4	3					818	123
Grand Total	184	11018	5341	195	2450	67	1	156	58	1	2	0	0	19473	2930
Percent	0.9%	56.6%	27.4%	1.0%	12.6%	0.3%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%		15.0%

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

Start Time	09-Sep-19		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	*	*	*	*	15	16	18	16	*	*	*	*	*	*	16	16
01:00	*	*	*	*	4	15	6	16	*	*	*	*	*	*	5	16
02:00	*	*	*	*	8	4	9	7	*	*	*	*	*	*	8	6
03:00	*	*	*	*	10	12	13	7	*	*	*	*	*	*	12	10
04:00	*	*	*	*	28	18	29	25	*	*	*	*	*	*	28	22
05:00	*	*	*	*	76	81	68	77	*	*	*	*	*	*	72	79
06:00	*	*	*	*	252	237	246	219	*	*	*	*	*	*	249	228
07:00	*	*	*	*	367	347	391	345	*	*	*	*	*	*	379	346
08:00	*	*	*	*	378	324	371	333	*	*	*	*	*	*	374	328
09:00	*	*	*	*	275	253	306	302	*	*	*	*	*	*	290	278
10:00	*	*	*	*	276	195	286	279	*	*	*	*	*	*	281	237
11:00	*	*	*	*	268	252	272	243	*	*	*	*	*	*	270	248
12:00 PM	*	*	*	*	281	296	279	281	*	*	*	*	*	*	280	288
01:00	*	*	*	*	244	300	293	269	*	*	*	*	*	*	268	284
02:00	*	*	*	*	327	281	320	288	*	*	*	*	*	*	324	284
03:00	*	*	*	*	379	390	410	417	*	*	*	*	*	*	394	404
04:00	*	*	*	*	417	379	390	412	*	*	*	*	*	*	404	396
05:00	*	*	*	*	410	402	432	367	*	*	*	*	*	*	421	384
06:00	*	*	*	*	316	288	278	257	*	*	*	*	*	*	297	272
07:00	*	*	*	*	212	246	191	255	*	*	*	*	*	*	202	250
08:00	*	*	*	*	151	209	156	169	*	*	*	*	*	*	154	189
09:00	*	*	*	*	101	131	84	122	*	*	*	*	*	*	92	126
10:00	*	*	*	*	60	93	46	76	*	*	*	*	*	*	53	84
11:00	*	*	*	*	39	29	23	35	*	*	*	*	*	*	31	32
Lane	0	0	0	0	4894	4798	4917	4817	0	0	0	0	0	0	4904	4807
Day	0	0	0	0	9692	9734	9734	9734	0	0	0	0	0	0	9711	9711
AM Peak	-	-	-	-	08:00	07:00	07:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	378	347	391	345	-	-	-	-	-	-	379	346
PM Peak	-	-	-	-	16:00	17:00	17:00	15:00	-	-	-	-	-	-	17:00	15:00
Vol.	-	-	-	-	417	402	432	417	-	-	-	-	-	-	421	404

Comb. Total 0 0 9692 9734 0 0 0 9711

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

Start Time	11-Sep-19		EB		WB		Combined		12-Sep		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			6	74	6	81	12	155		7	68	4	67	11	135	
12:15			8	68	5	74	13	142		3	71	7	73	10	144	
12:30			1	73	3	76	4	149		6	70	2	73	8	143	
12:45			0	66	2	65	2	131		2	70	3	68	5	138	
01:00			0	61	2	75	2	136		0	83	5	63	5	146	
01:15			0	53	7	75	7	128		2	72	3	75	5	147	
01:30			4	75	4	72	8	147		2	69	3	66	5	135	
01:45			0	55	2	78	2	133		2	69	5	65	7	134	
02:00			0	76	0	69	0	145		1	76	2	82	3	158	
02:15			2	70	3	85	5	155		5	72	0	72	5	144	
02:30			5	81	1	60	6	141		2	91	3	68	5	159	
02:45			1	100	0	67	1	167		1	81	2	66	3	147	
03:00			0	103	2	100	2	203		1	109	0	104	1	213	
03:15			2	89	2	109	4	198		1	98	0	104	1	202	
03:30			2	84	3	85	5	169		5	111	4	103	9	214	
03:45			6	103	5	96	11	199		6	92	3	106	9	198	
04:00			4	103	3	86	7	189		3	95	1	105	4	200	
04:15			5	117	3	107	8	224		6	98	5	106	11	204	
04:30			6	100	4	88	10	188		9	96	8	111	17	207	
04:45			13	97	8	98	21	195		11	101	11	90	22	191	
05:00			8	97	10	120	18	217		9	110	9	97	18	207	
05:15			17	102	10	116	27	218		19	118	16	92	35	210	
05:30			26	97	27	83	53	180		22	90	20	99	42	189	
05:45			25	114	34	83	59	197		18	114	32	79	50	193	
06:00			32	95	38	77	70	172		37	76	47	78	84	154	
06:15			61	78	57	69	118	147		47	81	57	66	104	147	
06:30			76	80	68	77	144	157		77	58	60	51	137	109	
06:45			83	63	74	65	157	128		85	63	55	62	140	125	
07:00			75	71	72	70	147	141		86	67	79	69	165	136	
07:15			68	61	105	67	173	128		78	52	95	85	173	137	
07:30			117	41	94	63	211	104		107	39	82	59	189	98	
07:45			107	39	76	46	183	85		120	33	89	42	209	75	
08:00			108	41	84	57	192	98		97	44	94	47	191	91	
08:15			106	43	78	60	184	103		83	40	80	40	163	80	
08:30			83	34	91	52	174	86		95	39	69	37	164	76	
08:45			81	33	71	40	152	73		96	33	90	45	186	78	
09:00			70	22	66	45	136	67		92	24	73	46	165	70	
09:15			60	37	63	35	123	72		76	27	93	34	169	61	
09:30			82	26	73	21	155	47		70	19	63	21	133	40	
09:45			63	16	51	30	114	46		68	14	73	21	141	35	
10:00			60	20	40	35	100	55		72	15	58	30	130	45	
10:15			66	21	41	26	107	47		64	14	72	25	136	39	
10:30			72	10	55	19	127	29		95	6	72	10	167	16	
10:45			78	9	59	13	137	22		55	11	77	11	132	22	
11:00			67	13	55	9	122	22		56	4	61	8	117	12	
11:15			70	11	61	7	131	18		75	8	66	9	141	17	
11:30			67	7	72	7	139	14		72	7	57	7	129	14	
11:45			64	8	64	6	128	14		69	4	59	11	128	15	
Total			1957	2937	1754	3044	3711	5981		2015	2902	1869	2948	3884	5850	
Day Total			4894		4798		9692			4917		4817		9734		
% Total			20.2%	30.3%	18.1%	31.4%				20.7%	29.8%	19.2%	30.3%			
Peak	-		07:30	03:45	07:15	04:30	07:30	04:15	-	07:30	05:00	07:15	03:45	07:15	03:00	
Vol.	-		438	423	359	422	770	824	-	407	432	360	428	762	827	
P.H.F.			0.936	0.904	0.855	0.879	0.912	0.920		0.848	0.915	0.947	0.964	0.911	0.966	

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	31	34	*	*	*	32
01:00	*	*	19	22	*	*	*	20
02:00	*	*	12	16	*	*	*	14
03:00	*	*	22	20	*	*	*	21
04:00	*	*	46	54	*	*	*	50
05:00	*	*	157	145	*	*	*	151
06:00	*	*	489	465	*	*	*	477
07:00	*	*	714	736	*	*	*	725
08:00	*	*	702	704	*	*	*	703
09:00	*	*	528	608	*	*	*	568
10:00	*	*	471	565	*	*	*	518
11:00	*	*	520	515	*	*	*	518
12:00 PM	*	*	577	560	*	*	*	568
01:00	*	*	544	562	*	*	*	553
02:00	*	*	608	608	*	*	*	608
03:00	*	*	769	827	*	*	*	798
04:00	*	*	796	802	*	*	*	799
05:00	*	*	812	799	*	*	*	806
06:00	*	*	604	535	*	*	*	570
07:00	*	*	458	446	*	*	*	452
08:00	*	*	360	325	*	*	*	342
09:00	*	*	232	206	*	*	*	219
10:00	*	*	153	122	*	*	*	138
11:00	*	*	68	58	*	*	*	63
Total	0	0	9692	9734	0	0	0	
Percentage	0.0%	0.0%	99.8%	100.2%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	714	736	-	-	-	-
PM Peak	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	812	827	-	-	-	-

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	3	3	7	2	0	0	0	0	0	0	0	0	0	0	15
01:00	1	1	1	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	1	3	3	1	0	0	0	0	0	0	0	0	0	8
03:00	0	1	2	7	0	0	0	0	0	0	0	0	0	0	10
04:00	0	4	8	8	6	1	0	1	0	0	0	0	0	0	28
05:00	2	20	27	19	7	1	0	0	0	0	0	0	0	0	76
06:00	11	54	123	57	6	1	0	0	0	0	0	0	0	0	252
07:00	38	119	153	44	9	4	0	0	0	0	0	0	0	0	367
08:00	26	123	178	44	7	0	0	0	0	0	0	0	0	0	378
09:00	28	91	128	27	0	1	0	0	0	0	0	0	0	0	275
10:00	18	105	122	29	1	1	0	0	0	0	0	0	0	0	276
11:00	20	111	102	29	5	1	0	0	0	0	0	0	0	0	268
12 PM	26	97	133	21	4	0	0	0	0	0	0	0	0	0	281
13:00	24	102	97	20	1	0	0	0	0	0	0	0	0	0	244
14:00	25	102	152	42	6	0	0	0	0	0	0	0	0	0	327
15:00	57	138	141	38	4	0	0	0	0	0	0	0	0	1	379
16:00	46	147	178	37	7	2	0	0	0	0	0	0	0	0	417
17:00	26	119	184	72	8	0	0	0	0	0	0	1	0	0	410
18:00	30	69	156	50	9	0	0	0	0	0	1	1	0	0	316
19:00	15	74	100	21	1	1	0	0	0	0	0	0	0	0	212
20:00	12	45	64	25	3	0	1	0	0	1	0	0	0	0	151
21:00	11	27	51	7	3	2	0	0	0	0	0	0	0	0	101
22:00	5	8	31	10	6	0	0	0	0	0	0	0	0	0	60
23:00	4	10	18	7	0	0	0	0	0	0	0	0	0	0	39
Total	428	1571	2159	620	94	15	1	1	0	1	1	2	0	1	4894

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 :	36-45 MPH
Number in Pace :	3730
Percent in Pace :	76.2%
Number of Vehicles > 45 MPH :	736
Percent of Vehicles > 45 MPH :	15.0%

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 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	3	7	3	2	2	0	0	0	0	0	0	0	0	18
01:00	0	2	1	2	1	0	0	0	0	0	0	0	0	0	6
02:00	0	1	3	4	0	1	0	0	0	0	0	0	0	0	9
03:00	0	1	7	4	0	1	0	0	0	0	0	0	0	0	13
04:00	0	7	10	9	2	0	1	0	0	0	0	0	0	0	29
05:00	1	12	26	21	7	1	0	0	0	0	0	0	0	0	68
06:00	16	50	115	59	4	1	1	0	0	0	0	0	0	0	246
07:00	34	125	159	64	7	1	0	0	0	1	0	0	0	0	391
08:00	111	133	109	15	2	0	0	0	0	0	0	1	0	0	371
09:00	74	146	73	9	4	0	0	0	0	0	0	0	0	0	306
10:00	50	127	94	13	2	0	0	0	0	0	0	0	0	0	286
11:00	23	107	123	19	0	0	0	0	0	0	0	0	0	0	272
12 PM	17	70	144	43	5	0	0	0	0	0	0	0	0	0	279
13:00	18	93	137	41	4	0	0	0	0	0	0	0	0	0	293
14:00	23	85	137	61	11	2	1	0	0	0	0	0	0	0	320
15:00	32	74	198	93	12	1	0	0	0	0	0	0	0	0	410
16:00	28	88	199	64	10	1	0	0	0	0	0	0	0	0	390
17:00	23	92	218	93	5	1	0	0	0	0	0	0	0	0	432
18:00	22	44	127	72	12	0	0	1	0	0	0	0	0	0	278
19:00	12	61	88	28	2	0	0	0	0	0	0	0	0	0	191
20:00	8	45	68	29	4	2	0	0	0	0	0	0	0	0	156
21:00	4	18	44	15	2	1	0	0	0	0	0	0	0	0	84
22:00	3	10	19	11	1	2	0	0	0	0	0	0	0	0	46
23:00	2	9	6	3	1	0	2	0	0	0	0	0	0	0	23
Total	502	1403	2112	775	100	17	5	1	0	1	0	1	0	0	4917

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 : 36-45 MPH
 Number in Pace : 3515
 Percent in Pace : 71.5%
 Number of Vehicles > 45 MPH : 900
 Percent of Vehicles > 45 MPH : 18.3%

Grand Total	930	2974	4271	1395	194	32	6	2	0	2	1	3	0	1	9811
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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 : 36-45 MPH
 Number in Pace : 7245
 Percent in Pace : 73.8%
 Number of Vehicles > 45 MPH : 1636
 Percent of Vehicles > 45 MPH : 16.7%

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 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	0	6	7	3	0	0	0	0	0	0	0	0	0	0	16
01:00	1	7	6	0	1	0	0	0	0	0	0	0	0	0	15
02:00	0	0	3	1	0	0	0	0	0	0	0	0	0	0	4
03:00	0	5	4	2	0	0	1	0	0	0	0	0	0	0	12
04:00	1	1	9	6	1	0	0	0	0	0	0	0	0	0	18
05:00	2	9	46	21	3	0	0	0	0	0	0	0	0	0	81
06:00	4	77	126	25	5	0	0	0	0	0	0	0	0	0	237
07:00	26	100	169	46	6	0	0	0	0	0	0	0	0	0	347
08:00	28	117	152	27	0	0	0	0	0	0	0	0	0	0	324
09:00	23	96	107	26	1	0	0	0	0	0	0	0	0	0	253
10:00	16	64	95	18	2	0	0	0	0	0	0	0	0	0	195
11:00	23	88	121	18	2	0	0	0	0	0	0	0	0	0	252
12 PM	35	111	126	20	3	0	0	0	0	0	0	0	0	1	296
13:00	28	125	123	23	1	0	0	0	0	0	0	0	0	0	300
14:00	37	99	118	26	1	0	0	0	0	0	0	0	0	0	281
15:00	46	159	162	23	0	0	0	0	0	0	0	0	0	0	390
16:00	47	147	154	25	5	1	0	0	0	0	0	0	0	0	379
17:00	39	170	154	38	1	0	0	0	0	0	0	0	0	0	402
18:00	15	117	131	22	2	1	0	0	0	0	0	0	0	0	288
19:00	13	109	104	18	2	0	0	0	0	0	0	0	0	0	246
20:00	10	103	77	16	3	0	0	0	0	0	0	0	0	0	209
21:00	13	52	53	11	1	0	0	0	1	0	0	0	0	0	131
22:00	13	35	41	4	0	0	0	0	0	0	0	0	0	0	93
23:00	2	10	9	7	1	0	0	0	0	0	0	0	0	0	29
Total	422	1807	2097	426	41	2	1	0	1	0	0	0	0	1	4798

Daily

15th Percentile :	35 MPH
50th Percentile :	40 MPH
85th Percentile :	44 MPH
95th Percentile :	47 MPH
Mean Speed(Average) :	39 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	3904
Percent in Pace :	81.4%
Number of Vehicles > 45 MPH :	472
Percent of Vehicles > 45 MPH :	9.8%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	0	9	5	2	0	0	0	0	0	0	0	0	0	0	16
01:00	2	3	7	3	0	0	1	0	0	0	0	0	0	0	16
02:00	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7
03:00	0	1	2	2	1	0	1	0	0	0	0	0	0	0	7
04:00	2	6	13	3	1	0	0	0	0	0	0	0	0	0	25
05:00	0	15	41	19	2	0	0	0	0	0	0	0	0	0	77
06:00	6	64	112	34	2	1	0	0	0	0	0	0	0	0	219
07:00	29	105	167	40	4	0	0	0	0	0	0	0	0	0	345
08:00	49	136	125	19	3	0	0	0	0	0	0	0	0	1	333
09:00	45	141	103	13	0	0	0	0	0	0	0	0	0	0	302
10:00	21	110	132	15	1	0	0	0	0	0	0	0	0	0	279
11:00	21	93	114	14	1	0	0	0	0	0	0	0	0	0	243
12 PM	23	103	128	24	3	0	0	0	0	0	0	0	0	0	281
13:00	15	93	139	22	0	0	0	0	0	0	0	0	0	0	269
14:00	24	111	131	21	1	0	0	0	0	0	0	0	0	0	288
15:00	41	157	180	37	1	0	0	0	0	0	0	0	0	1	417
16:00	41	153	187	29	2	0	0	0	0	0	0	0	0	0	412
17:00	29	124	165	42	4	1	0	0	0	0	0	0	0	2	367
18:00	24	89	120	20	4	0	0	0	0	0	0	0	0	0	257
19:00	22	102	113	17	1	0	0	0	0	0	0	0	0	0	255
20:00	14	77	65	12	1	0	0	0	0	0	0	0	0	0	169
21:00	12	39	56	15	0	0	0	0	0	0	0	0	0	0	122
22:00	3	31	34	7	1	0	0	0	0	0	0	0	0	0	76
23:00	2	7	18	6	1	1	0	0	0	0	0	0	0	0	35
Total	426	1771	2160	417	34	3	2	0	0	0	0	0	0	4	4817

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

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3931
 Percent in Pace : 81.6%
 Number of Vehicles > 45 MPH : 460
 Percent of Vehicles > 45 MPH : 9.5%

Grand Total	848	3578	4257	843	75	5	3	0	1	0	0	0	0	5	9615
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7835
 Percent in Pace : 81.5%
 Number of Vehicles > 45 MPH : 932
 Percent of Vehicles > 45 MPH : 9.7%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	3	9	14	5	0	0	0	0	0	0	0	0	0	0	31
01:00	2	8	7	1	1	0	0	0	0	0	0	0	0	0	19
02:00	0	1	6	4	1	0	0	0	0	0	0	0	0	0	12
03:00	0	6	6	9	0	0	1	0	0	0	0	0	0	0	22
04:00	1	5	17	14	7	1	0	1	0	0	0	0	0	0	46
05:00	4	29	73	40	10	1	0	0	0	0	0	0	0	0	157
06:00	15	131	249	82	11	1	0	0	0	0	0	0	0	0	489
07:00	64	219	322	90	15	4	0	0	0	0	0	0	0	0	714
08:00	54	240	330	71	7	0	0	0	0	0	0	0	0	0	702
09:00	51	187	235	53	1	1	0	0	0	0	0	0	0	0	528
10:00	34	169	217	47	3	1	0	0	0	0	0	0	0	0	471
11:00	43	199	223	47	7	1	0	0	0	0	0	0	0	0	520
12 PM	61	208	259	41	7	0	0	0	0	0	0	0	0	0	577
13:00	52	227	220	43	2	0	0	0	0	0	0	0	0	0	544
14:00	62	201	270	68	7	0	0	0	0	0	0	0	0	0	608
15:00	103	297	303	61	4	0	0	0	0	0	0	0	0	0	769
16:00	93	294	332	62	12	3	0	0	0	0	0	0	0	0	796
17:00	65	289	338	110	9	0	0	0	0	0	0	1	0	0	812
18:00	45	186	287	72	11	1	0	0	0	0	1	1	0	0	604
19:00	28	183	204	39	3	1	0	0	0	0	0	0	0	0	458
20:00	22	148	141	41	6	0	1	0	0	1	0	0	0	0	360
21:00	24	79	104	18	4	2	0	0	1	0	0	0	0	0	232
22:00	18	43	72	14	6	0	0	0	0	0	0	0	0	0	153
23:00	6	20	27	14	1	0	0	0	0	0	0	0	0	0	68
Total	850	3378	4256	1046	135	17	2	1	1	1	1	2	0	2	9692

Daily

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

Mean Speed(Average) :	40 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	7634
Percent in Pace :	78.8%
Number of Vehicles > 45 MPH :	1208
Percent of Vehicles > 45 MPH :	12.5%

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Station ID:
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 Date Start: 11-Sep-19
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 Hanover St (139), west of Grove St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	12	12	5	2	2	0	0	0	0	0	0	0	0	34
01:00	2	5	8	5	1	0	1	0	0	0	0	0	0	0	22
02:00	1	3	6	5	0	1	0	0	0	0	0	0	0	0	16
03:00	0	2	9	6	1	1	1	0	0	0	0	0	0	0	20
04:00	2	13	23	12	3	0	1	0	0	0	0	0	0	0	54
05:00	1	27	67	40	9	1	0	0	0	0	0	0	0	0	145
06:00	22	114	227	93	6	2	1	0	0	0	0	0	0	0	465
07:00	63	230	326	104	11	1	0	0	0	1	0	0	0	0	736
08:00	160	269	234	34	5	0	0	0	0	0	0	1	0	1	704
09:00	119	287	176	22	4	0	0	0	0	0	0	0	0	0	608
10:00	71	237	226	28	3	0	0	0	0	0	0	0	0	0	565
11:00	44	200	237	33	1	0	0	0	0	0	0	0	0	0	515
12 PM	40	173	272	67	8	0	0	0	0	0	0	0	0	0	560
13:00	33	186	276	63	4	0	0	0	0	0	0	0	0	0	562
14:00	47	196	268	82	12	2	1	0	0	0	0	0	0	0	608
15:00	73	231	378	130	13	1	0	0	0	0	0	0	0	1	827
16:00	69	241	386	93	12	1	0	0	0	0	0	0	0	0	802
17:00	52	216	383	135	9	2	0	0	0	0	0	0	0	2	799
18:00	46	133	247	92	16	0	0	1	0	0	0	0	0	0	535
19:00	34	163	201	45	3	0	0	0	0	0	0	0	0	0	446
20:00	22	122	133	41	5	2	0	0	0	0	0	0	0	0	325
21:00	16	57	100	30	2	1	0	0	0	0	0	0	0	0	206
22:00	6	41	53	18	2	2	0	0	0	0	0	0	0	0	122
23:00	4	16	24	9	2	1	2	0	0	0	0	0	0	0	58
Total	928	3174	4272	1192	134	20	7	1	0	1	0	1	0	4	9734

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

Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 7446
 Percent in Pace : 76.5%
 Number of Vehicles > 45 MPH : 1360
 Percent of Vehicles > 45 MPH : 14.0%

Grand Total	1778	6552	8528	2238	269	37	9	2	1	2	1	3	0	6	19426
--------------------	-------------	-------------	-------------	-------------	------------	-----------	----------	----------	----------	----------	----------	----------	----------	----------	--------------

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

Mean Speed(Average) : 40 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 15080
 Percent in Pace : 77.6%
 Number of Vehicles > 45 MPH : 2568
 Percent of Vehicles > 45 MPH : 13.2%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	8	3	2	0	1	0	0	0	0	0	0	0	15	3
01:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
02:00	0	5	1	0	2	0	0	0	0	0	0	0	0	8	2
03:00	0	8	0	0	2	0	0	0	0	0	0	0	0	10	2
04:00	0	23	2	0	3	0	0	0	0	0	0	0	0	28	3
05:00	0	42	18	0	14	0	0	2	0	0	0	0	0	76	16
06:00	7	136	63	4	37	1	0	4	0	0	0	0	0	252	46
07:00	6	222	90	7	36	1	0	3	2	0	0	0	0	367	49
08:00	4	240	84	3	41	1	0	2	2	0	0	0	0	377	49
09:00	2	163	69	3	30	2	0	3	2	0	0	0	0	274	40
10:00	4	184	59	4	22	1	0	1	1	0	0	0	0	276	29
11:00	2	172	65	7	15	1	0	2	4	0	0	0	0	268	29
12 PM	3	172	63	4	34	2	0	2	0	0	0	0	0	280	42
13:00	4	149	56	0	32	0	0	3	0	0	0	0	0	244	35
14:00	4	191	73	6	46	0	0	5	2	0	0	0	0	327	59
15:00	7	233	82	3	48	1	0	4	0	0	0	0	0	378	56
16:00	10	247	98	2	54	1	0	2	2	0	0	0	0	416	61
17:00	7	283	90	2	27	0	0	1	0	0	0	0	0	410	30
18:00	8	208	67	2	28	1	0	2	0	0	0	0	0	316	33
19:00	2	136	53	0	20	0	0	1	0	0	0	0	0	212	21
20:00	2	112	28	0	9	0	0	0	0	0	0	0	0	151	9
21:00	2	64	25	0	10	0	0	0	0	0	0	0	0	101	10
22:00	0	42	8	0	9	0	0	0	1	0	0	0	0	60	10
23:00	0	27	6	0	5	0	0	0	1	0	0	0	0	39	6
Total	75	3069	1105	49	524	13	0	37	17	0	0	0	0	4889	640
Percent	1.5%	62.8%	22.6%	1.0%	10.7%	0.3%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%		13.1%
AM Peak Vol.	06:00	08:00	07:00	07:00	08:00	09:00		06:00	11:00					08:00	07:00
PM Peak Vol.	16:00	17:00	16:00	14:00	16:00	12:00		14:00	14:00					16:00	16:00
	7	240	90	7	41	2		4	4					377	49
	10	283	98	6	54	2		5	2					416	61

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	15	2	0	0	0	0	0	1	0	0	0	0	18	1
01:00	0	5	1	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9	1
03:00	0	9	2	0	2	0	0	0	0	0	0	0	0	13	2
04:00	0	19	3	1	6	0	0	0	0	0	0	0	0	29	7
05:00	0	40	14	1	10	0	0	3	0	0	0	0	0	68	14
06:00	5	128	64	6	39	1	0	3	0	0	0	0	0	246	49
07:00	4	246	88	6	42	0	0	4	1	0	0	0	0	391	53
08:00	4	231	77	6	45	1	0	4	2	0	0	0	0	370	58
09:00	4	194	64	8	33	1	0	0	0	0	0	0	0	304	42
10:00	5	164	69	3	40	1	0	3	1	0	0	0	0	286	48
11:00	4	153	51	8	51	0	0	3	2	0	0	0	0	272	64
12 PM	2	165	57	4	47	0	0	2	2	0	0	0	0	279	55
13:00	3	188	64	3	29	3	0	1	2	0	0	0	0	293	38
14:00	5	186	84	5	33	1	0	2	3	0	0	0	0	319	44
15:00	10	233	106	2	54	2	0	1	1	0	0	0	0	409	60
16:00	5	247	92	3	42	0	0	0	1	0	0	0	0	390	46
17:00	6	282	95	1	45	0	0	2	1	0	0	0	0	432	49
18:00	1	182	67	0	25	0	0	2	0	0	0	0	0	277	27
19:00	0	106	59	0	25	1	0	0	0	0	0	0	0	191	26
20:00	0	102	40	0	14	0	0	0	0	0	0	0	0	156	14
21:00	1	62	16	0	5	0	0	0	0	0	0	0	0	84	5
22:00	0	37	8	0	1	0	0	0	0	0	0	0	0	46	1
23:00	0	13	7	0	3	0	0	0	0	0	0	0	0	23	3
Total	59	3014	1131	57	592	11	0	30	17	0	0	0	0	4911	707
Percent	1.2%	61.4%	23.0%	1.2%	12.1%	0.2%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%		14.4%
AM Peak Vol.	06:00	07:00	07:00	09:00	11:00	06:00		07:00	08:00					07:00	11:00
PM Peak Vol.	15:00	17:00	15:00	14:00	15:00	13:00		12:00	14:00					17:00	15:00
Grand Total	134	6083	2236	106	1116	24	0	67	34	0	0	0	0	9800	1347
Percent	1.4%	62.1%	22.8%	1.1%	11.4%	0.2%	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%		13.7%

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Community: Hanover
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 Recorder #: 32540
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	14	2	0	0	0	0	0	0	0	0	0	0	16	0
01:00	0	12	2	0	1	0	0	0	0	0	0	0	0	15	1
02:00	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
03:00	0	5	3	1	1	1	0	0	1	0	0	0	0	12	4
04:00	0	9	9	0	0	0	0	0	0	0	0	0	0	18	0
05:00	0	53	25	0	3	0	0	0	0	0	0	0	0	81	3
06:00	0	167	59	0	10	1	0	0	0	0	0	0	0	237	11
07:00	3	256	57	4	18	2	0	4	2	0	0	0	0	346	30
08:00	2	245	63	2	9	0	0	0	1	0	1	0	0	323	13
09:00	2	189	44	2	6	4	0	3	3	0	0	0	0	253	18
10:00	0	135	45	2	10	0	0	3	0	0	0	0	0	195	15
11:00	3	184	46	5	12	0	0	1	1	0	0	0	0	252	19
12 PM	4	223	53	2	8	3	0	2	1	0	0	0	0	296	16
13:00	4	215	57	1	14	2	0	6	1	0	0	0	0	300	24
14:00	1	207	53	7	9	1	0	1	2	0	0	0	0	281	20
15:00	7	276	81	4	16	2	0	1	1	0	0	0	0	388	24
16:00	4	287	71	4	8	0	0	3	2	0	0	0	0	379	17
17:00	2	314	70	1	9	1	0	1	0	0	0	0	0	398	12
18:00	7	240	38	1	1	0	0	1	0	0	0	0	0	288	3
19:00	0	208	33	0	5	0	0	0	0	0	0	0	0	246	5
20:00	4	175	27	0	2	0	0	0	1	0	0	0	0	209	3
21:00	1	112	14	0	3	0	0	0	1	0	0	0	0	131	4
22:00	0	85	7	0	1	0	0	0	0	0	0	0	0	93	1
23:00	0	25	3	0	1	0	0	0	0	0	0	0	0	29	1
Total	44	3638	863	36	148	17	0	26	17	0	1	0	0	4790	245
Percent	0.9%	75.9%	18.0%	0.8%	3.1%	0.4%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.1%
AM Peak Vol.	3	256	63	5	18	4		4	3		1			346	30
PM Peak Vol.	7	314	81	7	16	3		6	2					398	24

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), west of Grove St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	13	3	0	0	0	0	0	0	0	0	0	0	16	0
01:00	0	14	2	0	0	0	0	0	0	0	0	0	0	16	0
02:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7	1
03:00	0	4	2	0	1	0	0	0	0	0	0	0	0	7	1
04:00	0	13	12	0	0	0	0	0	0	0	0	0	0	25	0
05:00	0	47	23	0	7	0	0	0	0	0	0	0	0	77	7
06:00	0	162	47	0	9	0	0	0	1	0	0	0	0	219	10
07:00	0	258	65	5	11	0	0	2	3	0	0	0	0	344	21
08:00	1	235	73	3	14	0	0	2	2	0	1	0	0	331	22
09:00	1	199	71	3	19	2	0	5	1	0	0	0	0	301	30
10:00	0	187	58	5	23	3	0	2	1	0	0	0	0	279	34
11:00	4	175	42	3	11	3	0	3	1	0	0	0	0	242	21
12 PM	3	191	69	3	14	1	0	0	0	0	0	0	0	281	18
13:00	1	207	47	3	10	0	0	0	1	0	0	0	0	269	14
14:00	4	209	53	6	12	1	0	0	3	0	0	0	0	288	22
15:00	6	303	92	3	10	0	0	1	0	0	0	0	0	415	14
16:00	5	310	75	0	16	1	0	2	2	0	0	0	0	411	21
17:00	4	282	67	0	10	0	0	1	2	0	0	0	0	366	13
18:00	1	208	42	0	5	0	0	1	0	0	0	0	0	257	6
19:00	3	199	46	0	7	0	0	0	0	0	0	0	0	255	7
20:00	0	143	22	0	4	0	0	0	0	0	0	0	0	169	4
21:00	1	104	15	0	2	0	0	0	0	0	0	0	0	122	2
22:00	0	63	10	0	3	0	0	0	0	0	0	0	0	76	3
23:00	0	28	7	0	0	0	0	0	0	0	0	0	0	35	0
Total	34	3559	944	34	189	11	0	19	17	0	1	0	0	4808	271
Percent	0.7%	74.0%	19.6%	0.7%	3.9%	0.2%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak Vol.	4	258	73	5	23	3		5	3		1			344	34
PM Peak Vol.	6	310	92	6	16	1		2	3					415	22
Grand Total	78	7197	1807	70	337	28	0	45	34	0	2	0	0	9598	516
Percent	0.8%	75.0%	18.8%	0.7%	3.5%	0.3%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.4%

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Station ID:
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 Date Start: 11-Sep-19
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 Hanover St (139), west of Grove St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	1	22	5	2	0	1	0	0	0	0	0	0	0	31	3
01:00	0	14	4	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	7	2	0	3	0	0	0	0	0	0	0	0	12	3
03:00	0	13	3	1	3	1	0	0	1	0	0	0	0	22	6
04:00	0	32	11	0	3	0	0	0	0	0	0	0	0	46	3
05:00	0	95	43	0	17	0	0	2	0	0	0	0	0	157	19
06:00	7	303	122	4	47	2	0	4	0	0	0	0	0	489	57
07:00	9	478	147	11	54	3	0	7	4	0	0	0	0	713	79
08:00	6	485	147	5	50	1	0	2	3	0	1	0	0	700	62
09:00	4	352	113	5	36	6	0	6	5	0	0	0	0	527	58
10:00	4	319	104	6	32	1	0	4	1	0	0	0	0	471	44
11:00	5	356	111	12	27	1	0	3	5	0	0	0	0	520	48
12 PM	7	395	116	6	42	5	0	4	1	0	0	0	0	576	58
13:00	8	364	113	1	46	2	0	9	1	0	0	0	0	544	59
14:00	5	398	126	13	55	1	0	6	4	0	0	0	0	608	79
15:00	14	509	163	7	64	3	0	5	1	0	0	0	0	766	80
16:00	14	534	169	6	62	1	0	5	4	0	0	0	0	795	78
17:00	9	597	160	3	36	1	0	2	0	0	0	0	0	808	42
18:00	15	448	105	3	29	1	0	3	0	0	0	0	0	604	36
19:00	2	344	86	0	25	0	0	1	0	0	0	0	0	458	26
20:00	6	287	55	0	11	0	0	0	1	0	0	0	0	360	12
21:00	3	176	39	0	13	0	0	0	1	0	0	0	0	232	14
22:00	0	127	15	0	10	0	0	0	1	0	0	0	0	153	11
23:00	0	52	9	0	6	0	0	0	1	0	0	0	0	68	7
Total	119	6707	1968	85	672	30	0	63	34	0	1	0	0	9679	885
Percent	1.2%	69.3%	20.3%	0.9%	6.9%	0.3%	0.0%	0.7%	0.4%	0.0%	0.0%	0.0%	0.0%		9.1%
AM Peak Vol.	07:00	08:00	07:00	11:00	07:00	09:00		07:00	09:00		08:00			07:00	07:00
	9	485	147	12	54	6		7	5		1			713	79
PM Peak Vol.	18:00	17:00	16:00	14:00	15:00	12:00		13:00	14:00					17:00	15:00
	15	597	169	13	64	5		9	4					808	80

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09/12/19	0	28	5	0	0	0	0	0	1	0	0	0	0	34	1
01:00	0	19	3	0	0	0	0	0	0	0	0	0	0	22	0
02:00	0	12	2	0	2	0	0	0	0	0	0	0	0	16	2
03:00	0	13	4	0	3	0	0	0	0	0	0	0	0	20	3
04:00	0	32	15	1	6	0	0	0	0	0	0	0	0	54	7
05:00	0	87	37	1	17	0	0	3	0	0	0	0	0	145	21
06:00	5	290	111	6	48	1	0	3	1	0	0	0	0	465	59
07:00	4	504	153	11	53	0	0	6	4	0	0	0	0	735	74
08:00	5	466	150	9	59	1	0	6	4	0	1	0	0	701	80
09:00	5	393	135	11	52	3	0	5	1	0	0	0	0	605	72
10:00	5	351	127	8	63	4	0	5	2	0	0	0	0	565	82
11:00	8	328	93	11	62	3	0	6	3	0	0	0	0	514	85
12 PM	5	356	126	7	61	1	0	2	2	0	0	0	0	560	73
13:00	4	395	111	6	39	3	0	1	3	0	0	0	0	562	52
14:00	9	395	137	11	45	2	0	2	6	0	0	0	0	607	66
15:00	16	536	198	5	64	2	0	2	1	0	0	0	0	824	74
16:00	10	557	167	3	58	1	0	2	3	0	0	0	0	801	67
17:00	10	564	162	1	55	0	0	3	3	0	0	0	0	798	62
18:00	2	390	109	0	30	0	0	3	0	0	0	0	0	534	33
19:00	3	305	105	0	32	1	0	0	0	0	0	0	0	446	33
20:00	0	245	62	0	18	0	0	0	0	0	0	0	0	325	18
21:00	2	166	31	0	7	0	0	0	0	0	0	0	0	206	7
22:00	0	100	18	0	4	0	0	0	0	0	0	0	0	122	4
23:00	0	41	14	0	3	0	0	0	0	0	0	0	0	58	3
Total	93	6573	2075	91	781	22	0	49	34	0	1	0	0	9719	978
Percent	1.0%	67.6%	21.3%	0.9%	8.0%	0.2%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		10.1%
AM Peak	11:00	07:00	07:00	07:00	10:00	10:00		07:00	07:00		08:00			07:00	11:00
Vol.	8	504	153	11	63	4		6	4		1			735	85
PM Peak	15:00	17:00	15:00	14:00	15:00	13:00		17:00	14:00					15:00	15:00
Vol.	16	564	198	11	64	3		3	6					824	74
Grand Total	212	13280	4043	176	1453	52	0	112	68	0	2	0	0	19398	1863
Percent	1.1%	68.5%	20.8%	0.9%	7.5%	0.3%	0.0%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%		9.6%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

Start Time	09-Sep-19		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	*	*	*	*	13	20	20	19	*	*	*	*	*	*	16	20
01:00	*	*	*	*	3	18	9	19	*	*	*	*	*	*	6	18
02:00	*	*	*	*	10	7	10	9	*	*	*	*	*	*	10	8
03:00	*	*	*	*	11	14	15	10	*	*	*	*	*	*	13	12
04:00	*	*	*	*	41	19	39	22	*	*	*	*	*	*	40	20
05:00	*	*	*	*	105	93	102	87	*	*	*	*	*	*	104	90
06:00	*	*	*	*	334	241	320	235	*	*	*	*	*	*	327	238
07:00	*	*	*	*	530	369	534	386	*	*	*	*	*	*	532	378
08:00	*	*	*	*	532	403	538	408	*	*	*	*	*	*	535	406
09:00	*	*	*	*	381	315	386	373	*	*	*	*	*	*	384	344
10:00	*	*	*	*	354	286	347	345	*	*	*	*	*	*	350	316
11:00	*	*	*	*	361	313	350	335	*	*	*	*	*	*	356	324
12:00 PM	*	*	*	*	397	367	399	360	*	*	*	*	*	*	398	364
01:00	*	*	*	*	323	401	382	352	*	*	*	*	*	*	352	376
02:00	*	*	*	*	428	374	414	392	*	*	*	*	*	*	421	383
03:00	*	*	*	*	490	519	512	516	*	*	*	*	*	*	501	518
04:00	*	*	*	*	538	493	501	544	*	*	*	*	*	*	520	518
05:00	*	*	*	*	530	558	533	530	*	*	*	*	*	*	532	544
06:00	*	*	*	*	404	421	353	371	*	*	*	*	*	*	378	396
07:00	*	*	*	*	272	325	257	328	*	*	*	*	*	*	264	326
08:00	*	*	*	*	191	274	188	212	*	*	*	*	*	*	190	243
09:00	*	*	*	*	120	175	93	165	*	*	*	*	*	*	106	170
10:00	*	*	*	*	74	119	51	106	*	*	*	*	*	*	62	112
11:00	*	*	*	*	41	42	30	47	*	*	*	*	*	*	36	44
Lane	0	0	0	0	6483	6166	6383	6171	0	0	0	0	0	0	6433	6168
Day	0		0		12649		12554		0		0		0		12601	
AM Peak	-	-	-	-	08:00	08:00	08:00	08:00	-	-	-	-	-	-	08:00	08:00
Vol.	-	-	-	-	532	403	538	408	-	-	-	-	-	-	535	406
PM Peak	-	-	-	-	16:00	17:00	17:00	16:00	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	-	-	538	558	533	544	-	-	-	-	-	-	532	544

Comb. Total 0 0 12649 12554 0 0 0 12601

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

Start Time	11-Sep-19		EB		WB		Combined		12-Sep	EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		Thu	A.M.	P.M.	A.M.	P.M.	A.M.
12:00			5	105	8	95	13	200		9	104	5	83	14	187
12:15			7	93	5	104	12	197		3	101	8	101	11	202
12:30			1	100	5	86	6	186		6	89	3	98	9	187
12:45			0	99	2	82	2	181		2	105	3	78	5	183
01:00			0	82	2	102	2	184		1	104	5	81	6	185
01:15			0	69	9	104	9	173		2	90	4	92	6	182
01:30			3	94	4	92	7	186		2	87	4	99	6	186
01:45			0	78	3	103	3	181		4	101	6	80	10	181
02:00			0	84	0	88	0	172		0	84	2	108	2	192
02:15			3	115	5	113	8	228		5	100	0	94	5	194
02:30			5	101	2	84	7	185		4	120	4	95	8	215
02:45			2	128	0	89	2	217		1	110	3	95	4	205
03:00			0	128	3	133	3	261		0	144	0	125	0	269
03:15			2	132	2	147	4	279		2	117	0	130	2	247
03:30			3	117	3	117	6	234		5	135	4	117	9	252
03:45			6	113	6	122	12	235		8	116	6	144	14	260
04:00			6	137	4	125	10	262		4	127	2	153	6	280
04:15			6	145	3	129	9	274		7	119	3	134	10	253
04:30			6	137	5	116	11	253		12	125	8	134	20	259
04:45			23	119	7	123	30	242		16	130	9	123	25	253
05:00			13	137	11	170	24	307		16	133	7	152	23	285
05:15			22	144	13	152	35	296		20	146	15	133	35	279
05:30			28	122	27	122	55	244		34	126	19	134	53	260
05:45			42	127	42	114	84	241		32	128	46	111	78	239
06:00			41	108	36	114	77	222		50	106	48	103	98	209
06:15			86	99	56	102	142	201		60	93	55	99	115	192
06:30			99	98	70	114	169	212		91	68	67	88	158	156
06:45			108	99	79	91	187	190		119	86	65	81	184	167
07:00			100	89	100	78	200	167		123	79	89	83	212	162
07:15			101	80	87	92	188	172		113	72	102	95	215	167
07:30			143	53	99	90	242	143		133	54	95	83	228	137
07:45			186	50	83	65	269	115		165	52	100	67	265	119
08:00			140	49	102	82	242	131		160	56	101	56	261	112
08:15			162	60	91	73	253	133		127	38	112	54	239	92
08:30			118	48	120	68	238	116		134	53	91	51	225	104
08:45			112	34	90	51	202	85		117	41	104	51	221	92
09:00			108	34	84	54	192	88		101	32	95	61	196	93
09:15			80	38	77	51	157	89		96	23	104	47	200	70
09:30			105	30	91	32	196	62		92	21	75	31	167	52
09:45			88	18	63	38	151	56		97	17	99	26	196	43
10:00			85	23	72	43	157	66		87	18	79	37	166	55
10:15			75	22	64	35	139	57		90	16	83	38	173	54
10:30			104	14	75	20	179	34		93	7	93	17	186	24
10:45			90	15	75	21	165	36		77	10	90	14	167	24
11:00			74	13	70	20	144	33		68	8	76	11	144	19
11:15			84	13	77	8	161	21		97	10	88	14	185	24
11:30			99	10	89	6	188	16		88	9	87	9	175	18
11:45			104	5	77	8	181	13		97	3	84	13	181	16
Total			2675	3808	2098	4068	4773	7876		2670	3713	2248	3923	4918	7636
Day Total			6483		6166		12649			6383		6171		12554	
% Total			21.1%	30.1%	16.6%	32.2%				21.3%	29.6%	17.9%	31.2%		
Peak	-		07:30	04:00	08:00	04:45	07:30	04:30	-	07:45	04:45	07:30	03:45	07:30	04:45
Vol.	-		631	538	403	567	1006	1098	-	586	535	408	565	993	1077
P.H.F.			0.848	0.928	0.840	0.834	0.935	0.894		0.888	0.916	0.911	0.923	0.937	0.945

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

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	33	39	*	*	*	36
01:00	*	*	21	28	*	*	*	24
02:00	*	*	17	19	*	*	*	18
03:00	*	*	25	25	*	*	*	25
04:00	*	*	60	61	*	*	*	60
05:00	*	*	198	189	*	*	*	194
06:00	*	*	575	555	*	*	*	565
07:00	*	*	899	920	*	*	*	910
08:00	*	*	935	946	*	*	*	940
09:00	*	*	696	759	*	*	*	728
10:00	*	*	640	692	*	*	*	666
11:00	*	*	674	685	*	*	*	680
12:00 PM	*	*	764	759	*	*	*	762
01:00	*	*	724	734	*	*	*	729
02:00	*	*	802	806	*	*	*	804
03:00	*	*	1009	1028	*	*	*	1018
04:00	*	*	1031	1045	*	*	*	1038
05:00	*	*	1088	1063	*	*	*	1076
06:00	*	*	825	724	*	*	*	774
07:00	*	*	597	585	*	*	*	591
08:00	*	*	465	400	*	*	*	432
09:00	*	*	295	258	*	*	*	276
10:00	*	*	193	157	*	*	*	175
11:00	*	*	83	77	*	*	*	80
Total	0	0	12649	12554	0	0	0	
Percentage	0.0%	0.0%	100.4%	99.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	08:00	08:00	-	-	-	-
Vol.	-	-	935	946	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	1088	1063	-	-	-	-

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

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	1	7	2	3	0	0	0	0	0	0	0	0	0	0	13
01:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	2	6	2	0	0	0	0	0	0	0	0	0	0	10
03:00	1	1	6	2	1	0	0	0	0	0	0	0	0	0	11
04:00	1	9	17	10	3	1	0	0	0	0	0	0	0	0	41
05:00	7	36	47	12	3	0	0	0	0	0	0	0	0	0	105
06:00	43	145	126	16	3	0	0	0	0	1	0	0	0	0	334
07:00	99	254	155	20	2	0	0	0	0	0	0	0	0	0	530
08:00	88	281	147	15	0	1	0	0	0	0	0	0	0	0	532
09:00	60	183	123	12	1	1	0	0	0	0	0	0	1	0	381
10:00	50	175	117	10	1	0	0	0	0	0	0	0	0	1	354
11:00	50	188	104	19	0	0	0	0	0	0	0	0	0	0	361
12 PM	34	206	137	19	0	0	1	0	0	0	0	0	0	0	397
13:00	46	175	91	9	2	0	0	0	0	0	0	0	0	0	323
14:00	43	227	140	13	3	1	0	0	0	0	0	0	0	1	428
15:00	163	210	98	18	1	0	0	0	0	0	0	0	0	0	490
16:00	93	287	128	27	2	1	0	0	0	0	0	0	0	0	538
17:00	87	242	172	26	1	0	0	0	1	1	0	0	0	0	530
18:00	58	168	149	29	0	0	0	0	0	0	0	0	0	0	404
19:00	32	137	82	19	1	1	0	0	0	0	0	0	0	0	272
20:00	19	91	64	14	2	0	0	0	0	0	0	0	1	0	191
21:00	16	53	43	5	3	0	0	0	0	0	0	0	0	0	120
22:00	8	24	28	12	1	1	0	0	0	0	0	0	0	0	74
23:00	2	13	20	6	0	0	0	0	0	0	0	0	0	0	41
Total	1001	3115	2004	318	30	7	1	0	1	2	0	0	2	2	6483

Daily

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

Mean Speed(Average) :	37 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	5119
Percent in Pace :	79.0%
Number of Vehicles > 45 MPH :	363
Percent of Vehicles > 45 MPH :	5.6%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	7	8	2	1	1	0	0	0	0	0	0	0	0	20
01:00	0	2	4	2	0	1	0	0	0	0	0	0	0	0	9
02:00	0	2	5	1	1	0	1	0	0	0	0	0	0	0	10
03:00	1	3	9	0	2	0	0	0	0	0	0	0	0	0	15
04:00	0	12	21	4	2	0	0	0	0	0	0	0	0	0	39
05:00	9	38	43	10	1	1	0	0	0	0	0	0	0	0	102
06:00	51	142	111	15	1	0	0	0	0	0	0	0	0	0	320
07:00	119	233	158	20	2	0	0	1	0	1	0	0	0	0	534
08:00	120	271	132	13	1	0	1	0	0	0	0	0	0	0	538
09:00	95	204	79	8	0	0	0	0	0	0	0	0	0	0	386
10:00	80	184	74	8	1	0	0	0	0	0	0	0	0	0	347
11:00	78	175	81	15	1	0	0	0	0	0	0	0	0	0	350
12 PM	63	191	127	16	1	0	0	1	0	0	0	0	0	0	399
13:00	65	176	124	17	0	0	0	0	0	0	0	0	0	0	382
14:00	42	209	144	19	0	0	0	0	0	0	0	0	0	0	414
15:00	74	253	156	24	3	1	0	0	1	0	0	0	0	0	512
16:00	58	254	169	20	0	0	0	0	0	0	0	0	0	0	501
17:00	87	257	176	13	0	0	0	0	0	0	0	0	0	0	533
18:00	27	158	150	15	1	0	1	0	1	0	0	0	0	0	353
19:00	39	122	83	12	1	0	0	0	0	0	0	0	0	0	257
20:00	20	68	80	19	1	0	0	0	0	0	0	0	0	0	188
21:00	7	38	40	8	0	0	0	0	0	0	0	0	0	0	93
22:00	3	22	20	5	1	0	0	0	0	0	0	0	0	0	51
23:00	2	11	11	3	0	2	1	0	0	0	0	0	0	0	30
Total	1041	3032	2005	269	21	6	4	2	2	1	0	0	0	0	6383

Daily
 15th Percentile : 32 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5037
 Percent in Pace : 78.9%
 Number of Vehicles > 45 MPH : 305
 Percent of Vehicles > 45 MPH : 4.8%

Grand Total	2042	6147	4009	587	51	13	5	2	3	3	0	0	2	2	12866
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Overall
 15th Percentile : 33 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10156
 Percent in Pace : 78.9%
 Number of Vehicles > 45 MPH : 668
 Percent of Vehicles > 45 MPH : 5.2%

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Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	1	6	9	4	0	0	0	0	0	0	0	0	0	0	20
01:00	0	6	9	2	0	0	1	0	0	0	0	0	0	0	18
02:00	2	1	3	1	0	0	0	0	0	0	0	0	0	0	7
03:00	0	3	7	3	0	1	0	0	0	0	0	0	0	0	14
04:00	2	2	9	5	1	0	0	0	0	0	0	0	0	0	19
05:00	2	25	47	16	3	0	0	0	0	0	0	0	0	0	93
06:00	12	70	135	21	2	1	0	0	0	0	0	0	0	0	241
07:00	23	114	179	48	4	1	0	0	0	0	0	0	0	0	369
08:00	45	169	165	21	3	0	0	0	0	0	0	0	0	0	403
09:00	48	143	100	23	1	0	0	0	0	0	0	0	0	0	315
10:00	46	104	111	24	1	0	0	0	0	0	0	0	0	0	286
11:00	42	124	124	20	2	1	0	0	0	0	0	0	0	0	313
12 PM	45	115	168	34	5	0	0	0	0	0	0	0	0	0	367
13:00	48	143	178	32	0	0	0	0	0	0	0	0	0	0	401
14:00	35	169	141	23	5	1	0	0	0	0	0	0	0	0	374
15:00	99	212	176	29	3	0	0	0	0	0	0	0	0	0	519
16:00	66	193	191	37	5	1	0	0	0	0	0	0	0	0	493
17:00	85	225	220	27	1	0	0	0	0	0	0	0	0	0	558
18:00	45	154	180	38	2	0	1	0	0	1	0	0	0	0	421
19:00	44	155	108	17	1	0	0	0	0	0	0	0	0	0	325
20:00	33	133	89	18	1	0	0	0	0	0	0	0	0	0	274
21:00	22	65	75	12	1	0	0	0	0	0	0	0	0	0	175
22:00	23	46	43	6	0	1	0	0	0	0	0	0	0	0	119
23:00	3	12	16	8	2	0	1	0	0	0	0	0	0	0	42
Total	771	2389	2483	469	43	7	3	0	0	1	0	0	0	0	6166

Daily

15th Percentile :	35 MPH
50th Percentile :	39 MPH
85th Percentile :	44 MPH
95th Percentile :	47 MPH

Mean Speed(Average) :	38 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4872
Percent in Pace :	79.0%
Number of Vehicles > 45 MPH :	523
Percent of Vehicles > 45 MPH :	8.5%

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 Layout: L6 Basic (2')

Station ID:
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 Date Start: 11-Sep-19
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 Hanover St (139), east of Grove St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	0	9	8	2	0	0	0	0	0	0	0	0	0	0	19
01:00	0	8	6	3	0	1	1	0	0	0	0	0	0	0	19
02:00	0	4	4	1	0	0	0	0	0	0	0	0	0	0	9
03:00	0	2	2	3	2	1	0	0	0	0	0	0	0	0	10
04:00	1	2	12	4	2	0	1	0	0	0	0	0	0	0	22
05:00	4	13	50	18	2	0	0	0	0	0	0	0	0	0	87
06:00	15	46	118	44	11	1	0	0	0	0	0	0	0	0	235
07:00	23	133	184	42	4	0	0	0	0	0	0	0	0	0	386
08:00	47	178	150	31	1	0	1	0	0	0	0	0	0	0	408
09:00	78	170	106	15	4	0	0	0	0	0	0	0	0	0	373
10:00	27	161	139	17	1	0	0	0	0	0	0	0	0	0	345
11:00	35	118	151	28	3	0	0	0	0	0	0	0	0	0	335
12 PM	25	123	169	37	5	1	0	0	0	0	0	0	0	0	360
13:00	26	128	156	39	3	0	0	0	0	0	0	0	0	0	352
14:00	30	176	162	23	1	0	0	0	0	0	0	0	0	0	392
15:00	60	200	213	40	3	0	0	0	0	0	0	0	0	0	516
16:00	49	214	241	36	4	0	0	0	0	0	0	0	0	0	544
17:00	48	220	217	39	4	2	0	0	0	0	0	0	0	0	530
18:00	30	110	182	40	8	1	0	0	0	0	0	0	0	0	371
19:00	38	118	152	19	1	0	0	0	0	0	0	0	0	0	328
20:00	17	90	90	12	2	1	0	0	0	0	0	0	0	0	212
21:00	10	58	83	13	1	0	0	0	0	0	0	0	0	0	165
22:00	9	30	47	19	1	0	0	0	0	0	0	0	0	0	106
23:00	6	5	23	9	3	1	0	0	0	0	0	0	0	0	47
Total	578	2316	2665	534	66	9	3	0	0	0	0	0	0	0	6171

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

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4981
 Percent in Pace : 80.7%
 Number of Vehicles > 45 MPH : 612
 Percent of Vehicles > 45 MPH : 9.9%

Grand Total	1349	4705	5148	1003	109	16	6	0	0	1	0	0	0	0	12337
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 40 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

 Mean Speed(Average) : 39 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9853
 Percent in Pace : 79.9%
 Number of Vehicles > 45 MPH : 1135
 Percent of Vehicles > 45 MPH : 9.2%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	13	11	7	0	0	0	0	0	0	0	0	0	0	33
01:00	0	7	11	2	0	0	1	0	0	0	0	0	0	0	21
02:00	2	3	9	3	0	0	0	0	0	0	0	0	0	0	17
03:00	1	4	13	5	1	1	0	0	0	0	0	0	0	0	25
04:00	3	11	26	15	4	1	0	0	0	0	0	0	0	0	60
05:00	9	61	94	28	6	0	0	0	0	0	0	0	0	0	198
06:00	55	215	261	37	5	1	0	0	0	1	0	0	0	0	575
07:00	122	368	334	68	6	1	0	0	0	0	0	0	0	0	899
08:00	133	450	312	36	3	1	0	0	0	0	0	0	0	0	935
09:00	108	326	223	35	2	1	0	0	0	0	0	0	1	0	696
10:00	96	279	228	34	2	0	0	0	0	0	0	0	0	1	640
11:00	92	312	228	39	2	1	0	0	0	0	0	0	0	0	674
12 PM	79	321	305	53	5	0	1	0	0	0	0	0	0	0	764
13:00	94	318	269	41	2	0	0	0	0	0	0	0	0	0	724
14:00	78	396	281	36	8	2	0	0	0	0	0	0	0	1	802
15:00	262	422	274	47	4	0	0	0	0	0	0	0	0	0	1009
16:00	159	480	319	64	7	2	0	0	0	0	0	0	0	0	1031
17:00	172	467	392	53	2	0	0	0	1	1	0	0	0	0	1088
18:00	103	322	329	67	2	0	1	0	0	1	0	0	0	0	825
19:00	76	292	190	36	2	1	0	0	0	0	0	0	0	0	597
20:00	52	224	153	32	3	0	0	0	0	0	0	0	1	0	465
21:00	38	118	118	17	4	0	0	0	0	0	0	0	0	0	295
22:00	31	70	71	18	1	2	0	0	0	0	0	0	0	0	193
23:00	5	25	36	14	2	0	1	0	0	0	0	0	0	0	83
Total	1772	5504	4487	787	73	14	4	0	1	3	0	0	2	2	12649

Daily

15th Percentile :	35 MPH
50th Percentile :	39 MPH
85th Percentile :	43 MPH
95th Percentile :	46 MPH

Mean Speed(Average) :	38 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	9991
Percent in Pace :	79.0%
Number of Vehicles > 45 MPH :	886
Percent of Vehicles > 45 MPH :	7.0%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	16	16	4	1	1	0	0	0	0	0	0	0	0	39
01:00	0	10	10	5	0	2	1	0	0	0	0	0	0	0	28
02:00	0	6	9	2	1	0	1	0	0	0	0	0	0	0	19
03:00	1	5	11	3	4	1	0	0	0	0	0	0	0	0	25
04:00	1	14	33	8	4	0	1	0	0	0	0	0	0	0	61
05:00	13	51	93	28	3	1	0	0	0	0	0	0	0	0	189
06:00	66	188	229	59	12	1	0	0	0	0	0	0	0	0	555
07:00	142	366	342	62	6	0	0	1	0	1	0	0	0	0	920
08:00	167	449	282	44	2	0	2	0	0	0	0	0	0	0	946
09:00	173	374	185	23	4	0	0	0	0	0	0	0	0	0	759
10:00	107	345	213	25	2	0	0	0	0	0	0	0	0	0	692
11:00	113	293	232	43	4	0	0	0	0	0	0	0	0	0	685
12 PM	88	314	296	53	6	1	0	1	0	0	0	0	0	0	759
13:00	91	304	280	56	3	0	0	0	0	0	0	0	0	0	734
14:00	72	385	306	42	1	0	0	0	0	0	0	0	0	0	806
15:00	134	453	369	64	6	1	0	0	1	0	0	0	0	0	1028
16:00	107	468	410	56	4	0	0	0	0	0	0	0	0	0	1045
17:00	135	477	393	52	4	2	0	0	0	0	0	0	0	0	1063
18:00	57	268	332	55	9	1	1	0	1	0	0	0	0	0	724
19:00	77	240	235	31	2	0	0	0	0	0	0	0	0	0	585
20:00	37	158	170	31	3	1	0	0	0	0	0	0	0	0	400
21:00	17	96	123	21	1	0	0	0	0	0	0	0	0	0	258
22:00	12	52	67	24	2	0	0	0	0	0	0	0	0	0	157
23:00	8	16	34	12	3	3	1	0	0	0	0	0	0	0	77
Total	1619	5348	4670	803	87	15	7	2	2	1	0	0	0	0	12554

Daily
 15th Percentile : 35 MPH
 50th Percentile : 39 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10018
 Percent in Pace : 79.8%
 Number of Vehicles > 45 MPH : 917
 Percent of Vehicles > 45 MPH : 7.3%

Grand Total	3391	10852	9157	1590	160	29	11	2	3	4	0	0	2	2	25203
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Overall
 15th Percentile : 35 MPH
 50th Percentile : 39 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 20009
 Percent in Pace : 79.4%
 Number of Vehicles > 45 MPH : 1803
 Percent of Vehicles > 45 MPH : 7.2%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	8	2	1	1	0	0	0	1	0	0	0	0	13	3
01:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	8	1	0	1	0	0	0	0	0	0	0	0	10	1
03:00	0	8	0	1	2	0	0	0	0	0	0	0	0	11	3
04:00	0	35	4	0	2	0	0	0	0	0	0	0	0	41	2
05:00	1	70	29	0	3	0	0	2	0	0	0	0	0	105	5
06:00	9	210	86	8	11	4	0	3	0	0	0	0	0	331	26
07:00	14	364	113	4	22	4	1	4	2	0	0	0	0	528	37
08:00	7	386	97	6	28	3	0	2	2	0	0	0	0	531	41
09:00	4	263	79	4	23	2	0	3	2	0	0	0	0	380	34
10:00	2	275	57	5	10	3	0	0	2	0	0	0	0	354	20
11:00	3	269	70	5	8	1	0	2	3	0	0	0	0	361	19
12 PM	7	275	89	4	16	2	0	2	1	0	0	0	0	396	25
13:00	2	236	65	0	12	2	0	4	1	0	0	0	0	322	19
14:00	2	292	93	6	24	2	0	4	3	0	0	0	0	426	39
15:00	7	352	98	6	22	0	0	4	0	0	0	0	0	489	32
16:00	10	385	105	1	22	5	1	3	3	0	0	0	0	535	35
17:00	14	405	89	1	17	0	0	2	0	0	0	0	0	528	20
18:00	9	305	74	0	12	2	0	2	0	0	0	0	0	404	16
19:00	7	210	47	0	5	1	0	1	0	0	0	0	0	271	7
20:00	2	159	26	0	4	0	0	0	0	0	0	0	0	191	4
21:00	2	96	20	0	1	1	0	0	0	0	0	0	0	120	2
22:00	0	59	12	0	2	0	0	0	1	0	0	0	0	74	3
23:00	1	30	8	0	1	0	0	0	1	0	0	0	0	41	2
Total	103	4703	1264	52	249	32	2	38	22	0	0	0	0	6465	395
Percent	1.6%	72.7%	19.6%	0.8%	3.9%	0.5%	0.0%	0.6%	0.3%	0.0%	0.0%	0.0%	0.0%		6.1%
AM Peak	07:00	08:00	07:00	06:00	08:00	06:00	07:00	07:00	11:00					08:00	08:00
Vol.	14	386	113	8	28	4	1	4	3					531	41
PM Peak	17:00	17:00	16:00	14:00	14:00	16:00	16:00	13:00	14:00					16:00	14:00
Vol.	14	405	105	6	24	5	1	4	3					535	39

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

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	16	3	0	0	0	0	0	1	0	0	0	0	20	1
01:00	0	9	0	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	9	0	0	1	0	0	0	0	0	0	0	0	10	1
03:00	0	12	1	1	1	0	0	0	0	0	0	0	0	15	2
04:00	0	27	6	1	5	0	0	0	0	0	0	0	0	39	6
05:00	3	63	30	0	2	1	0	3	0	0	0	0	0	102	6
06:00	7	209	79	10	11	1	1	2	0	0	0	0	0	320	25
07:00	9	387	110	3	16	3	0	3	1	0	0	0	0	532	26
08:00	6	394	91	6	30	3	1	3	2	0	0	0	0	536	45
09:00	4	282	77	4	17	1	0	1	0	0	0	0	0	386	23
10:00	3	232	83	1	16	5	1	2	2	0	0	0	0	345	27
11:00	3	229	77	9	25	1	0	2	2	0	0	0	0	348	39
12 PM	2	276	89	4	22	2	2	1	0	0	0	0	0	398	31
13:00	1	278	77	3	15	3	0	1	4	0	0	0	0	382	26
14:00	4	289	94	6	13	2	0	3	3	0	0	0	0	414	27
15:00	7	344	123	2	22	6	1	5	0	0	0	0	0	510	36
16:00	10	355	113	2	16	1	0	1	1	0	0	0	0	499	21
17:00	7	398	106	2	16	1	0	1	1	0	0	0	0	532	21
18:00	2	275	60	1	12	0	0	3	0	0	0	0	0	353	16
19:00	3	192	55	0	5	2	0	0	0	0	0	0	0	257	7
20:00	0	145	37	0	6	0	0	0	0	0	0	0	0	188	6
21:00	0	83	9	0	1	0	0	0	0	0	0	0	0	93	1
22:00	0	41	10	0	0	0	0	0	0	0	0	0	0	51	0
23:00	0	24	5	0	1	0	0	0	0	0	0	0	0	30	1
Total	71	4569	1335	55	253	32	6	31	17	0	0	0	0	6369	394
Percent	1.1%	71.7%	21.0%	0.9%	4.0%	0.5%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		6.2%
AM Peak Vol.	9	394	110	10	30	5	1	3	2					536	45
PM Peak Vol.	10	398	123	6	22	6	2	5	4					532	36
Grand Total	174	9272	2599	107	502	64	8	69	39	0	0	0	0	12834	789
Percent	1.4%	72.2%	20.3%	0.8%	3.9%	0.5%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		6.1%

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Community: Hanover
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Station ID:
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 Date Start: 11-Sep-19
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 Hanover St (139), east of Grove St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	17	3	0	0	0	0	0	0	0	0	0	0	20	0
01:00	0	15	1	0	1	1	0	0	0	0	0	0	0	18	2
02:00	1	3	1	0	1	1	0	0	0	0	0	0	0	7	2
03:00	1	6	3	1	1	1	0	0	1	0	0	0	0	14	4
04:00	0	10	9	0	0	0	0	0	0	0	0	0	0	19	0
05:00	1	63	26	0	3	0	0	0	0	0	0	0	0	93	3
06:00	5	158	62	0	13	1	0	0	0	0	0	0	0	239	14
07:00	6	258	77	3	18	1	0	1	4	0	0	0	0	368	27
08:00	2	285	86	10	13	2	0	2	1	0	1	0	0	402	29
09:00	3	230	57	3	9	4	0	3	4	0	0	0	0	313	23
10:00	6	198	61	2	13	2	0	3	0	0	0	0	0	285	20
11:00	1	222	63	6	16	0	0	2	2	0	0	0	0	312	26
12 PM	5	263	80	1	9	3	1	2	2	0	0	0	0	366	18
13:00	5	294	75	2	16	1	0	4	3	0	0	0	0	400	26
14:00	2	261	84	7	13	1	0	3	2	0	0	0	0	373	26
15:00	10	371	102	5	20	2	0	4	1	0	0	0	0	515	32
16:00	13	347	104	3	15	2	0	3	3	0	0	0	0	490	26
17:00	7	429	99	4	14	1	0	1	0	0	0	0	0	555	20
18:00	15	329	67	1	5	0	0	1	0	0	0	0	0	418	7
19:00	2	258	58	0	5	0	0	0	0	0	0	0	0	323	5
20:00	6	225	39	0	3	0	0	0	1	0	0	0	0	274	4
21:00	0	147	25	0	2	0	0	0	1	0	0	0	0	175	3
22:00	0	108	10	0	1	0	0	0	0	0	0	0	0	119	1
23:00	2	35	3	0	2	0	0	0	0	0	0	0	0	42	2
Total	93	4532	1195	48	193	23	1	29	25	0	1	0	0	6140	320
Percent	1.5%	73.8%	19.5%	0.8%	3.1%	0.4%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.2%
AM Peak Vol.	07:00	08:00	08:00	08:00	07:00	09:00		09:00	07:00		08:00			08:00	08:00
PM Peak Vol.	18:00	17:00	16:00	14:00	15:00	12:00	12:00	13:00	13:00					17:00	15:00
AM Peak Vol.	6	285	86	10	18	4		3	4		1			402	29
PM Peak Vol.	15	429	104	7	20	3	1	4	3					555	32

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 Hanover St (139), east of Grove St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	16	3	0	0	0	0	0	0	0	0	0	0	19	0
01:00	0	17	2	0	0	0	0	0	0	0	0	0	0	19	0
02:00	0	7	0	0	2	0	0	0	0	0	0	0	0	9	2
03:00	1	5	2	0	1	1	0	0	0	0	0	0	0	10	2
04:00	0	12	10	0	0	0	0	0	0	0	0	0	0	22	0
05:00	0	53	27	0	7	0	0	0	0	0	0	0	0	87	7
06:00	2	162	59	1	10	0	0	0	1	0	0	0	0	235	12
07:00	7	275	78	4	16	2	0	0	2	0	0	0	0	384	24
08:00	1	273	96	13	18	2	0	1	2	0	1	0	0	407	37
09:00	4	240	83	4	28	3	0	6	2	0	0	0	0	370	43
10:00	3	216	89	4	28	3	0	1	1	0	0	0	0	345	37
11:00	3	234	70	4	15	3	0	4	1	0	0	0	0	334	27
12 PM	2	252	85	1	16	3	1	0	0	0	0	0	0	360	21
13:00	1	251	74	3	17	2	0	2	1	0	0	0	0	351	25
14:00	7	266	83	7	19	2	0	2	4	0	0	0	0	390	34
15:00	7	364	121	7	13	0	1	2	0	0	0	0	0	515	23
16:00	7	388	118	2	19	3	0	2	2	0	0	0	0	541	28
17:00	10	405	93	3	10	2	0	1	3	0	0	0	0	527	19
18:00	2	284	71	0	11	0	0	1	0	0	0	0	0	369	12
19:00	1	260	59	0	8	0	0	0	0	0	0	0	0	328	8
20:00	0	177	30	0	5	0	0	0	0	0	0	0	0	212	5
21:00	0	142	21	0	2	0	0	0	0	0	0	0	0	165	2
22:00	0	90	14	0	2	0	0	0	0	0	0	0	0	106	2
23:00	0	38	9	0	0	0	0	0	0	0	0	0	0	47	0
Total	58	4427	1297	53	247	26	2	22	19	0	1	0	0	6152	370
Percent	0.9%	72.0%	21.1%	0.9%	4.0%	0.4%	0.0%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak Vol.	7	275	96	13	28	3		6	2		1			407	43
PM Peak Vol.	10	405	121	7	19	3	1	2	4					541	34
Grand Total	151	8959	2492	101	440	49	3	51	44	0	2	0	0	12292	690
Percent	1.2%	72.9%	20.3%	0.8%	3.6%	0.4%	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%		5.6%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	25	5	1	1	0	0	0	1	0	0	0	0	33	3
01:00	0	18	1	0	1	1	0	0	0	0	0	0	0	21	2
02:00	1	11	2	0	2	1	0	0	0	0	0	0	0	17	3
03:00	1	14	3	2	3	1	0	0	1	0	0	0	0	25	7
04:00	0	45	13	0	2	0	0	0	0	0	0	0	0	60	2
05:00	2	133	55	0	6	0	0	2	0	0	0	0	0	198	8
06:00	14	368	148	8	24	5	0	3	0	0	0	0	0	570	40
07:00	20	622	190	7	40	5	1	5	6	0	0	0	0	896	64
08:00	9	671	183	16	41	5	0	4	3	0	1	0	0	933	70
09:00	7	493	136	7	32	6	0	6	6	0	0	0	0	693	57
10:00	8	473	118	7	23	5	0	3	2	0	0	0	0	639	40
11:00	4	491	133	11	24	1	0	4	5	0	0	0	0	673	45
12 PM	12	538	169	5	25	5	1	4	3	0	0	0	0	762	43
13:00	7	530	140	2	28	3	0	8	4	0	0	0	0	722	45
14:00	4	553	177	13	37	3	0	7	5	0	0	0	0	799	65
15:00	17	723	200	11	42	2	0	8	1	0	0	0	0	1004	64
16:00	23	732	209	4	37	7	1	6	6	0	0	0	0	1025	61
17:00	21	834	188	5	31	1	0	3	0	0	0	0	0	1083	40
18:00	24	634	141	1	17	2	0	3	0	0	0	0	0	822	23
19:00	9	468	105	0	10	1	0	1	0	0	0	0	0	594	12
20:00	8	384	65	0	7	0	0	0	1	0	0	0	0	465	8
21:00	2	243	45	0	3	1	0	0	1	0	0	0	0	295	5
22:00	0	167	22	0	3	0	0	0	1	0	0	0	0	193	4
23:00	3	65	11	0	3	0	0	0	1	0	0	0	0	83	4
Total	196	9235	2459	100	442	55	3	67	47	0	1	0	0	12605	715
Percent	1.6%	73.3%	19.5%	0.8%	3.5%	0.4%	0.0%	0.5%	0.4%	0.0%	0.0%	0.0%	0.0%		5.7%
AM Peak Vol.	07:00	08:00	07:00	08:00	08:00	09:00	07:00	09:00	07:00		08:00			08:00	08:00
PM Peak Vol.	18:00	17:00	16:00	14:00	15:00	16:00	12:00	13:00	16:00					17:00	14:00
Vol.	20	671	190	16	41	6	1	6	6		1			933	70
Vol.	24	834	209	13	42	7	1	8	6					1083	65

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

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Hanover St (139), east of Grove St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	32	6	0	0	0	0	0	1	0	0	0	0	39	1
01:00	0	26	2	0	0	0	0	0	0	0	0	0	0	28	0
02:00	0	16	0	0	3	0	0	0	0	0	0	0	0	19	3
03:00	1	17	3	1	2	1	0	0	0	0	0	0	0	25	4
04:00	0	39	16	1	5	0	0	0	0	0	0	0	0	61	6
05:00	3	116	57	0	9	1	0	3	0	0	0	0	0	189	13
06:00	9	371	138	11	21	1	1	2	1	0	0	0	0	555	37
07:00	16	662	188	7	32	5	0	3	3	0	0	0	0	916	50
08:00	7	667	187	19	48	5	1	4	4	0	1	0	0	943	82
09:00	8	522	160	8	45	4	0	7	2	0	0	0	0	756	66
10:00	6	448	172	5	44	8	1	3	3	0	0	0	0	690	64
11:00	6	463	147	13	40	4	0	6	3	0	0	0	0	682	66
12 PM	4	528	174	5	38	5	3	1	0	0	0	0	0	758	52
13:00	2	529	151	6	32	5	0	3	5	0	0	0	0	733	51
14:00	11	555	177	13	32	4	0	5	7	0	0	0	0	804	61
15:00	14	708	244	9	35	6	2	7	0	0	0	0	0	1025	59
16:00	17	743	231	4	35	4	0	3	3	0	0	0	0	1040	49
17:00	17	803	199	5	26	3	0	2	4	0	0	0	0	1059	40
18:00	4	559	131	1	23	0	0	4	0	0	0	0	0	722	28
19:00	4	452	114	0	13	2	0	0	0	0	0	0	0	585	15
20:00	0	322	67	0	11	0	0	0	0	0	0	0	0	400	11
21:00	0	225	30	0	3	0	0	0	0	0	0	0	0	258	3
22:00	0	131	24	0	2	0	0	0	0	0	0	0	0	157	2
23:00	0	62	14	0	1	0	0	0	0	0	0	0	0	77	1
Total	129	8996	2632	108	500	58	8	53	36	0	1	0	0	12521	764
Percent	1.0%	71.8%	21.0%	0.9%	4.0%	0.5%	0.1%	0.4%	0.3%	0.0%	0.0%	0.0%	0.0%		6.1%
AM Peak Vol.	07:00	08:00	07:00	08:00	08:00	10:00	06:00	09:00	08:00		08:00			08:00	08:00
PM Peak Vol.	16:00	17:00	15:00	14:00	12:00	15:00	12:00	15:00	14:00					17:00	14:00
Grand Total	325	18231	5091	208	942	113	11	120	83	0	2	0	0	25126	1479
Percent	1.3%	72.6%	20.3%	0.8%	3.7%	0.4%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%		5.9%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

Start Time	07-Oct-19		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	*	*	*	*	9	32	22	35	*	*	*	*	*	*	16	34
01:00	*	*	*	*	14	19	10	24	*	*	*	*	*	*	12	22
02:00	*	*	*	*	25	11	15	6	*	*	*	*	*	*	20	8
03:00	*	*	*	*	18	13	16	9	*	*	*	*	*	*	17	11
04:00	*	*	*	*	82	21	96	22	*	*	*	*	*	*	89	22
05:00	*	*	*	*	185	82	185	82	*	*	*	*	*	*	185	82
06:00	*	*	*	*	441	259	417	239	*	*	*	*	*	*	429	249
07:00	*	*	*	*	796	436	766	417	*	*	*	*	*	*	781	426
08:00	*	*	*	*	772	414	762	434	*	*	*	*	*	*	767	424
09:00	*	*	*	*	551	437	557	399	*	*	*	*	*	*	554	418
10:00	*	*	*	*	538	391	510	367	*	*	*	*	*	*	524	379
11:00	*	*	*	*	527	501	560	450	*	*	*	*	*	*	544	476
12:00 PM	*	*	*	*	527	526	486	527	*	*	*	*	*	*	506	526
01:00	*	*	*	*	472	568	471	518	*	*	*	*	*	*	472	543
02:00	*	*	*	*	546	626	500	602	*	*	*	*	*	*	523	614
03:00	*	*	*	*	566	738	617	749	*	*	*	*	*	*	592	744
04:00	*	*	*	*	626	797	610	793	*	*	*	*	*	*	618	795
05:00	*	*	*	*	567	798	641	776	*	*	*	*	*	*	604	787
06:00	*	*	*	*	461	602	459	639	*	*	*	*	*	*	460	620
07:00	*	*	*	*	316	490	291	470	*	*	*	*	*	*	304	480
08:00	*	*	*	*	204	369	205	324	*	*	*	*	*	*	204	346
09:00	*	*	*	*	114	231	106	190	*	*	*	*	*	*	110	210
10:00	*	*	*	*	66	144	51	139	*	*	*	*	*	*	58	142
11:00	*	*	*	*	39	64	50	78	*	*	*	*	*	*	44	71
Lane	0	0	0	0	8462	8569	8403	8289	0	0	0	0	0	0	8433	8429
Day	0		0		17031		16692		0		0		0		16862	
AM Peak	-	-	-	-	07:00	11:00	07:00	11:00	-	-	-	-	-	-	07:00	11:00
Vol.	-	-	-	-	796	501	766	450	-	-	-	-	-	-	781	476
PM Peak	-	-	-	-	16:00	17:00	17:00	16:00	-	-	-	-	-	-	16:00	16:00
Vol.	-	-	-	-	626	798	641	793	-	-	-	-	-	-	618	795

Comb. Total 0 0 17031 16692 0 0 0 16862

Old Colony Planning Council
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Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

Start Time	09-Oct-19		EB		WB		Combined		10-Oct-		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			4	120	13	137	17	257		6	131	11	146	17	277	
12:15			2	127	10	142	12	269		6	95	15	140	21	235	
12:30			0	140	3	121	3	261		8	133	5	126	13	259	
12:45			3	140	6	126	9	266		2	127	4	115	6	242	
01:00			2	108	7	149	9	257		4	117	10	139	14	256	
01:15			6	144	4	134	10	278		5	107	5	135	10	242	
01:30			4	116	5	138	9	254		1	122	5	124	6	246	
01:45			2	104	3	147	5	251		0	125	4	120	4	245	
02:00			3	115	3	154	6	269		1	110	1	130	2	240	
02:15			5	132	1	143	6	275		4	126	4	133	8	259	
02:30			4	138	2	159	6	297		5	122	1	171	6	293	
02:45			13	161	5	170	18	331		5	142	0	168	5	310	
03:00			1	134	4	188	5	322		2	149	1	180	3	329	
03:15			4	125	3	188	7	313		3	144	3	188	6	332	
03:30			7	145	3	173	10	318		4	186	2	195	6	381	
03:45			6	162	3	189	9	351		7	138	3	186	10	324	
04:00			4	163	2	209	6	372		7	165	3	205	10	370	
04:15			16	147	4	201	20	348		20	130	6	206	26	336	
04:30			26	133	5	215	31	348		23	150	5	206	28	356	
04:45			36	183	10	172	46	355		46	165	8	176	54	341	
05:00			37	148	11	179	48	327		37	158	13	195	50	353	
05:15			45	117	21	212	66	329		36	149	18	211	54	360	
05:30			40	140	18	212	58	352		50	163	16	193	66	356	
05:45			63	162	32	195	95	357		62	171	35	177	97	348	
06:00			78	114	50	181	128	295		63	126	45	195	108	321	
06:15			103	125	60	144	163	269		88	129	69	169	157	298	
06:30			119	113	57	144	176	257		118	114	55	145	173	259	
06:45			141	109	92	133	233	242		148	90	70	130	218	220	
07:00			171	102	93	152	264	254		153	107	103	104	256	211	
07:15			178	89	129	118	307	207		176	71	103	137	279	208	
07:30			214	63	114	115	328	178		214	57	111	120	325	177	
07:45			233	62	100	105	333	167		223	56	100	109	323	165	
08:00			185	62	104	113	289	175		188	55	114	98	302	153	
08:15			211	54	111	108	322	162		201	50	127	94	328	144	
08:30			160	53	105	76	265	129		174	43	102	77	276	120	
08:45			216	35	94	72	310	107		199	57	91	55	290	112	
09:00			137	40	116	73	253	113		161	34	116	64	277	98	
09:15			132	31	100	55	232	86		126	19	108	48	234	67	
09:30			134	16	124	48	258	64		126	24	93	36	219	60	
09:45			148	27	97	55	245	82		144	29	82	42	226	71	
10:00			129	19	101	61	230	80		111	15	90	63	201	78	
10:15			138	23	96	42	234	65		124	15	98	35	222	50	
10:30			127	19	101	16	228	35		134	12	87	25	221	37	
10:45			144	5	93	25	237	30		141	9	92	16	233	25	
11:00			106	13	115	16	221	29		119	10	107	16	226	26	
11:15			123	11	130	13	253	24		155	12	101	18	256	30	
11:30			158	10	114	20	272	30		130	12	138	31	268	43	
11:45			140	5	142	15	282	20		156	16	104	13	260	29	
Total			3958	4504	2616	5953	6574	10457		3916	4487	2484	5805	6400	10292	
Day Total			8462		8569		17031			8403		8289		16692		
% Total			23.2%	26.4%	15.4%	35.0%				23.5%	26.9%	14.9%	34.8%			
Peak	-		07:30	04:00	11:00	03:45	07:30	04:00	-	07:30	05:00	07:30	03:45	07:30	05:00	
Vol.	-		843	626	501	814	1272	1423	-	826	641	452	803	1278	1417	
P.H.F.			0.905	0.855	0.882	0.947	0.955	0.956		0.926	0.937	0.890	0.975	0.974	0.957	

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	41	57	*	*	*	49
01:00	*	*	33	34	*	*	*	34
02:00	*	*	36	21	*	*	*	28
03:00	*	*	31	25	*	*	*	28
04:00	*	*	103	118	*	*	*	110
05:00	*	*	267	267	*	*	*	267
06:00	*	*	700	656	*	*	*	678
07:00	*	*	1232	1183	*	*	*	1208
08:00	*	*	1186	1196	*	*	*	1191
09:00	*	*	988	956	*	*	*	972
10:00	*	*	929	877	*	*	*	903
11:00	*	*	1028	1010	*	*	*	1019
12:00 PM	*	*	1053	1013	*	*	*	1033
01:00	*	*	1040	989	*	*	*	1014
02:00	*	*	1172	1102	*	*	*	1137
03:00	*	*	1304	1366	*	*	*	1335
04:00	*	*	1423	1403	*	*	*	1413
05:00	*	*	1365	1417	*	*	*	1391
06:00	*	*	1063	1098	*	*	*	1080
07:00	*	*	806	761	*	*	*	784
08:00	*	*	573	529	*	*	*	551
09:00	*	*	345	296	*	*	*	320
10:00	*	*	210	190	*	*	*	200
11:00	*	*	103	128	*	*	*	116
Total	0	0	17031	16692	0	0	0	
Percentage	0.0%	0.0%	101.0%	99.0%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	08:00	-	-	-	-
Vol.	-	-	1232	1196	-	-	-	-
PM Peak	-	-	16:00	17:00	-	-	-	-
Vol.	-	-	1423	1417	-	-	-	-

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Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	3	1	0	5	0	0	0	0	0	0	0	0	0	0	9
01:00	4	4	2	3	1	0	0	0	0	0	0	0	0	0	14
02:00	11	3	8	2	1	0	0	0	0	0	0	0	0	0	25
03:00	7	3	7	0	0	1	0	0	0	0	0	0	0	0	18
04:00	49	7	15	10	1	0	0	0	0	0	0	0	0	0	82
05:00	101	46	30	8	0	0	0	0	0	0	0	0	0	0	185
06:00	261	131	44	5	0	0	0	0	0	0	0	0	0	0	441
07:00	711	72	13	0	0	0	0	0	0	0	0	0	0	0	796
08:00	657	99	15	1	0	0	0	0	0	0	0	0	0	0	772
09:00	377	145	26	3	0	0	0	0	0	0	0	0	0	0	551
10:00	398	111	27	2	0	0	0	0	0	0	0	0	0	0	538
11:00	387	105	31	3	0	0	0	0	0	1	0	0	0	0	527
12 PM	367	130	25	5	0	0	0	0	0	0	0	0	0	0	527
13:00	323	123	23	3	0	0	0	0	0	0	0	0	0	0	472
14:00	445	88	13	0	0	0	0	0	0	0	0	0	0	0	546
15:00	500	57	8	0	0	0	0	0	0	0	0	0	0	0	566
16:00	524	85	14	1	0	0	0	0	0	0	0	0	0	2	626
17:00	499	60	7	1	0	0	0	0	0	0	0	0	0	0	567
18:00	361	87	13	0	0	0	0	0	0	0	0	0	0	0	461
19:00	227	67	20	2	0	0	0	0	0	0	0	0	0	0	316
20:00	113	58	30	3	0	0	0	0	0	0	0	0	0	0	204
21:00	48	42	17	6	0	0	1	0	0	0	0	0	0	0	114
22:00	21	21	21	3	0	0	0	0	0	0	0	0	0	0	66
23:00	19	9	8	2	1	0	0	0	0	0	0	0	0	0	39
Total	6413	1554	417	68	4	1	1	0	0	1	0	0	0	3	8462

Daily

15th Percentile :	6 MPH
50th Percentile :	23 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH

Mean Speed(Average) :	23 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	2470
Percent in Pace :	29.2%
Number of Vehicles > 30 MPH :	2965
Percent of Vehicles > 30 MPH :	35.0%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	8	2	8	4	0	0	0	0	0	0	0	0	0	0	22
01:00	0	2	5	2	1	0	0	0	0	0	0	0	0	0	10
02:00	3	4	5	2	1	0	0	0	0	0	0	0	0	0	15
03:00	2	5	7	2	0	0	0	0	0	0	0	0	0	0	16
04:00	60	15	11	9	1	0	0	0	0	0	0	0	0	0	96
05:00	105	40	32	8	0	0	0	0	0	0	0	0	0	0	185
06:00	249	131	32	5	0	0	0	0	0	0	0	0	0	0	417
07:00	622	103	37	2	1	0	0	1	0	0	0	0	0	0	766
08:00	629	111	20	2	0	0	0	0	0	0	0	0	0	0	762
09:00	336	130	78	12	1	0	0	0	0	0	0	0	0	0	557
10:00	273	136	79	21	1	0	0	0	0	0	0	0	0	0	510
11:00	316	159	72	12	1	0	0	0	0	0	0	0	0	0	560
12 PM	246	179	51	10	0	0	0	0	0	0	0	0	0	0	486
13:00	274	123	61	8	3	1	0	0	1	0	0	0	0	0	471
14:00	346	106	42	6	0	0	0	0	0	0	0	0	0	0	500
15:00	489	103	21	3	1	0	0	0	0	0	0	0	0	0	617
16:00	442	120	44	2	1	0	0	0	0	0	0	0	0	1	610
17:00	509	103	27	2	0	0	0	0	0	0	0	0	0	0	641
18:00	353	84	20	2	0	0	0	0	0	0	0	0	0	0	459
19:00	155	98	33	5	0	0	0	0	0	0	0	0	0	0	291
20:00	73	74	45	13	0	0	0	0	0	0	0	0	0	0	205
21:00	32	28	38	6	2	0	0	0	0	0	0	0	0	0	106
22:00	15	12	16	7	1	0	0	0	0	0	0	0	0	0	51
23:00	14	11	16	8	1	0	0	0	0	0	0	0	0	0	50
Total	5551	1879	800	153	16	1	0	1	1	1	0	0	0	1	8403

Daily
 15th Percentile : 7 MPH
 50th Percentile : 26 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2679
 Percent in Pace : 31.9%
 Number of Vehicles > 30 MPH : 3645
 Percent of Vehicles > 30 MPH : 43.4%

Grand Total	11964	3433	1217	221	20	2	1	1	1	1	0	0	0	4	16865
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Overall
 15th Percentile : 7 MPH
 50th Percentile : 24 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 5142
 Percent in Pace : 30.5%
 Number of Vehicles > 30 MPH : 6610
 Percent of Vehicles > 30 MPH : 39.2%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

WB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999		
10/09/19	16	2	4	8	1	1	0	0	0	0	0	0	0	0	0	32
01:00	2	4	6	5	2	0	0	0	0	0	0	0	0	0	0	19
02:00	1	0	3	1	1	2	2	1	0	0	0	0	0	0	0	11
03:00	3	0	2	6	1	1	0	0	0	0	0	0	0	0	0	13
04:00	4	3	9	4	0	1	0	0	0	0	0	0	0	0	0	21
05:00	19	7	29	20	7	0	0	0	0	0	0	0	0	0	0	82
06:00	51	81	96	28	2	1	0	0	0	0	0	0	0	0	0	259
07:00	239	113	69	14	0	0	0	0	0	0	0	0	0	0	1	436
08:00	236	108	63	7	0	0	0	0	0	0	0	0	0	0	0	414
09:00	237	115	78	7	0	0	0	0	0	0	0	0	0	0	0	437
10:00	269	72	43	7	0	0	0	0	0	0	0	0	0	0	0	391
11:00	323	104	66	8	0	0	0	0	0	0	0	0	0	0	0	501
12 PM	336	122	56	10	2	0	0	0	0	0	0	0	0	0	0	526
13:00	400	111	50	6	1	0	0	0	0	0	0	0	0	0	0	568
14:00	459	114	46	5	1	0	0	0	0	0	0	0	0	0	1	626
15:00	656	68	13	0	0	1	0	0	0	0	0	0	0	0	0	738
16:00	703	73	17	3	1	0	0	0	0	0	0	0	0	0	0	797
17:00	729	55	13	1	0	0	0	0	0	0	0	0	0	0	0	798
18:00	490	83	26	3	0	0	0	0	0	0	0	0	0	0	0	602
19:00	351	81	47	11	0	0	0	0	0	0	0	0	0	0	0	490
20:00	198	91	66	14	0	0	0	0	0	0	0	0	0	0	0	369
21:00	109	40	62	16	4	0	0	0	0	0	0	0	0	0	0	231
22:00	55	31	35	19	4	0	0	0	0	0	0	0	0	0	0	144
23:00	35	6	14	5	3	1	0	0	0	0	0	0	0	0	0	64
Total	5921	1484	913	208	30	8	2	1	0	0	0	0	0	0	2	8569

Daily

15th Percentile :	7 MPH
50th Percentile :	25 MPH
85th Percentile :	39 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	25 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	2397
Percent in Pace :	28.0%
Number of Vehicles > 30 MPH :	3494
Percent of Vehicles > 30 MPH :	40.8%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	18	2	4	6	3	1	1	0	0	0	0	0	0	0	35
01:00	6	3	7	7	1	0	0	0	0	0	0	0	0	0	24
02:00	2	1	1	1	0	1	0	0	0	0	0	0	0	0	6
03:00	0	2	1	3	2	1	0	0	0	0	0	0	0	0	9
04:00	5	1	9	6	1	0	0	0	0	0	0	0	0	0	22
05:00	15	10	25	24	8	0	0	0	0	0	0	0	0	0	82
06:00	49	50	96	40	4	0	0	0	0	0	0	0	0	0	239
07:00	187	127	86	17	0	0	0	0	0	0	0	0	0	0	417
08:00	243	119	58	13	1	0	0	0	0	0	0	0	0	0	434
09:00	228	81	75	14	1	0	0	0	0	0	0	0	0	0	399
10:00	178	76	88	22	3	0	0	0	0	0	0	0	0	0	367
11:00	276	76	80	15	3	0	0	0	0	0	0	0	0	0	450
12 PM	317	107	77	22	3	0	0	1	7	0	0	0	0	0	527
13:00	309	91	95	20	3	0	0	0	0	0	0	0	0	0	518
14:00	398	114	74	13	2	0	0	0	0	0	0	1	0	0	602
15:00	598	109	36	5	1	0	0	0	0	0	0	0	0	0	749
16:00	617	113	53	7	2	0	0	0	0	0	0	0	0	1	793
17:00	629	115	28	3	0	0	0	0	0	0	0	1	0	0	776
18:00	458	108	64	9	0	0	0	0	0	0	0	0	0	0	639
19:00	322	84	51	11	2	0	0	0	0	0	0	0	0	0	470
20:00	142	74	73	30	5	0	0	0	0	0	0	0	0	0	324
21:00	90	31	39	26	4	0	0	0	0	0	0	0	0	0	190
22:00	61	23	36	17	2	0	0	0	0	0	0	0	0	0	139
23:00	27	16	18	13	4	0	0	0	0	0	0	0	0	0	78
Total	5175	1533	1174	344	55	3	1	1	0	0	0	2	0	1	8289

Daily
 15th Percentile : 8 MPH
 50th Percentile : 28 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 27 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2707
 Percent in Pace : 32.7%
 Number of Vehicles > 30 MPH : 3853
 Percent of Vehicles > 30 MPH : 46.5%

Grand Total	11096	3017	2087	552	85	11	3	2	0	0	0	2	0	3	16858
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Overall
 15th Percentile : 7 MPH
 50th Percentile : 26 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5104
 Percent in Pace : 30.3%
 Number of Vehicles > 30 MPH : 7347
 Percent of Vehicles > 30 MPH : 43.6%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	19	3	4	13	1	1	0	0	0	0	0	0	0	0	41
01:00	6	8	8	8	3	0	0	0	0	0	0	0	0	0	33
02:00	12	3	11	3	2	2	2	1	0	0	0	0	0	0	36
03:00	10	3	9	6	1	2	0	0	0	0	0	0	0	0	31
04:00	53	10	24	14	1	1	0	0	0	0	0	0	0	0	103
05:00	120	53	59	28	7	0	0	0	0	0	0	0	0	0	267
06:00	312	212	140	33	2	1	0	0	0	0	0	0	0	0	700
07:00	950	185	82	14	0	0	0	0	0	0	0	0	0	1	1232
08:00	893	207	78	8	0	0	0	0	0	0	0	0	0	0	1186
09:00	614	260	104	10	0	0	0	0	0	0	0	0	0	0	988
10:00	667	183	70	9	0	0	0	0	0	0	0	0	0	0	929
11:00	710	209	97	11	0	0	0	0	0	1	0	0	0	0	1028
12 PM	703	252	81	15	2	0	0	0	0	0	0	0	0	0	1053
13:00	723	234	73	9	1	0	0	0	0	0	0	0	0	0	1040
14:00	904	202	59	5	1	0	0	0	0	0	0	0	0	1	1172
15:00	1156	125	21	0	0	1	0	0	0	0	0	0	0	0	1304
16:00	1227	158	31	4	1	0	0	0	0	0	0	0	0	2	1423
17:00	1228	115	20	2	0	0	0	0	0	0	0	0	0	0	1365
18:00	851	170	39	3	0	0	0	0	0	0	0	0	0	0	1063
19:00	578	148	67	13	0	0	0	0	0	0	0	0	0	0	806
20:00	311	149	96	17	0	0	0	0	0	0	0	0	0	0	573
21:00	157	82	79	22	4	0	1	0	0	0	0	0	0	0	345
22:00	76	52	56	22	4	0	0	0	0	0	0	0	0	0	210
23:00	54	15	22	7	4	1	0	0	0	0	0	0	0	0	103
Total	12334	3038	1330	276	34	9	3	1	0	1	0	0	0	5	17031

Daily

15th Percentile :	7 MPH
50th Percentile :	24 MPH
85th Percentile :	38 MPH
95th Percentile :	43 MPH

Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	4800
Percent in Pace :	28.2%
Number of Vehicles > 30 MPH :	6459
Percent of Vehicles > 30 MPH :	37.9%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	26	4	12	10	3	1	1	0	0	0	0	0	0	0	57
01:00	6	5	12	9	2	0	0	0	0	0	0	0	0	0	34
02:00	5	5	6	3	1	1	0	0	0	0	0	0	0	0	21
03:00	2	7	8	5	2	1	0	0	0	0	0	0	0	0	25
04:00	65	16	20	15	2	0	0	0	0	0	0	0	0	0	118
05:00	120	50	57	32	8	0	0	0	0	0	0	0	0	0	267
06:00	298	181	128	45	4	0	0	0	0	0	0	0	0	0	656
07:00	809	230	123	19	1	0	0	1	0	0	0	0	0	0	1183
08:00	872	230	78	15	1	0	0	0	0	0	0	0	0	0	1196
09:00	564	211	153	26	2	0	0	0	0	0	0	0	0	0	956
10:00	451	212	167	43	4	0	0	0	0	0	0	0	0	0	877
11:00	592	235	152	27	4	0	0	0	0	0	0	0	0	0	1010
12 PM	563	286	128	32	3	0	0	1	0	0	0	0	0	0	1013
13:00	583	214	156	28	6	1	0	0	1	0	0	0	0	0	989
14:00	744	220	116	19	2	0	0	0	0	0	0	1	0	0	1102
15:00	1087	212	57	8	2	0	0	0	0	0	0	0	0	0	1366
16:00	1059	233	97	9	3	0	0	0	0	0	0	0	0	2	1403
17:00	1138	218	55	5	0	0	0	0	0	0	0	1	0	0	1417
18:00	811	192	84	11	0	0	0	0	0	0	0	0	0	0	1098
19:00	477	182	84	16	2	0	0	0	0	0	0	0	0	0	761
20:00	215	148	118	43	5	0	0	0	0	0	0	0	0	0	529
21:00	122	59	77	32	6	0	0	0	0	0	0	0	0	0	296
22:00	76	35	52	24	3	0	0	0	0	0	0	0	0	0	190
23:00	41	27	34	21	5	0	0	0	0	0	0	0	0	0	128
Total	10726	3412	1974	497	71	4	1	2	1	0	0	2	0	2	16692

Daily
 15th Percentile : 8 MPH
 50th Percentile : 27 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5386
 Percent in Pace : 32.3%
 Number of Vehicles > 30 MPH : 7498
 Percent of Vehicles > 30 MPH : 44.9%

Grand Total	23060	6450	3304	773	105	13	4	3	1	1	0	2	0	7	33723
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Overall
 15th Percentile : 7 MPH
 50th Percentile : 25 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9754
 Percent in Pace : 28.9%
 Number of Vehicles > 30 MPH : 13957
 Percent of Vehicles > 30 MPH : 41.4%

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Community: Hanover
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Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	5	3	1	0	0	0	0	0	0	0	0	0	9	1
01:00	2	10	1	0	1	0	0	0	0	0	0	0	0	14	1
02:00	0	20	1	0	4	0	0	0	0	0	0	0	0	25	4
03:00	0	11	2	1	4	0	0	0	0	0	0	0	0	18	5
04:00	0	50	20	0	12	0	0	0	0	0	0	0	0	82	12
05:00	1	117	41	1	22	2	0	1	0	0	0	0	0	185	26
06:00	7	275	89	9	55	2	0	3	1	0	0	0	0	441	70
07:00	24	514	156	6	74	11	2	2	1	0	0	0	0	790	96
08:00	8	491	171	8	66	12	0	7	4	0	0	0	0	767	97
09:00	11	364	111	4	49	4	0	1	3	0	0	0	0	547	61
10:00	17	350	105	4	49	8	0	1	0	0	0	0	0	534	62
11:00	6	339	114	5	46	6	1	1	2	0	0	0	0	520	61
12 PM	14	355	95	6	45	7	0	0	0	0	0	0	0	522	58
13:00	11	323	82	3	40	5	0	1	2	0	0	0	0	467	51
14:00	18	362	103	5	44	8	0	2	1	0	0	0	0	543	60
15:00	10	364	125	7	47	7	0	0	1	0	0	0	0	561	62
16:00	25	410	137	3	38	7	1	1	1	0	0	0	0	623	51
17:00	14	370	119	3	47	5	1	1	0	0	0	0	0	560	57
18:00	11	312	89	0	39	6	0	0	0	0	0	0	0	457	45
19:00	5	219	63	1	24	2	0	0	0	0	0	0	0	314	27
20:00	1	137	44	0	20	0	0	1	0	0	0	0	0	203	21
21:00	1	84	20	0	8	1	0	0	0	0	0	0	0	114	9
22:00	1	55	6	0	4	0	0	0	0	0	0	0	0	66	4
23:00	0	25	6	0	6	1	0	0	1	0	0	0	0	39	8
Total	187	5562	1703	67	744	94	5	22	17	0	0	0	0	8401	949
Percent	2.2%	66.2%	20.3%	0.8%	8.9%	1.1%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		11.3%
AM Peak	07:00	07:00	08:00	06:00	07:00	08:00	07:00	08:00	08:00					07:00	08:00
Vol.	24	514	171	9	74	12	2	7	4					790	97
PM Peak	16:00	16:00	16:00	15:00	15:00	14:00	16:00	14:00	13:00					16:00	15:00
Vol.	25	410	137	7	47	8	1	2	2					623	62

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	14	5	0	3	0	0	0	0	0	0	0	0	22	3
01:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
02:00	0	9	3	0	3	0	0	0	0	0	0	0	0	15	3
03:00	0	9	4	0	3	0	0	0	0	0	0	0	0	16	3
04:00	1	59	22	1	13	0	0	0	0	0	0	0	0	96	14
05:00	1	107	46	2	28	1	0	0	0	0	0	0	0	185	31
06:00	2	273	83	8	45	0	0	3	0	0	0	0	0	414	56
07:00	23	518	146	4	63	6	0	1	1	0	0	0	0	762	75
08:00	18	477	181	8	63	8	0	0	0	0	0	0	0	755	79
09:00	7	234	208	4	84	8	0	4	3	0	0	0	0	552	103
10:00	5	186	223	1	81	4	0	0	2	0	0	0	0	502	88
11:00	6	243	216	2	83	7	0	1	1	0	0	0	0	559	94
12 PM	8	256	139	11	63	5	0	0	0	0	0	0	0	482	79
13:00	9	272	106	6	62	5	1	3	3	0	0	0	0	467	80
14:00	8	285	144	5	46	4	1	2	1	0	0	0	0	496	59
15:00	19	396	129	3	50	12	1	2	1	0	0	0	0	613	69
16:00	14	397	128	0	62	4	0	1	0	0	0	0	0	606	67
17:00	26	401	139	3	54	6	1	1	1	0	0	0	0	632	66
18:00	11	296	103	3	36	4	0	1	0	0	0	0	0	454	44
19:00	6	173	78	0	28	0	0	0	0	0	0	0	0	285	28
20:00	0	122	56	0	26	1	0	0	0	0	0	0	0	205	27
21:00	2	66	28	0	10	0	0	0	0	0	0	0	0	106	10
22:00	0	29	19	0	3	0	0	0	0	0	0	0	0	51	3
23:00	0	33	11	0	5	1	0	0	0	0	0	0	0	50	6
Total	166	4863	2219	61	914	76	4	19	13	0	0	0	0	8335	1087
Percent	2.0%	58.3%	26.6%	0.7%	11.0%	0.9%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		13.0%
AM Peak Vol.	23	518	223	8	84	8		4	3					762	103
PM Peak Vol.	26	401	144	11	63	12	1	3	3					632	80
Grand Total	353	10425	3922	128	1658	170	9	41	30	0	0	0	0	16736	2036
Percent	2.1%	62.3%	23.4%	0.8%	9.9%	1.0%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		12.2%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	26	3	0	3	0	0	0	0	0	0	0	0	32	3
01:00	0	14	1	0	3	0	0	0	1	0	0	0	0	19	4
02:00	0	3	7	0	1	0	0	0	0	0	0	0	0	11	1
03:00	0	3	6	0	4	0	0	0	0	0	0	0	0	13	4
04:00	0	11	3	1	6	0	0	0	0	0	0	0	0	21	7
05:00	1	40	25	0	16	0	0	0	0	0	0	0	0	82	16
06:00	1	156	58	4	36	1	0	2	0	0	0	0	0	258	43
07:00	11	263	96	6	48	3	0	1	5	0	0	0	0	433	63
08:00	12	218	121	12	40	6	1	0	0	0	0	0	0	410	59
09:00	7	257	99	7	47	6	1	4	3	0	0	0	0	431	68
10:00	8	238	85	1	50	4	0	0	1	0	0	0	0	387	56
11:00	9	320	98	4	52	3	1	6	2	0	0	0	0	495	68
12 PM	7	326	121	4	52	3	2	0	3	0	0	0	0	518	64
13:00	11	365	124	7	47	2	0	3	1	0	0	0	0	560	60
14:00	15	386	145	8	60	3	2	3	0	0	0	0	0	622	76
15:00	21	454	174	7	69	3	0	2	0	0	0	0	0	730	81
16:00	26	503	173	3	78	3	0	0	4	0	0	0	0	790	88
17:00	21	544	154	3	65	3	0	1	0	0	0	0	0	791	72
18:00	8	401	134	5	43	5	0	1	0	0	0	0	0	597	54
19:00	6	348	87	1	42	1	0	1	0	0	0	0	0	486	45
20:00	2	262	79	0	24	0	0	0	0	0	0	0	0	367	24
21:00	0	169	48	0	14	0	0	0	0	0	0	0	0	231	14
22:00	0	109	24	0	10	1	0	0	0	0	0	0	0	144	11
23:00	0	47	9	0	8	0	0	0	0	0	0	0	0	64	8
Total	166	5463	1874	73	818	47	7	24	20	0	0	0	0	8492	989
Percent	2.0%	64.3%	22.1%	0.9%	9.6%	0.6%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		11.6%
AM Peak Vol.	08:00	11:00	08:00	08:00	11:00	08:00	08:00	11:00	07:00					11:00	09:00
PM Peak Vol.	16:00	17:00	15:00	14:00	16:00	18:00	12:00	13:00	16:00					17:00	16:00
	12	320	121	12	52	6	1	6	5					495	68
	26	544	174	8	78	5	2	3	4					791	88

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	27	6	0	2	0	0	0	0	0	0	0	0	35	2
01:00	0	21	1	0	1	0	0	0	1	0	0	0	0	24	2
02:00	0	3	0	0	3	0	0	0	0	0	0	0	0	6	3
03:00	0	3	3	0	3	0	0	0	0	0	0	0	0	9	3
04:00	0	10	6	0	6	0	0	0	0	0	0	0	0	22	6
05:00	0	43	20	0	19	0	0	0	0	0	0	0	0	82	19
06:00	2	137	58	2	39	0	0	0	0	0	0	0	0	238	41
07:00	15	270	83	2	42	2	0	0	0	0	0	0	0	414	46
08:00	10	254	104	8	39	9	0	0	2	0	0	0	0	426	58
09:00	3	211	113	7	55	4	2	1	0	0	0	0	0	396	69
10:00	4	184	106	3	59	3	0	1	1	0	0	0	0	361	67
11:00	9	238	125	3	62	5	0	0	0	0	0	0	0	442	70
12 PM	9	285	161	4	57	3	2	0	1	0	0	0	0	522	67
13:00	3	279	146	5	74	3	2	1	3	0	0	0	0	516	88
14:00	6	346	178	4	60	1	0	1	0	0	0	0	0	596	66
15:00	20	439	200	11	68	4	1	1	1	0	0	0	0	745	86
16:00	16	480	201	4	82	3	0	1	0	0	0	0	0	787	90
17:00	29	462	190	9	77	4	0	1	1	0	0	0	0	773	92
18:00	14	390	169	1	53	3	1	1	0	0	0	0	0	632	59
19:00	6	266	138	0	58	0	0	0	0	0	0	0	0	468	58
20:00	2	208	81	1	32	0	0	0	0	0	0	0	0	324	33
21:00	0	116	54	0	19	0	0	0	0	0	0	0	0	189	19
22:00	0	90	36	0	13	0	0	0	0	0	0	0	0	139	13
23:00	0	43	26	0	9	0	0	0	0	0	0	0	0	78	9
Total	148	4805	2205	64	932	44	8	8	10	0	0	0	0	8224	1066
Percent	1.8%	58.4%	26.8%	0.8%	11.3%	0.5%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		13.0%
AM Peak Vol.	15	270	125	8	62	9	2	1	2					442	70
PM Peak Vol.	29	480	201	11	82	4	2	1	3					787	92
Grand Total	314	10268	4079	137	1750	91	15	32	30	0	0	0	0	16716	2055
Percent	1.9%	61.4%	24.4%	0.8%	10.5%	0.5%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		12.3%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	31	6	1	3	0	0	0	0	0	0	0	0	41	4
01:00	2	24	2	0	4	0	0	0	1	0	0	0	0	33	5
02:00	0	23	8	0	5	0	0	0	0	0	0	0	0	36	5
03:00	0	14	8	1	8	0	0	0	0	0	0	0	0	31	9
04:00	0	61	23	1	18	0	0	0	0	0	0	0	0	103	19
05:00	2	157	66	1	38	2	0	1	0	0	0	0	0	267	42
06:00	8	431	147	13	91	3	0	5	1	0	0	0	0	699	113
07:00	35	777	252	12	122	14	2	3	6	0	0	0	0	1223	159
08:00	20	709	292	20	106	18	1	7	4	0	0	0	0	1177	156
09:00	18	621	210	11	96	10	1	5	6	0	0	0	0	978	129
10:00	25	588	190	5	99	12	0	1	1	0	0	0	0	921	118
11:00	15	659	212	9	98	9	2	7	4	0	0	0	0	1015	129
12 PM	21	681	216	10	97	10	2	0	3	0	0	0	0	1040	122
13:00	22	688	206	10	87	7	0	4	3	0	0	0	0	1027	111
14:00	33	748	248	13	104	11	2	5	1	0	0	0	0	1165	136
15:00	31	818	299	14	116	10	0	2	1	0	0	0	0	1291	143
16:00	51	913	310	6	116	10	1	1	5	0	0	0	0	1413	139
17:00	35	914	273	6	112	8	1	2	0	0	0	0	0	1351	129
18:00	19	713	223	5	82	11	0	1	0	0	0	0	0	1054	99
19:00	11	567	150	2	66	3	0	1	0	0	0	0	0	800	72
20:00	3	399	123	0	44	0	0	1	0	0	0	0	0	570	45
21:00	1	253	68	0	22	1	0	0	0	0	0	0	0	345	23
22:00	1	164	30	0	14	1	0	0	0	0	0	0	0	210	15
23:00	0	72	15	0	14	1	0	0	1	0	0	0	0	103	16
Total	353	11025	3577	140	1562	141	12	46	37	0	0	0	0	16893	1938
Percent	2.1%	65.3%	21.2%	0.8%	9.2%	0.8%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		11.5%
AM Peak	07:00	07:00	08:00	08:00	07:00	08:00	07:00	08:00	07:00					07:00	07:00
Vol.	35	777	292	20	122	18	2	7	6					1223	159
PM Peak	16:00	17:00	16:00	15:00	15:00	14:00	12:00	14:00	16:00					16:00	15:00
Vol.	51	914	310	14	116	11	2	5	5					1413	143

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), west of Main St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	41	11	0	5	0	0	0	0	0	0	0	0	57	5
01:00	0	29	3	0	1	0	0	0	1	0	0	0	0	34	2
02:00	0	12	3	0	6	0	0	0	0	0	0	0	0	21	6
03:00	0	12	7	0	6	0	0	0	0	0	0	0	0	25	6
04:00	1	69	28	1	19	0	0	0	0	0	0	0	0	118	20
05:00	1	150	66	2	47	1	0	0	0	0	0	0	0	267	50
06:00	4	410	141	10	84	0	0	3	0	0	0	0	0	652	97
07:00	38	788	229	6	105	8	0	1	1	0	0	0	0	1176	121
08:00	28	731	285	16	102	17	0	0	2	0	0	0	0	1181	137
09:00	10	445	321	11	139	12	2	5	3	0	0	0	0	948	172
10:00	9	370	329	4	140	7	0	1	3	0	0	0	0	863	155
11:00	15	481	341	5	145	12	0	1	1	0	0	0	0	1001	164
12 PM	17	541	300	15	120	8	2	0	1	0	0	0	0	1004	146
13:00	12	551	252	11	136	8	3	4	6	0	0	0	0	983	168
14:00	14	631	322	9	106	5	1	3	1	0	0	0	0	1092	125
15:00	39	835	329	14	118	16	2	3	2	0	0	0	0	1358	155
16:00	30	877	329	4	144	7	0	2	0	0	0	0	0	1393	157
17:00	55	863	329	12	131	10	1	2	2	0	0	0	0	1405	158
18:00	25	686	272	4	89	7	1	2	0	0	0	0	0	1086	103
19:00	12	439	216	0	86	0	0	0	0	0	0	0	0	753	86
20:00	2	330	137	1	58	1	0	0	0	0	0	0	0	529	60
21:00	2	182	82	0	29	0	0	0	0	0	0	0	0	295	29
22:00	0	119	55	0	16	0	0	0	0	0	0	0	0	190	16
23:00	0	76	37	0	14	1	0	0	0	0	0	0	0	128	15
Total	314	9668	4424	125	1846	120	12	27	23	0	0	0	0	16559	2153
Percent	1.9%	58.4%	26.7%	0.8%	11.1%	0.7%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		13.0%
AM Peak Vol.	38	788	341	16	145	17	2	5	3					1181	172
PM Peak Vol.	55	877	329	15	144	16	3	4	6					1405	168
Grand Total	667	20693	8001	265	3408	261	24	73	60	0	0	0	0	33452	4091
Percent	2.0%	61.9%	23.9%	0.8%	10.2%	0.8%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		12.2%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

Start Time	07-Oct-19		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	*	*	*	*	9	24	32	24	*	*	*	*	*	*	20	24
01:00	*	*	*	*	10	20	9	20	*	*	*	*	*	*	10	20
02:00	*	*	*	*	18	13	13	8	*	*	*	*	*	*	16	10
03:00	*	*	*	*	12	16	16	12	*	*	*	*	*	*	14	14
04:00	*	*	*	*	29	31	35	30	*	*	*	*	*	*	32	30
05:00	*	*	*	*	95	125	99	127	*	*	*	*	*	*	97	126
06:00	*	*	*	*	304	335	283	300	*	*	*	*	*	*	294	318
07:00	*	*	*	*	558	639	547	660	*	*	*	*	*	*	552	650
08:00	*	*	*	*	574	520	594	528	*	*	*	*	*	*	584	524
09:00	*	*	*	*	464	469	451	459	*	*	*	*	*	*	458	464
10:00	*	*	*	*	426	409	399	387	*	*	*	*	*	*	412	398
11:00	*	*	*	*	429	447	472	425	*	*	*	*	*	*	450	436
12:00 PM	*	*	*	*	453	488	463	485	*	*	*	*	*	*	458	486
01:00	*	*	*	*	409	486	382	471	*	*	*	*	*	*	396	478
02:00	*	*	*	*	504	548	442	521	*	*	*	*	*	*	473	534
03:00	*	*	*	*	644	605	563	647	*	*	*	*	*	*	604	626
04:00	*	*	*	*	695	692	577	653	*	*	*	*	*	*	636	672
05:00	*	*	*	*	514	673	593	619	*	*	*	*	*	*	554	646
06:00	*	*	*	*	498	468	402	501	*	*	*	*	*	*	450	484
07:00	*	*	*	*	332	333	266	314	*	*	*	*	*	*	299	324
08:00	*	*	*	*	245	277	194	256	*	*	*	*	*	*	220	266
09:00	*	*	*	*	128	167	101	131	*	*	*	*	*	*	114	149
10:00	*	*	*	*	63	105	54	94	*	*	*	*	*	*	58	100
11:00	*	*	*	*	35	40	53	53	*	*	*	*	*	*	44	46
Lane	0	0	0	0	7448	7930	7040	7725	0	0	0	0	0	0	7245	7825
Day	0		0		15378		14765		0		0		0		15070	
AM Peak	-	-	-	-	08:00	07:00	08:00	07:00	-	-	-	-	-	-	08:00	07:00
Vol.	-	-	-	-	574	639	594	660	-	-	-	-	-	-	584	650
PM Peak	-	-	-	-	16:00	16:00	17:00	16:00	-	-	-	-	-	-	16:00	16:00
Vol.	-	-	-	-	695	692	593	653	-	-	-	-	-	-	636	672

Comb. Total 0 0 15378 14765 0 0 0 15070

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

Start Time	09-Oct-19		EB		WB		Combined		10-Oct-		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			3	104	10	122	13	226		12	135	9	144	21	279	
12:15			2	120	6	135	8	255		8	98	10	110	18	208	
12:30			1	109	3	106	4	215		7	123	4	120	11	243	
12:45			3	120	5	125	8	245		5	107	1	111	6	218	
01:00			1	96	7	121	8	217		4	90	7	113	11	203	
01:15			2	103	6	119	8	222		4	98	5	122	9	220	
01:30			4	120	3	123	7	243		1	90	4	119	5	209	
01:45			3	90	4	123	7	213		0	104	4	117	4	221	
02:00			3	96	3	125	6	221		1	100	1	114	2	214	
02:15			5	117	3	135	8	252		4	109	5	123	9	232	
02:30			2	131	2	140	4	271		5	86	1	141	6	227	
02:45			8	160	5	148	13	308		3	147	1	143	4	290	
03:00			0	150	4	151	4	301		3	135	1	158	4	293	
03:15			4	155	3	133	7	288		2	117	4	153	6	270	
03:30			4	143	4	159	8	302		3	166	2	160	5	326	
03:45			4	196	5	162	9	358		8	145	5	176	13	321	
04:00			3	187	2	186	5	373		3	146	2	199	5	345	
04:15			5	163	5	171	10	334		5	135	5	152	10	287	
04:30			12	136	9	185	21	321		10	142	9	159	19	301	
04:45			9	209	15	150	24	359		17	154	14	143	31	297	
05:00			14	136	21	218	35	354		16	161	22	161	38	322	
05:15			23	100	31	175	54	275		25	146	28	166	53	312	
05:30			20	102	29	157	49	259		28	150	34	156	62	306	
05:45			38	176	44	123	82	299		30	136	43	136	73	272	
06:00			45	144	64	121	109	265		39	97	48	145	87	242	
06:15			77	128	78	119	155	247		68	111	84	115	152	226	
06:30			90	118	72	123	162	241		86	98	70	128	156	226	
06:45			92	108	121	105	213	213		90	96	98	113	188	209	
07:00			121	102	131	108	252	210		108	103	151	79	259	182	
07:15			109	96	179	66	288	162		117	64	158	98	275	162	
07:30			163	74	176	71	339	145		169	53	180	64	349	117	
07:45			165	60	153	88	318	148		153	46	171	73	324	119	
08:00			131	66	144	81	275	147		145	51	134	73	279	124	
08:15			145	68	151	66	296	134		135	49	163	79	298	128	
08:30			127	63	117	77	244	140		142	51	121	62	263	113	
08:45			171	48	108	53	279	101		172	43	110	42	282	85	
09:00			122	43	130	67	252	110		125	32	126	45	251	77	
09:15			112	42	120	44	232	86		113	22	120	36	233	58	
09:30			105	21	111	29	216	50		111	23	112	22	223	45	
09:45			125	22	108	27	233	49		102	24	101	28	203	52	
10:00			107	23	114	38	221	61		89	14	102	40	191	54	
10:15			101	20	95	35	196	55		84	17	103	24	187	41	
10:30			106	12	106	14	212	26		121	11	97	14	218	25	
10:45			112	8	94	18	206	26		105	12	85	16	190	28	
11:00			95	10	116	10	211	20		90	11	95	13	185	24	
11:15			110	9	106	8	216	17		137	14	93	14	230	28	
11:30			110	9	109	14	219	23		128	13	127	20	255	33	
11:45			114	7	116	8	230	15		117	15	110	6	227	21	
Total			2928	4520	3048	4882	5976	9402		2950	4090	2980	4745	5930	8835	
Day Total			7448		7930		15378			7040		7725		14765		
% Total			19.0%	29.4%	19.8%	31.7%				20.0%	27.7%	20.2%	32.1%			
Peak	-		07:30	04:00	07:15	04:30	07:30	04:00	-	07:30	04:45	07:00	03:15	07:30	03:30	
Vol.	-		604	695	652	728	1228	1387	-	602	611	660	688	1250	1279	
P.H.F.			0.915	0.831	0.911	0.835	0.906	0.930		0.891	0.949	0.917	0.864	0.895	0.927	

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	33	56	*	*	*	44
01:00	*	*	30	29	*	*	*	30
02:00	*	*	31	21	*	*	*	26
03:00	*	*	28	28	*	*	*	28
04:00	*	*	60	65	*	*	*	62
05:00	*	*	220	226	*	*	*	223
06:00	*	*	639	583	*	*	*	611
07:00	*	*	1197	1207	*	*	*	1202
08:00	*	*	1094	1122	*	*	*	1108
09:00	*	*	933	910	*	*	*	922
10:00	*	*	835	786	*	*	*	810
11:00	*	*	876	897	*	*	*	886
12:00 PM	*	*	941	948	*	*	*	944
01:00	*	*	895	853	*	*	*	874
02:00	*	*	1052	963	*	*	*	1008
03:00	*	*	1249	1210	*	*	*	1230
04:00	*	*	1387	1230	*	*	*	1308
05:00	*	*	1187	1212	*	*	*	1200
06:00	*	*	966	903	*	*	*	934
07:00	*	*	665	580	*	*	*	622
08:00	*	*	522	450	*	*	*	486
09:00	*	*	295	232	*	*	*	264
10:00	*	*	168	148	*	*	*	158
11:00	*	*	75	106	*	*	*	90
Total	0	0	15378	14765	0	0	0	
Percentage	0.0%	0.0%	102.0%	98.0%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	1197	1207	-	-	-	-
PM Peak	-	-	16:00	16:00	-	-	-	-
Vol.	-	-	1387	1230	-	-	-	-

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	0	1	3	3	1	1	0	0	0	0	0	0	0	0	9
01:00	0	5	2	1	2	0	0	0	0	0	0	0	0	0	10
02:00	3	1	7	3	3	0	1	0	0	0	0	0	0	0	18
03:00	0	2	6	4	0	0	0	0	0	0	0	0	0	0	12
04:00	0	1	12	12	3	1	0	0	0	0	0	0	0	0	29
05:00	5	24	42	21	3	0	0	0	0	0	0	0	0	0	95
06:00	47	121	107	25	4	0	0	0	0	0	0	0	0	0	304
07:00	178	244	127	9	0	0	0	0	0	0	0	0	0	0	558
08:00	224	239	105	4	1	0	0	0	0	0	1	0	0	0	574
09:00	101	197	150	15	1	0	0	0	0	0	0	0	0	0	464
10:00	95	168	140	21	0	0	0	0	0	0	0	1	0	1	426
11:00	96	167	143	21	2	0	0	0	0	0	0	0	0	0	429
12 PM	97	178	153	23	2	0	0	0	0	0	0	0	0	0	453
13:00	118	157	116	15	2	0	0	0	0	0	1	0	0	0	409
14:00	275	142	74	10	2	0	0	1	0	0	0	0	0	0	504
15:00	342	224	72	5	1	0	0	0	0	0	0	0	0	0	644
16:00	307	266	110	11	1	0	0	0	0	0	0	0	0	0	695
17:00	241	194	68	9	1	1	0	0	0	0	0	0	0	0	514
18:00	201	212	80	5	0	0	0	0	0	0	0	0	0	0	498
19:00	130	122	64	14	2	0	0	0	0	0	0	0	0	0	332
20:00	96	60	75	12	2	0	0	0	0	0	0	0	0	0	245
21:00	34	37	43	11	2	0	1	0	0	0	0	0	0	0	128
22:00	9	13	27	12	2	0	0	0	0	0	0	0	0	0	63
23:00	9	9	8	6	2	1	0	0	0	0	0	0	0	0	35
Total	2608	2784	1734	272	39	4	2	1	0	0	2	1	0	1	7448

Daily

15th Percentile :	14 MPH
50th Percentile :	37 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4518
Percent in Pace :	60.7%
Number of Vehicles > 40 MPH :	2056
Percent of Vehicles > 40 MPH :	27.6%

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

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	14	5	8	3	1	0	1	0	0	0	0	0	0	0	32
01:00	0	0	5	2	1	1	0	0	0	0	0	0	0	0	9
02:00	1	1	3	5	3	0	0	0	0	0	0	0	0	0	13
03:00	1	3	8	3	1	0	0	0	0	0	0	0	0	0	16
04:00	2	9	10	9	4	1	0	0	0	0	0	0	0	0	35
05:00	5	24	46	21	3	0	0	0	0	0	0	0	0	0	99
06:00	56	98	102	26	1	0	0	0	0	0	0	0	0	0	283
07:00	127	240	161	16	2	0	0	0	0	0	0	0	0	1	547
08:00	225	250	109	9	0	0	0	0	0	0	0	0	0	1	594
09:00	94	195	136	25	1	0	0	0	0	0	0	0	0	0	451
10:00	63	138	163	33	2	0	0	0	0	0	0	0	0	0	399
11:00	92	195	157	28	0	0	0	0	0	0	0	0	0	0	472
12 PM	99	185	163	16	0	0	0	0	0	0	0	0	0	0	463
13:00	96	141	122	19	3	0	0	0	0	1	0	0	0	0	382
14:00	162	146	112	20	2	0	0	0	0	0	0	0	0	0	442
15:00	262	194	85	19	2	0	0	1	0	0	0	0	0	0	563
16:00	202	220	136	16	0	2	0	1	0	0	0	0	0	0	577
17:00	262	215	99	13	1	2	0	0	0	0	0	0	0	1	593
18:00	157	152	75	15	0	1	0	0	0	0	0	0	0	2	402
19:00	77	80	94	11	2	1	0	0	0	0	0	0	1	0	266
20:00	48	42	77	20	5	1	0	0	0	0	0	0	0	1	194
21:00	30	21	31	16	2	1	0	0	0	0	0	0	0	0	101
22:00	15	12	20	7	0	0	0	0	0	0	0	0	0	0	54
23:00	14	12	19	6	2	0	0	0	0	0	0	0	0	0	53
Total	2104	2578	1941	358	38	10	1	2	0	1	0	0	1	6	7040

Daily
 15th Percentile : 17 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4519
 Percent in Pace : 64.2%
 Number of Vehicles > 40 MPH : 2358
 Percent of Vehicles > 40 MPH : 33.5%

Grand Total	4712	5362	3675	630	77	14	3	3	0	1	2	1	1	7	14488
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Overall
 15th Percentile : 16 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 45 MPH

Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9037
 Percent in Pace : 62.4%
 Number of Vehicles > 40 MPH : 4414
 Percent of Vehicles > 40 MPH : 30.5%

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Station ID:
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 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

WB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	999	Total
10/09/19	2	9	8	3	0	1	1	0	0	0	0	0	0	0	0	24
01:00	4	5	9	2	0	0	0	0	0	0	0	0	0	0	0	20
02:00	2	1	4	1	3	2	0	0	0	0	0	0	0	0	0	13
03:00	4	2	6	4	0	0	0	0	0	0	0	0	0	0	0	16
04:00	13	8	7	2	1	0	0	0	0	0	0	0	0	0	0	31
05:00	42	37	34	11	1	0	0	0	0	0	0	0	0	0	0	125
06:00	100	98	117	18	1	1	0	0	0	0	0	0	0	0	0	335
07:00	270	218	133	17	0	0	0	0	0	0	1	0	0	0	0	639
08:00	239	158	108	13	2	0	0	0	0	0	0	0	0	0	0	520
09:00	127	200	127	12	2	0	1	0	0	0	0	0	0	0	0	469
10:00	143	153	97	15	0	0	0	0	0	0	0	0	0	0	1	409
11:00	118	186	120	19	3	0	0	0	1	0	0	0	0	0	0	447
12 PM	110	214	149	14	0	0	0	0	0	0	0	0	0	0	1	488
13:00	111	209	145	17	1	1	0	0	1	1	0	0	0	0	0	486
14:00	195	204	128	19	2	0	0	0	0	0	0	0	0	0	0	548
15:00	273	256	65	9	0	1	0	0	0	0	0	0	0	0	1	605
16:00	323	271	94	3	1	0	0	0	0	0	0	0	0	0	0	692
17:00	292	259	111	7	0	1	0	0	0	0	0	0	0	0	3	673
18:00	184	200	78	4	1	0	0	0	0	0	0	0	0	0	1	468
19:00	111	131	81	5	3	0	1	0	0	0	0	0	0	1	0	333
20:00	80	133	56	8	0	0	0	0	0	0	0	0	0	0	0	277
21:00	29	69	58	9	2	0	0	0	0	0	0	0	0	0	0	167
22:00	14	38	43	9	1	0	0	0	0	0	0	0	0	0	0	105
23:00	8	15	8	6	2	1	0	0	0	0	0	0	0	0	0	40
Total	2794	3074	1786	227	26	8	3	0	2	1	1	0	1	7	7930	

Daily

15th Percentile :	14 MPH
50th Percentile :	36 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4860
Percent in Pace :	61.3%
Number of Vehicles > 40 MPH :	2062
Percent of Vehicles > 40 MPH :	26.0%

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Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	4	6	8	2	4	0	0	0	0	0	0	0	0	0	24
01:00	1	9	9	1	0	0	0	0	0	0	0	0	0	0	20
02:00	2	2	3	1	0	0	0	0	0	0	0	0	0	0	8
03:00	2	4	3	2	1	0	0	0	0	0	0	0	0	0	12
04:00	9	4	14	2	1	0	0	0	0	0	0	0	0	0	30
05:00	46	29	39	12	1	0	0	0	0	0	0	0	0	0	127
06:00	93	86	94	24	2	0	0	0	0	0	0	0	0	1	300
07:00	257	243	143	13	2	1	0	1	0	0	0	0	0	0	660
08:00	223	187	103	12	0	0	0	0	0	1	1	0	0	1	528
09:00	137	208	102	10	2	0	0	0	0	0	0	0	0	0	459
10:00	90	140	135	18	1	1	0	0	0	0	0	0	1	1	387
11:00	102	165	131	24	1	1	0	0	1	0	0	0	0	0	425
12 PM	121	197	144	20	1	0	0	1	0	0	0	0	0	1	485
13:00	107	177	150	36	1	0	0	0	0	0	0	0	0	0	471
14:00	157	203	137	20	1	0	0	1	0	0	0	0	0	2	521
15:00	257	243	133	12	1	0	1	0	0	0	0	0	0	0	647
16:00	218	248	166	15	1	2	0	0	1	0	1	0	0	1	653
17:00	208	251	147	10	1	0	0	0	0	0	1	0	0	1	619
18:00	165	203	116	14	2	0	0	0	0	0	0	0	0	1	501
19:00	99	129	79	6	1	0	0	0	0	0	0	0	0	0	314
20:00	62	106	79	6	3	0	0	0	0	0	0	0	0	0	256
21:00	12	64	46	9	0	0	0	0	0	0	0	0	0	0	131
22:00	13	36	43	2	0	0	0	0	0	0	0	0	0	0	94
23:00	10	13	19	9	1	1	0	0	0	0	0	0	0	0	53
Total	2395	2953	2043	280	28	6	1	3	2	1	3	0	1	9	7725

Daily
 15th Percentile : 16 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4996
 Percent in Pace : 64.7%
 Number of Vehicles > 40 MPH : 2377
 Percent of Vehicles > 40 MPH : 30.8%

Grand Total	5189	6027	3829	507	54	14	4	3	4	2	4	0	2	16	15655
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Overall
 15th Percentile : 15 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9856
 Percent in Pace : 63.0%
 Number of Vehicles > 40 MPH : 4439
 Percent of Vehicles > 40 MPH : 28.4%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	2	10	11	6	1	2	1	0	0	0	0	0	0	0	33
01:00	4	10	11	3	2	0	0	0	0	0	0	0	0	0	30
02:00	5	2	11	4	6	2	1	0	0	0	0	0	0	0	31
03:00	4	4	12	8	0	0	0	0	0	0	0	0	0	0	28
04:00	13	9	19	14	4	1	0	0	0	0	0	0	0	0	60
05:00	47	61	76	32	4	0	0	0	0	0	0	0	0	0	220
06:00	147	219	224	43	5	1	0	0	0	0	0	0	0	0	639
07:00	448	462	260	26	0	0	0	0	0	0	1	0	0	0	1197
08:00	463	397	213	17	3	0	0	0	0	0	1	0	0	0	1094
09:00	228	397	277	27	3	0	1	0	0	0	0	0	0	0	933
10:00	238	321	237	36	0	0	0	0	0	0	0	1	0	2	835
11:00	214	353	263	40	5	0	0	0	1	0	0	0	0	0	876
12 PM	207	392	302	37	2	0	0	0	0	0	0	0	0	1	941
13:00	229	366	261	32	3	1	0	0	1	1	1	0	0	0	895
14:00	470	346	202	29	4	0	0	1	0	0	0	0	0	0	1052
15:00	615	480	137	14	1	1	0	0	0	0	0	0	0	1	1249
16:00	630	537	204	14	2	0	0	0	0	0	0	0	0	0	1387
17:00	533	453	179	16	1	2	0	0	0	0	0	0	0	3	1187
18:00	385	412	158	9	1	0	0	0	0	0	0	0	0	1	966
19:00	241	253	145	19	5	0	1	0	0	0	0	0	1	0	665
20:00	176	193	131	20	2	0	0	0	0	0	0	0	0	0	522
21:00	63	106	101	20	4	0	1	0	0	0	0	0	0	0	295
22:00	23	51	70	21	3	0	0	0	0	0	0	0	0	0	168
23:00	17	24	16	12	4	2	0	0	0	0	0	0	0	0	75
Total	5402	5858	3520	499	65	12	5	1	2	1	3	1	1	8	15378

Daily

15th Percentile :	14 MPH
50th Percentile :	36 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	9378
Percent in Pace :	61.0%
Number of Vehicles > 40 MPH :	4118
Percent of Vehicles > 40 MPH :	26.8%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	18	11	16	5	5	0	1	0	0	0	0	0	0	0	56
01:00	1	9	14	3	1	1	0	0	0	0	0	0	0	0	29
02:00	3	3	6	6	3	0	0	0	0	0	0	0	0	0	21
03:00	3	7	11	5	2	0	0	0	0	0	0	0	0	0	28
04:00	11	13	24	11	5	1	0	0	0	0	0	0	0	0	65
05:00	51	53	85	33	4	0	0	0	0	0	0	0	0	0	226
06:00	149	184	196	50	3	0	0	0	0	0	0	0	0	1	583
07:00	384	483	304	29	4	1	0	1	0	0	0	0	0	1	1207
08:00	448	437	212	21	0	0	0	0	0	1	1	0	0	2	1122
09:00	231	403	238	35	3	0	0	0	0	0	0	0	0	0	910
10:00	153	278	298	51	3	1	0	0	0	0	0	0	1	1	786
11:00	194	360	288	52	1	1	0	0	1	0	0	0	0	0	897
12 PM	220	382	307	36	1	0	0	1	0	0	0	0	0	1	948
13:00	203	318	272	55	4	0	0	0	0	1	0	0	0	0	853
14:00	319	349	249	40	3	0	0	1	0	0	0	0	0	2	963
15:00	519	437	218	31	3	0	1	1	0	0	0	0	0	0	1210
16:00	420	468	302	31	1	4	0	1	1	0	1	0	0	1	1230
17:00	470	466	246	23	2	2	0	0	0	0	1	0	0	2	1212
18:00	322	355	191	29	2	1	0	0	0	0	0	0	0	3	903
19:00	176	209	173	17	3	1	0	0	0	0	0	0	1	0	580
20:00	110	148	156	26	8	1	0	0	0	0	0	0	0	1	450
21:00	42	85	77	25	2	1	0	0	0	0	0	0	0	0	232
22:00	28	48	63	9	0	0	0	0	0	0	0	0	0	0	148
23:00	24	25	38	15	3	1	0	0	0	0	0	0	0	0	106
Total	4499	5531	3984	638	66	16	2	5	2	2	3	0	2	15	14765

Daily
 15th Percentile : 17 MPH
 50th Percentile : 37 MPH
 85th Percentile : 43 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9515
 Percent in Pace : 64.4%
 Number of Vehicles > 40 MPH : 4735
 Percent of Vehicles > 40 MPH : 32.1%

Grand Total	9901	11389	7504	1137	131	28	7	6	4	3	6	1	3	23	30143
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Overall
 15th Percentile : 15 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 18893
 Percent in Pace : 62.7%
 Number of Vehicles > 40 MPH : 8853
 Percent of Vehicles > 40 MPH : 29.4%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	5	3	1	0	0	0	0	0	0	0	0	0	9	1
01:00	0	9	0	0	1	0	0	0	0	0	0	0	0	10	1
02:00	0	16	0	0	1	0	0	0	0	0	0	0	0	17	1
03:00	0	7	0	1	4	0	0	0	0	0	0	0	0	12	5
04:00	0	22	6	0	1	0	0	0	0	0	0	0	0	29	1
05:00	0	61	26	0	7	0	0	1	0	0	0	0	0	95	8
06:00	4	180	68	10	37	0	0	3	1	0	0	0	0	303	51
07:00	6	350	127	9	54	3	0	4	3	0	0	0	0	556	73
08:00	4	355	142	3	57	4	0	5	1	0	0	0	0	571	70
09:00	5	321	99	1	33	0	0	1	1	0	0	0	0	461	36
10:00	2	285	81	3	47	4	0	1	0	0	0	0	0	423	55
11:00	4	259	108	6	38	6	0	2	2	0	0	0	0	425	54
12 PM	3	294	114	4	32	2	0	3	0	0	0	0	0	452	41
13:00	3	282	82	2	33	1	0	0	3	0	0	0	0	406	39
14:00	10	326	112	4	43	4	0	1	0	1	0	0	0	501	53
15:00	4	411	158	9	57	1	0	0	1	0	0	0	0	641	68
16:00	6	454	160	2	66	0	0	2	1	0	0	0	0	691	71
17:00	16	325	116	3	53	1	0	1	0	0	0	0	0	515	58
18:00	1	339	111	0	45	0	0	0	0	0	0	0	0	496	45
19:00	3	217	79	1	29	0	0	0	0	0	0	0	0	329	30
20:00	0	177	51	0	16	0	0	0	0	0	0	0	0	244	16
21:00	0	96	25	0	7	0	0	0	0	0	0	0	0	128	7
22:00	0	53	7	0	3	0	0	0	0	0	0	0	0	63	3
23:00	0	24	5	0	5	0	0	0	1	0	0	0	0	35	6
Total	71	4868	1680	59	669	26	0	24	14	1	0	0	0	7412	793
Percent	1.0%	65.7%	22.7%	0.8%	9.0%	0.4%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		10.7%
AM Peak Vol.	07:00	08:00	08:00	06:00	08:00	11:00		08:00	07:00					08:00	07:00
PM Peak Vol.	17:00	16:00	16:00	15:00	16:00	14:00		12:00	13:00	14:00				16:00	16:00
	6	355	142	10	57	6		5	3					571	73
	16	454	160	9	66	4		3	3	1				691	71

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	24	4	0	4	0	0	0	0	0	0	0	0	32	4
01:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
02:00	0	7	4	0	2	0	0	0	0	0	0	0	0	13	2
03:00	0	11	1	0	4	0	0	0	0	0	0	0	0	16	4
04:00	0	20	10	1	4	0	0	0	0	0	0	0	0	35	5
05:00	0	60	24	2	13	0	0	0	0	0	0	0	0	99	15
06:00	2	181	58	6	34	0	0	2	0	0	0	0	0	283	42
07:00	5	370	113	7	47	1	0	1	1	0	0	0	0	545	57
08:00	7	381	147	5	47	3	0	0	1	0	0	0	0	591	56
09:00	2	285	100	3	51	1	0	2	3	0	0	0	0	447	60
10:00	1	255	78	1	53	2	0	0	3	0	0	0	0	393	59
11:00	4	294	114	3	52	3	0	0	0	0	0	0	0	470	58
12 PM	4	303	105	5	40	3	0	0	0	0	0	0	0	460	48
13:00	2	249	89	5	28	1	1	2	3	0	0	0	0	380	40
14:00	4	295	102	3	30	0	0	4	1	0	0	0	0	439	38
15:00	8	373	129	4	42	1	0	0	0	0	0	0	0	557	47
16:00	7	390	127	2	46	1	0	2	1	0	0	0	0	576	52
17:00	5	410	120	4	47	0	0	1	1	0	0	0	0	588	53
18:00	5	268	96	0	28	0	0	0	0	0	0	0	0	397	28
19:00	1	179	67	0	19	0	0	0	0	0	0	0	0	266	19
20:00	0	132	37	0	24	0	0	0	0	0	0	0	0	193	24
21:00	2	77	13	0	9	0	0	0	0	0	0	0	0	101	9
22:00	0	40	11	0	3	0	0	0	0	0	0	0	0	54	3
23:00	0	40	11	0	2	0	0	0	0	0	0	0	0	53	2
Total	59	4652	1561	51	629	16	1	14	14	0	0	0	0	6997	725
Percent	0.8%	66.5%	22.3%	0.7%	9.0%	0.2%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		10.4%
AM Peak Vol.	7	381	147	7	53	3		2	3					591	60
PM Peak Vol.	8	410	129	5	47	3	1	4	3					588	53
Grand Total	130	9520	3241	110	1298	42	1	38	28	1	0	0	0	14409	1518
Percent	0.9%	66.1%	22.5%	0.8%	9.0%	0.3%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		10.5%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	19	3	0	2	0	0	0	0	0	0	0	0	24	2
01:00	0	16	1	0	2	0	0	0	1	0	0	0	0	20	3
02:00	0	8	3	0	2	0	0	0	0	0	0	0	0	13	2
03:00	0	6	5	0	5	0	0	0	0	0	0	0	0	16	5
04:00	0	16	9	2	4	0	0	0	0	0	0	0	0	31	6
05:00	0	81	27	0	17	0	0	0	0	0	0	0	0	125	17
06:00	0	215	78	3	37	0	0	2	0	0	0	0	0	335	42
07:00	13	418	138	7	53	3	0	1	4	0	0	0	0	637	68
08:00	8	318	138	5	41	3	2	0	2	0	0	0	0	517	53
09:00	2	304	101	9	42	2	1	4	3	0	0	0	0	468	61
10:00	4	265	92	2	40	2	0	3	1	0	0	0	0	409	48
11:00	5	274	102	3	49	5	3	2	1	0	0	0	0	444	63
12 PM	8	311	110	3	45	2	2	2	2	0	0	0	0	485	56
13:00	5	319	106	8	39	1	0	8	0	0	0	0	0	486	56
14:00	7	348	121	10	49	1	2	4	2	0	0	0	0	544	68
15:00	7	388	137	3	59	7	0	2	0	0	0	0	0	603	71
16:00	13	484	138	2	46	6	0	0	2	0	0	0	0	691	56
17:00	21	436	159	6	44	1	0	1	0	0	0	0	0	668	52
18:00	2	315	117	3	29	0	0	1	0	0	0	0	0	467	33
19:00	6	233	66	2	22	3	0	0	0	0	0	0	0	332	27
20:00	3	200	56	0	15	0	0	2	0	0	0	0	0	276	17
21:00	2	126	28	0	10	0	0	0	0	0	0	0	0	166	10
22:00	0	83	15	0	7	0	0	0	0	0	0	0	0	105	7
23:00	0	28	5	0	7	0	0	0	0	0	0	0	0	40	7
Total	106	5211	1755	68	666	36	10	32	18	0	0	0	0	7902	830
Percent	1.3%	65.9%	22.2%	0.9%	8.4%	0.5%	0.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		10.5%
AM Peak Vol.	07:00	07:00	07:00	09:00	07:00	11:00	11:00	09:00	07:00					07:00	07:00
PM Peak Vol.	17:00	16:00	17:00	14:00	15:00	15:00	12:00	13:00	12:00					16:00	15:00
	21	484	159	10	59	7	2	8	2					691	71

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	21	1	0	2	0	0	0	0	0	0	0	0	24	2
01:00	1	16	1	0	1	1	0	0	0	0	0	0	0	20	2
02:00	0	3	2	0	3	0	0	0	0	0	0	0	0	8	3
03:00	0	5	5	0	2	0	0	0	0	0	0	0	0	12	2
04:00	1	15	8	0	6	0	0	0	0	0	0	0	0	30	6
05:00	0	69	32	0	25	1	0	0	0	0	0	0	0	127	26
06:00	8	184	70	2	36	0	0	0	0	0	0	0	0	300	38
07:00	11	459	135	4	40	3	2	1	3	0	0	0	0	658	53
08:00	8	335	127	8	41	5	0	0	3	0	0	0	0	527	57
09:00	7	289	105	5	48	1	2	1	0	0	0	0	0	458	57
10:00	1	224	111	4	42	2	1	1	1	0	0	0	0	387	51
11:00	2	267	103	5	42	3	0	2	1	0	0	0	0	425	53
12 PM	6	325	102	3	36	6	2	0	1	0	0	0	0	481	48
13:00	9	289	110	5	43	4	3	2	5	0	0	0	0	470	62
14:00	11	360	103	5	36	0	0	1	0	0	0	0	0	516	42
15:00	28	399	157	7	43	2	1	4	2	0	0	0	0	643	59
16:00	16	420	143	7	58	2	0	3	1	0	0	0	0	650	71
17:00	10	425	125	5	49	1	0	0	1	0	0	0	0	616	56
18:00	10	342	117	1	26	1	0	0	0	0	0	0	0	497	28
19:00	5	221	68	1	14	0	0	1	0	0	0	0	0	310	16
20:00	0	188	56	0	12	0	0	0	0	0	0	0	0	256	12
21:00	0	101	23	0	5	1	0	0	0	0	0	0	0	130	6
22:00	1	70	17	0	6	0	0	0	0	0	0	0	0	94	6
23:00	0	39	11	0	3	0	0	0	0	0	0	0	0	53	3
Total	135	5066	1732	62	619	33	11	16	18	0	0	0	0	7692	759
Percent	1.8%	65.9%	22.5%	0.8%	8.0%	0.4%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		9.9%
AM Peak Vol.	11	459	135	8	48	5	2	2	3					658	57
PM Peak Vol.	28	425	157	7	58	6	3	4	5					650	71
Grand Total	241	10277	3487	130	1285	69	21	48	36	0	0	0	0	15594	1589
Percent	1.5%	65.9%	22.4%	0.8%	8.2%	0.4%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		10.2%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	24	6	1	2	0	0	0	0	0	0	0	0	33	3
01:00	0	25	1	0	3	0	0	0	1	0	0	0	0	30	4
02:00	0	24	3	0	3	0	0	0	0	0	0	0	0	30	3
03:00	0	13	5	1	9	0	0	0	0	0	0	0	0	28	10
04:00	0	38	15	2	5	0	0	0	0	0	0	0	0	60	7
05:00	0	142	53	0	24	0	0	1	0	0	0	0	0	220	25
06:00	4	395	146	13	74	0	0	5	1	0	0	0	0	638	93
07:00	19	768	265	16	107	6	0	5	7	0	0	0	0	1193	141
08:00	12	673	280	8	98	7	2	5	3	0	0	0	0	1088	123
09:00	7	625	200	10	75	2	1	5	4	0	0	0	0	929	97
10:00	6	550	173	5	87	6	0	4	1	0	0	0	0	832	103
11:00	9	533	210	9	87	11	3	4	3	0	0	0	0	869	117
12 PM	11	605	224	7	77	4	2	5	2	0	0	0	0	937	97
13:00	8	601	188	10	72	2	0	8	3	0	0	0	0	892	95
14:00	17	674	233	14	92	5	2	5	2	1	0	0	0	1045	121
15:00	11	799	295	12	116	8	0	2	1	0	0	0	0	1244	139
16:00	19	938	298	4	112	6	0	2	3	0	0	0	0	1382	127
17:00	37	761	275	9	97	2	0	2	0	0	0	0	0	1183	110
18:00	3	654	228	3	74	0	0	1	0	0	0	0	0	963	78
19:00	9	450	145	3	51	3	0	0	0	0	0	0	0	661	57
20:00	3	377	107	0	31	0	0	2	0	0	0	0	0	520	33
21:00	2	222	53	0	17	0	0	0	0	0	0	0	0	294	17
22:00	0	136	22	0	10	0	0	0	0	0	0	0	0	168	10
23:00	0	52	10	0	12	0	0	0	1	0	0	0	0	75	13
Total	177	10079	3435	127	1335	62	10	56	32	1	0	0	0	15314	1623
Percent	1.2%	65.8%	22.4%	0.8%	8.7%	0.4%	0.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		10.6%
AM Peak Vol.	07:00	07:00	08:00	07:00	07:00	11:00	11:00	06:00	07:00					07:00	07:00
PM Peak Vol.	17:00	16:00	16:00	14:00	15:00	15:00	12:00	13:00	13:00	14:00				16:00	15:00
Vol.	37	938	298	14	116	8	2	8	3	1				1382	139

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Hanover St (139), east of Main St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	45	5	0	6	0	0	0	0	0	0	0	0	56	6
01:00	1	24	2	0	1	1	0	0	0	0	0	0	0	29	2
02:00	0	10	6	0	5	0	0	0	0	0	0	0	0	21	5
03:00	0	16	6	0	6	0	0	0	0	0	0	0	0	28	6
04:00	1	35	18	1	10	0	0	0	0	0	0	0	0	65	11
05:00	0	129	56	2	38	1	0	0	0	0	0	0	0	226	41
06:00	10	365	128	8	70	0	0	2	0	0	0	0	0	583	80
07:00	16	829	248	11	87	4	2	2	4	0	0	0	0	1203	110
08:00	15	716	274	13	88	8	0	0	4	0	0	0	0	1118	113
09:00	9	574	205	8	99	2	2	3	3	0	0	0	0	905	117
10:00	2	479	189	5	95	4	1	1	4	0	0	0	0	780	110
11:00	6	561	217	8	94	6	0	2	1	0	0	0	0	895	111
12 PM	10	628	207	8	76	9	2	0	1	0	0	0	0	941	96
13:00	11	538	199	10	71	5	4	4	8	0	0	0	0	850	102
14:00	15	655	205	8	66	0	0	5	1	0	0	0	0	955	80
15:00	36	772	286	11	85	3	1	4	2	0	0	0	0	1200	106
16:00	23	810	270	9	104	3	0	5	2	0	0	0	0	1226	123
17:00	15	835	245	9	96	1	0	1	2	0	0	0	0	1204	109
18:00	15	610	213	1	54	1	0	0	0	0	0	0	0	894	56
19:00	6	400	135	1	33	0	0	1	0	0	0	0	0	576	35
20:00	0	320	93	0	36	0	0	0	0	0	0	0	0	449	36
21:00	2	178	36	0	14	1	0	0	0	0	0	0	0	231	15
22:00	1	110	28	0	9	0	0	0	0	0	0	0	0	148	9
23:00	0	79	22	0	5	0	0	0	0	0	0	0	0	106	5
Total	194	9718	3293	113	1248	49	12	30	32	0	0	0	0	14689	1484
Percent	1.3%	66.2%	22.4%	0.8%	8.5%	0.3%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		10.1%
AM Peak Vol.	16	829	274	13	99	8	2	3	4					1203	117
PM Peak Vol.	36	835	286	11	104	9	4	5	8					1226	123
Grand Total	371	19797	6728	240	2583	111	22	86	64	1	0	0	0	30003	3107
Percent	1.2%	66.0%	22.4%	0.8%	8.6%	0.4%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		10.4%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

Start Time	07-Oct-19		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB
12:00 AM	*	*	*	*	8	16	16	20	*	*	*	*	*	*	12	18
01:00	*	*	*	*	9	19	10	15	*	*	*	*	*	*	10	17
02:00	*	*	*	*	14	11	13	6	*	*	*	*	*	*	14	8
03:00	*	*	*	*	11	12	16	11	*	*	*	*	*	*	14	12
04:00	*	*	*	*	26	16	34	22	*	*	*	*	*	*	30	19
05:00	*	*	*	*	102	75	95	74	*	*	*	*	*	*	98	74
06:00	*	*	*	*	290	245	274	210	*	*	*	*	*	*	282	228
07:00	*	*	*	*	511	457	522	456	*	*	*	*	*	*	516	456
08:00	*	*	*	*	541	405	562	417	*	*	*	*	*	*	552	411
09:00	*	*	*	*	453	410	438	375	*	*	*	*	*	*	446	392
10:00	*	*	*	*	401	354	392	323	*	*	*	*	*	*	396	338
11:00	*	*	*	*	433	390	455	388	*	*	*	*	*	*	444	389
12:00 PM	*	*	*	*	444	424	438	439	*	*	*	*	*	*	441	432
01:00	*	*	*	*	383	461	383	422	*	*	*	*	*	*	383	442
02:00	*	*	*	*	442	457	454	458	*	*	*	*	*	*	448	458
03:00	*	*	*	*	535	557	568	540	*	*	*	*	*	*	552	548
04:00	*	*	*	*	582	566	555	590	*	*	*	*	*	*	568	578
05:00	*	*	*	*	600	509	541	526	*	*	*	*	*	*	570	518
06:00	*	*	*	*	407	396	344	390	*	*	*	*	*	*	376	393
07:00	*	*	*	*	236	287	240	260	*	*	*	*	*	*	238	274
08:00	*	*	*	*	187	232	166	203	*	*	*	*	*	*	176	218
09:00	*	*	*	*	108	141	76	119	*	*	*	*	*	*	92	130
10:00	*	*	*	*	53	86	46	78	*	*	*	*	*	*	50	82
11:00	*	*	*	*	30	32	44	41	*	*	*	*	*	*	37	36
Lane	0	0	0	0	6806	6558	6682	6383	0	0	0	0	0	0	6745	6471
Day	0	0	0	0	13364	13065	13065	13065	0	0	0	0	0	0	13216	13216
AM Peak	-	-	-	-	08:00	07:00	08:00	07:00	-	-	-	-	-	-	08:00	07:00
Vol.	-	-	-	-	541	457	562	456	-	-	-	-	-	-	552	456
PM Peak	-	-	-	-	17:00	16:00	15:00	16:00	-	-	-	-	-	-	17:00	16:00
Vol.	-	-	-	-	600	566	568	590	-	-	-	-	-	-	570	578

Comb. Total 0 0 13364 13065 0 0 0 13216

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

Start Time	09-Oct-19		EB		WB		Combined		10-Oct-		EB		WB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			2	105	4	116	6	221		6	120	7	133	13	253	
12:15			2	123	6	117	8	240		4	94	8	96	12	190	
12:30			1	103	2	92	3	195		3	123	2	112	5	235	
12:45			3	113	4	99	7	212		3	101	3	98	6	199	
01:00			1	87	8	106	9	193		5	92	5	112	10	204	
01:15			2	107	5	115	7	222		4	90	3	100	7	190	
01:30			4	99	5	118	9	217		1	86	4	102	5	188	
01:45			2	90	1	122	3	212		0	115	3	108	3	223	
02:00			3	100	3	97	6	197		1	106	2	103	3	209	
02:15			4	103	2	112	6	215		4	123	3	89	7	212	
02:30			2	116	2	128	4	244		5	99	1	139	6	238	
02:45			5	123	4	120	9	243		3	126	0	127	3	253	
03:00			0	126	3	128	3	254		2	130	2	133	4	263	
03:15			3	142	3	120	6	262		2	118	3	140	5	258	
03:30			4	123	2	155	6	278		4	171	2	134	6	305	
03:45			4	144	4	154	8	298		8	149	4	133	12	282	
04:00			3	166	2	146	5	312		4	135	2	183	6	318	
04:15			4	136	3	146	7	282		7	124	4	141	11	265	
04:30			10	123	5	131	15	254		8	149	5	147	13	296	
04:45			9	157	6	143	15	300		15	147	11	119	26	266	
05:00			19	180	11	129	30	309		17	145	9	141	26	286	
05:15			22	141	20	143	42	284		24	119	19	145	43	264	
05:30			22	132	16	127	38	259		26	165	22	122	48	287	
05:45			39	147	28	110	67	257		28	112	24	118	52	230	
06:00			43	116	37	102	80	218		41	85	36	117	77	202	
06:15			70	107	57	110	127	217		68	93	58	89	126	182	
06:30			90	103	56	104	146	207		85	93	44	98	129	191	
06:45			87	81	95	80	182	161		80	73	72	86	152	159	
07:00			102	71	97	88	199	159		108	78	103	70	211	148	
07:15			103	60	127	61	230	121		114	69	101	75	215	144	
07:30			149	55	122	59	271	114		146	43	131	53	277	96	
07:45			157	50	111	79	268	129		154	50	121	62	275	112	
08:00			126	46	111	69	237	115		138	43	104	62	242	105	
08:15			137	45	103	63	240	108		135	40	110	61	245	101	
08:30			117	60	94	53	211	113		131	41	113	47	244	88	
08:45			161	36	97	47	258	83		158	42	90	33	248	75	
09:00			122	40	114	44	236	84		116	28	115	44	231	72	
09:15			102	31	115	36	217	67		98	16	98	29	196	45	
09:30			112	20	93	28	205	48		129	14	78	18	207	32	
09:45			117	17	88	33	205	50		95	18	84	28	179	46	
10:00			90	21	98	32	188	53		96	13	81	37	177	50	
10:15			97	16	82	28	179	44		85	14	89	17	174	31	
10:30			103	7	77	10	180	17		111	8	80	11	191	19	
10:45			111	9	97	16	208	25		100	11	73	13	173	24	
11:00			100	9	96	7	196	16		84	15	86	12	170	27	
11:15			103	7	88	8	191	15		129	13	87	9	216	22	
11:30			111	9	88	8	199	17		118	7	117	14	235	21	
11:45			119	5	118	9	237	14		124	9	98	6	222	15	
Total			2799	4007	2410	4148	5209	8155		2827	3855	2317	4066	5144	7921	
Day Total			6806		6558		13364			6682		6383		13065		
% Total			20.9%	30.0%	18.0%	31.0%				21.6%	29.5%	17.7%	31.1%			
Peak	-		07:30	04:45	07:15	03:30	07:30	03:30	-	07:30	03:30	07:30	03:45	07:30	03:30	
Vol.	-		569	610	471	601	1016	1170	-	573	579	466	604	1039	1170	
P.H.F.			0.906	0.847	0.927	0.969	0.937	0.938		0.930	0.846	0.889	0.825	0.938	0.920	

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	24	36	*	*	*	30
01:00	*	*	28	25	*	*	*	26
02:00	*	*	25	19	*	*	*	22
03:00	*	*	23	27	*	*	*	25
04:00	*	*	42	56	*	*	*	49
05:00	*	*	177	169	*	*	*	173
06:00	*	*	535	484	*	*	*	510
07:00	*	*	968	978	*	*	*	973
08:00	*	*	946	979	*	*	*	962
09:00	*	*	863	813	*	*	*	838
10:00	*	*	755	715	*	*	*	735
11:00	*	*	823	843	*	*	*	833
12:00 PM	*	*	868	877	*	*	*	872
01:00	*	*	844	805	*	*	*	824
02:00	*	*	899	912	*	*	*	906
03:00	*	*	1092	1108	*	*	*	1100
04:00	*	*	1148	1145	*	*	*	1146
05:00	*	*	1109	1067	*	*	*	1088
06:00	*	*	803	734	*	*	*	768
07:00	*	*	523	500	*	*	*	512
08:00	*	*	419	369	*	*	*	394
09:00	*	*	249	195	*	*	*	222
10:00	*	*	139	124	*	*	*	132
11:00	*	*	62	85	*	*	*	74
Total	0	0	13364	13065	0	0	0	
Percentage	0.0%	0.0%	101.1%	98.9%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	08:00	-	-	-	-
Vol.	-	-	968	979	-	-	-	-
PM Peak	-	-	16:00	16:00	-	-	-	-
Vol.	-	-	1148	1145	-	-	-	-

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Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	0	0	3	2	3	0	0	0	0	0	0	0	0	0	8
01:00	2	2	2	1	2	0	0	0	0	0	0	0	0	0	9
02:00	2	2	5	3	0	2	0	0	0	0	0	0	0	0	14
03:00	0	3	8	0	0	0	0	0	0	0	0	0	0	0	11
04:00	0	3	10	11	2	0	0	0	0	0	0	0	0	0	26
05:00	10	25	44	19	4	0	0	0	0	0	0	0	0	0	102
06:00	46	110	109	24	1	0	0	0	0	0	0	0	0	0	290
07:00	85	230	176	20	0	0	0	0	0	0	0	0	0	0	511
08:00	113	213	191	21	1	1	0	0	0	0	0	0	0	1	541
09:00	89	178	164	20	2	0	0	0	0	0	0	0	0	0	453
10:00	49	157	162	31	2	0	0	0	0	0	0	0	0	0	401
11:00	73	171	142	45	2	0	0	0	0	0	0	0	0	0	433
12 PM	63	141	207	33	0	0	0	0	0	0	0	0	0	0	444
13:00	44	118	185	31	5	0	0	0	0	0	0	0	0	0	383
14:00	74	160	177	24	5	1	0	0	0	0	0	0	0	1	442
15:00	130	186	182	35	0	2	0	0	0	0	0	0	0	0	535
16:00	93	228	219	37	4	0	1	0	0	0	0	0	0	0	582
17:00	134	222	215	28	1	0	0	0	0	0	0	0	0	0	600
18:00	121	148	121	16	1	0	0	0	0	0	0	0	0	0	407
19:00	46	93	82	15	0	0	0	0	0	0	0	0	0	0	236
20:00	40	75	60	11	1	0	0	0	0	0	0	0	0	0	187
21:00	13	38	44	11	2	0	0	0	0	0	0	0	0	0	108
22:00	2	12	30	8	1	0	0	0	0	0	0	0	0	0	53
23:00	2	13	6	7	0	2	0	0	0	0	0	0	0	0	30
Total	1231	2528	2544	453	39	8	1	0	0	0	0	0	0	2	6806

Daily

15th Percentile :	29 MPH
50th Percentile :	39 MPH
85th Percentile :	43 MPH
95th Percentile :	46 MPH

Mean Speed(Average) :	37 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	5072
Percent in Pace :	74.5%
Number of Vehicles > 40 MPH :	3047
Percent of Vehicles > 40 MPH :	44.8%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	0	3	8	4	1	0	0	0	0	0	0	0	0	0	16
01:00	0	2	4	3	1	0	0	0	0	0	0	0	0	0	10
02:00	0	4	6	2	1	0	0	0	0	0	0	0	0	0	13
03:00	0	5	7	3	1	0	0	0	0	0	0	0	0	0	16
04:00	1	12	7	7	5	2	0	0	0	0	0	0	0	0	34
05:00	10	22	42	14	7	0	0	0	0	0	0	0	0	0	95
06:00	31	82	126	32	2	1	0	0	0	0	0	0	0	0	274
07:00	78	188	213	40	3	0	0	0	0	0	0	0	0	0	522
08:00	84	215	232	29	2	0	0	0	0	0	0	0	0	0	562
09:00	82	170	158	28	0	0	0	0	0	0	0	0	0	0	438
10:00	53	128	174	35	1	1	0	0	0	0	0	0	0	0	392
11:00	92	126	185	47	5	0	0	0	0	0	0	0	0	0	455
12 PM	78	138	183	39	0	0	0	0	0	0	0	0	0	0	438
13:00	28	136	171	41	5	0	2	0	0	0	0	0	0	0	383
14:00	56	166	168	53	8	1	0	0	0	0	0	0	0	2	454
15:00	99	206	218	36	8	0	0	0	0	0	0	0	0	1	568
16:00	66	208	230	45	4	0	0	0	0	0	0	0	0	2	555
17:00	53	198	241	42	7	0	0	0	0	0	0	0	0	0	541
18:00	47	141	125	29	2	0	0	0	0	0	0	0	0	0	344
19:00	42	93	84	16	5	0	0	0	0	0	0	0	0	0	240
20:00	14	64	66	17	4	0	0	0	0	1	0	0	0	0	166
21:00	6	23	32	14	1	0	0	0	0	0	0	0	0	0	76
22:00	3	15	16	11	1	0	0	0	0	0	0	0	0	0	46
23:00	6	10	17	8	2	1	0	0	0	0	0	0	0	0	44
Total	929	2355	2713	595	76	6	2	0	0	1	0	0	0	5	6682

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

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5068
 Percent in Pace : 75.8%
 Number of Vehicles > 40 MPH : 3398
 Percent of Vehicles > 40 MPH : 50.9%

Grand Total	2160	4883	5257	1048	115	14	3	0	0	1	0	0	0	7	13488
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Overall
 15th Percentile : 32 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 10140
 Percent in Pace : 75.2%
 Number of Vehicles > 40 MPH : 6445
 Percent of Vehicles > 40 MPH : 47.8%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	1	4	8	3	0	0	0	0	0	0	0	0	0	0	16
01:00	3	6	6	3	1	0	0	0	0	0	0	0	0	0	19
02:00	2	1	4	2	2	0	0	0	0	0	0	0	0	0	11
03:00	0	3	3	4	2	0	0	0	0	0	0	0	0	0	12
04:00	1	2	9	3	1	0	0	0	0	0	0	0	0	0	16
05:00	2	11	36	22	4	0	0	0	0	0	0	0	0	0	75
06:00	33	45	108	54	5	0	0	0	0	0	0	0	0	0	245
07:00	65	183	155	49	3	0	0	0	0	0	0	0	0	2	457
08:00	61	137	154	47	5	1	0	0	0	0	0	0	0	0	405
09:00	80	177	122	29	2	0	0	0	0	0	0	0	0	0	410
10:00	64	134	121	32	3	0	0	0	0	0	0	0	0	0	354
11:00	68	157	121	35	7	1	1	0	0	0	0	0	0	0	390
12 PM	62	145	165	47	5	0	0	0	0	0	0	0	0	0	424
13:00	120	168	138	33	2	0	0	0	0	0	0	0	0	0	461
14:00	75	155	193	32	0	0	0	0	0	0	0	0	1	1	457
15:00	150	223	156	26	2	0	0	0	0	0	0	0	0	0	557
16:00	162	259	129	13	3	0	0	0	0	0	0	0	0	0	566
17:00	152	218	120	17	1	0	0	0	0	0	0	0	1	0	509
18:00	132	170	80	14	0	0	0	0	0	0	0	0	0	0	396
19:00	55	107	104	17	2	1	1	0	0	0	0	0	0	0	287
20:00	44	71	95	20	2	0	0	0	0	0	0	0	0	0	232
21:00	18	42	63	15	2	1	0	0	0	0	0	0	0	0	141
22:00	3	26	40	14	3	0	0	0	0	0	0	0	0	0	86
23:00	1	5	17	6	2	1	0	0	0	0	0	0	0	0	32
Total	1354	2449	2147	537	59	5	2	0	0	0	0	0	2	3	6558

Daily

15th Percentile :	25 MPH
50th Percentile :	38 MPH
85th Percentile :	44 MPH
95th Percentile :	47 MPH

Mean Speed(Average) :	37 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	4596
Percent in Pace :	70.1%
Number of Vehicles > 40 MPH :	2755
Percent of Vehicles > 40 MPH :	42.0%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	0	3	10	3	2	1	1	0	0	0	0	0	0	0	20
01:00	0	7	3	4	1	0	0	0	0	0	0	0	0	0	15
02:00	0	2	3	0	0	1	0	0	0	0	0	0	0	0	6
03:00	0	3	4	3	1	0	0	0	0	0	0	0	0	0	11
04:00	2	0	8	10	2	0	0	0	0	0	0	0	0	0	22
05:00	3	14	43	10	4	0	0	0	0	0	0	0	0	0	74
06:00	23	53	100	32	1	1	0	0	0	0	0	0	0	0	210
07:00	71	177	167	33	6	2	0	0	0	0	0	0	0	0	456
08:00	82	126	158	47	3	1	0	0	0	0	0	0	0	0	417
09:00	83	132	119	37	2	2	0	0	0	0	0	0	0	0	375
10:00	41	117	126	35	3	0	1	0	0	0	0	0	0	0	323
11:00	67	118	162	36	5	0	0	0	0	0	0	0	0	0	388
12 PM	93	159	150	32	5	0	0	0	0	0	0	0	0	0	439
13:00	57	143	167	49	5	1	0	0	0	0	0	0	0	0	422
14:00	56	126	196	77	3	0	0	0	0	0	0	0	0	0	458
15:00	89	194	204	41	10	1	0	0	0	0	0	0	0	1	540
16:00	102	212	211	60	4	1	0	0	0	0	0	0	0	0	590
17:00	52	209	201	54	9	1	0	0	0	0	0	0	0	0	526
18:00	47	131	155	47	9	0	0	0	1	0	0	0	0	0	390
19:00	30	88	105	33	4	0	0	0	0	0	0	0	0	0	260
20:00	12	51	96	36	8	0	0	0	0	0	0	0	0	0	203
21:00	15	34	50	16	4	0	0	0	0	0	0	0	0	0	119
22:00	10	17	34	13	4	0	0	0	0	0	0	0	0	0	78
23:00	4	7	14	9	6	1	0	0	0	0	0	0	0	0	41
Total	939	2123	2486	717	101	13	2	0	1	0	0	0	2	4	6383

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

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 4609
 Percent in Pace : 72.2%
 Number of Vehicles > 40 MPH : 3321
 Percent of Vehicles > 40 MPH : 52.0%

Grand Total	2293	4572	4633	1254	160	18	4	0	1	0	0	0	2	4	12941
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Overall
 15th Percentile : 29 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 48 MPH

 Mean Speed(Average) : 37 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9205
 Percent in Pace : 71.1%
 Number of Vehicles > 40 MPH : 6076
 Percent of Vehicles > 40 MPH : 47.0%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	1	4	11	5	3	0	0	0	0	0	0	0	0	0	24
01:00	5	8	8	4	3	0	0	0	0	0	0	0	0	0	28
02:00	4	3	9	5	2	2	0	0	0	0	0	0	0	0	25
03:00	0	6	11	4	2	0	0	0	0	0	0	0	0	0	23
04:00	1	5	19	14	3	0	0	0	0	0	0	0	0	0	42
05:00	12	36	80	41	8	0	0	0	0	0	0	0	0	0	177
06:00	79	155	217	78	6	0	0	0	0	0	0	0	0	0	535
07:00	150	413	331	69	3	0	0	0	0	0	0	0	0	2	968
08:00	174	350	345	68	6	2	0	0	0	0	0	0	0	1	946
09:00	169	355	286	49	4	0	0	0	0	0	0	0	0	0	863
10:00	113	291	283	63	5	0	0	0	0	0	0	0	0	0	755
11:00	141	328	263	80	9	1	1	0	0	0	0	0	0	0	823
12 PM	125	286	372	80	5	0	0	0	0	0	0	0	0	0	868
13:00	164	286	323	64	7	0	0	0	0	0	0	0	0	0	844
14:00	149	315	370	56	5	1	0	0	0	0	0	0	1	2	899
15:00	280	409	338	61	2	2	0	0	0	0	0	0	0	0	1092
16:00	255	487	348	50	7	0	1	0	0	0	0	0	0	0	1148
17:00	286	440	335	45	2	0	0	0	0	0	0	0	1	0	1109
18:00	253	318	201	30	1	0	0	0	0	0	0	0	0	0	803
19:00	101	200	186	32	2	1	1	0	0	0	0	0	0	0	523
20:00	84	146	155	31	3	0	0	0	0	0	0	0	0	0	419
21:00	31	80	107	26	4	1	0	0	0	0	0	0	0	0	249
22:00	5	38	70	22	4	0	0	0	0	0	0	0	0	0	139
23:00	3	18	23	13	2	3	0	0	0	0	0	0	0	0	62
Total	2585	4977	4691	990	98	13	3	0	0	0	0	0	2	5	13364

Daily

15th Percentile :	27 MPH
50th Percentile :	39 MPH
85th Percentile :	44 MPH
95th Percentile :	47 MPH

Mean Speed(Average) :	37 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	9668
Percent in Pace :	72.3%
Number of Vehicles > 40 MPH :	5802
Percent of Vehicles > 40 MPH :	43.4%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB, WB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	0	6	18	7	3	1	1	0	0	0	0	0	0	0	36
01:00	0	9	7	7	2	0	0	0	0	0	0	0	0	0	25
02:00	0	6	9	2	1	1	0	0	0	0	0	0	0	0	19
03:00	0	8	11	6	2	0	0	0	0	0	0	0	0	0	27
04:00	3	12	15	17	7	2	0	0	0	0	0	0	0	0	56
05:00	13	36	85	24	11	0	0	0	0	0	0	0	0	0	169
06:00	54	135	226	64	3	2	0	0	0	0	0	0	0	0	484
07:00	149	365	380	73	9	2	0	0	0	0	0	0	0	0	978
08:00	166	341	390	76	5	1	0	0	0	0	0	0	0	0	979
09:00	165	302	277	65	2	2	0	0	0	0	0	0	0	0	813
10:00	94	245	300	70	4	1	1	0	0	0	0	0	0	0	715
11:00	159	244	347	83	10	0	0	0	0	0	0	0	0	0	843
12 PM	171	297	333	71	5	0	0	0	0	0	0	0	0	0	877
13:00	85	279	338	90	10	1	2	0	0	0	0	0	0	0	805
14:00	112	292	364	130	11	1	0	0	0	0	0	0	0	2	912
15:00	188	400	422	77	18	1	0	0	0	0	0	0	0	2	1108
16:00	168	420	441	105	8	1	0	0	0	0	0	0	0	2	1145
17:00	105	407	442	96	16	1	0	0	0	0	0	0	0	0	1067
18:00	94	272	280	76	11	0	0	0	1	0	0	0	0	0	734
19:00	72	181	189	49	9	0	0	0	0	0	0	0	0	0	500
20:00	26	115	162	53	12	0	0	0	0	1	0	0	0	0	369
21:00	21	57	82	30	5	0	0	0	0	0	0	0	0	0	195
22:00	13	32	50	24	5	0	0	0	0	0	0	0	0	0	124
23:00	10	17	31	17	8	2	0	0	0	0	0	0	0	0	85
Total	1868	4478	5199	1312	177	19	4	0	1	1	0	0	0	6	13065

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

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 9677
 Percent in Pace : 74.1%
 Number of Vehicles > 40 MPH : 6719
 Percent of Vehicles > 40 MPH : 51.4%

Grand Total	4453	9455	9890	2302	275	32	7	0	1	1	0	0	2	11	26429
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Overall
 15th Percentile : 31 MPH
 50th Percentile : 39 MPH
 85th Percentile : 44 MPH
 95th Percentile : 47 MPH

 Mean Speed(Average) : 38 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 19345
 Percent in Pace : 73.2%
 Number of Vehicles > 40 MPH : 12521
 Percent of Vehicles > 40 MPH : 47.4%

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	4	3	1	0	0	0	0	0	0	0	0	0	8	1
01:00	0	7	1	0	1	0	0	0	0	0	0	0	0	9	1
02:00	0	13	0	0	1	0	0	0	0	0	0	0	0	14	1
03:00	0	6	1	1	3	0	0	0	0	0	0	0	0	11	4
04:00	0	19	6	0	1	0	0	0	0	0	0	0	0	26	1
05:00	1	70	27	0	3	0	0	1	0	0	0	0	0	102	4
06:00	2	189	77	8	9	2	0	2	1	0	0	0	0	290	22
07:00	11	352	104	6	25	6	0	4	2	0	0	0	0	510	43
08:00	7	376	119	3	24	5	0	3	2	0	0	0	0	539	37
09:00	1	337	87	0	23	0	0	1	2	0	0	0	0	451	26
10:00	2	280	83	4	26	2	0	2	0	0	0	0	0	399	34
11:00	4	293	99	5	18	8	0	3	2	0	0	0	0	432	36
12 PM	4	318	94	4	17	4	0	1	0	0	0	0	0	442	26
13:00	6	276	80	1	13	1	0	2	3	0	0	0	0	382	20
14:00	7	319	86	4	18	4	0	3	1	0	0	0	0	442	30
15:00	9	377	122	6	18	1	0	0	0	0	0	0	0	533	25
16:00	16	410	126	1	22	4	0	0	1	0	0	0	0	580	28
17:00	11	431	127	5	17	2	1	1	0	0	0	0	0	595	26
18:00	5	299	86	0	15	2	0	0	0	0	0	0	0	407	17
19:00	2	162	59	1	8	2	0	0	0	0	0	0	0	234	11
20:00	0	143	40	0	3	1	0	0	0	0	0	0	0	187	4
21:00	0	89	16	0	1	0	0	1	0	0	0	0	0	107	2
22:00	0	47	5	0	1	0	0	0	0	0	0	0	0	53	1
23:00	0	23	5	0	1	0	0	0	1	0	0	0	0	30	2
Total	88	4840	1453	50	268	44	1	24	15	0	0	0	0	6783	402
Percent	1.3%	71.4%	21.4%	0.7%	4.0%	0.6%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		5.9%
AM Peak Vol.	07:00	08:00	08:00	06:00	10:00	11:00		07:00	07:00					08:00	07:00
	11	376	119	8	26	8		4	2					539	43
PM Peak Vol.	16:00	17:00	17:00	15:00	16:00	12:00	17:00	14:00	13:00					17:00	14:00
	16	431	127	6	22	4	1	3	3					595	30

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	10	4	0	2	0	0	0	0	0	0	0	0	16	2
01:00	0	10	0	0	0	0	0	0	0	0	0	0	0	10	0
02:00	0	9	2	0	2	0	0	0	0	0	0	0	0	13	2
03:00	0	10	5	0	1	0	0	0	0	0	0	0	0	16	1
04:00	0	24	6	1	3	0	0	0	0	0	0	0	0	34	4
05:00	0	60	27	1	6	1	0	0	0	0	0	0	0	95	8
06:00	4	189	60	5	11	1	0	2	0	0	0	0	0	272	19
07:00	12	370	117	6	14	1	0	0	1	0	0	0	0	521	22
08:00	5	399	120	2	27	4	0	1	2	0	0	0	0	560	36
09:00	10	289	100	1	25	3	0	3	3	0	0	0	0	434	35
10:00	9	271	80	2	22	3	0	0	3	0	0	0	0	390	30
11:00	3	321	97	1	23	6	0	0	0	0	0	0	0	451	30
12 PM	8	306	88	5	24	6	0	0	0	0	0	0	0	437	35
13:00	6	266	83	5	13	4	1	2	3	0	0	0	0	383	28
14:00	6	323	99	2	15	2	0	3	1	0	0	0	0	451	23
15:00	12	420	108	2	20	3	0	2	0	0	0	0	0	567	27
16:00	6	397	122	1	22	3	0	1	1	0	0	0	0	553	28
17:00	11	411	101	3	11	0	0	2	1	0	0	0	0	540	17
18:00	7	260	65	0	10	1	0	0	0	0	0	0	0	343	11
19:00	0	186	47	0	6	1	0	0	0	0	0	0	0	240	7
20:00	1	124	33	0	7	0	0	0	0	0	0	0	0	165	7
21:00	0	60	15	0	1	0	0	0	0	0	0	0	0	76	1
22:00	0	38	7	0	1	0	0	0	0	0	0	0	0	46	1
23:00	0	40	4	0	0	0	0	0	0	0	0	0	0	44	0
Total	100	4793	1390	37	266	39	1	16	15	0	0	0	0	6657	374
Percent	1.5%	72.0%	20.9%	0.6%	4.0%	0.6%	0.0%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak Vol.	12	399	120	6	27	6		3	3					560	36
PM Peak Vol.	12	420	122	5	24	6	1	3	3					567	35
Grand Total	188	9633	2843	87	534	83	2	40	30	0	0	0	0	13440	776
Percent	1.4%	71.7%	21.2%	0.6%	4.0%	0.6%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		5.8%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	14	2	0	0	0	0	0	0	0	0	0	0	16	0
01:00	1	16	1	0	1	0	0	0	0	0	0	0	0	19	1
02:00	0	8	2	0	1	0	0	0	0	0	0	0	0	11	1
03:00	0	5	6	0	1	0	0	0	0	0	0	0	0	12	1
04:00	0	8	6	1	1	0	0	0	0	0	0	0	0	16	2
05:00	0	53	19	0	3	0	0	0	0	0	0	0	0	75	3
06:00	2	165	59	3	14	0	0	1	1	0	0	0	0	245	19
07:00	7	308	108	3	18	3	3	1	3	0	0	0	0	454	31
08:00	6	270	99	5	19	2	0	1	0	0	0	0	0	402	27
09:00	3	271	95	5	26	3	2	2	2	0	0	0	0	409	40
10:00	1	232	90	2	22	3	0	1	1	0	0	0	0	352	29
11:00	5	253	88	5	24	6	3	3	0	0	0	0	0	387	41
12 PM	1	291	108	2	16	1	2	1	1	0	0	0	0	423	23
13:00	5	317	109	4	17	0	0	5	0	0	0	0	0	457	26
14:00	4	305	103	10	24	1	3	5	0	0	0	0	0	455	43
15:00	7	376	147	2	19	0	0	2	1	0	0	0	0	554	24
16:00	8	412	116	1	18	2	0	1	3	0	0	0	0	561	25
17:00	3	357	126	5	14	0	0	0	0	0	0	0	0	505	19
18:00	3	286	87	3	14	0	0	1	0	0	0	0	0	394	18
19:00	3	223	55	0	5	0	0	0	0	0	0	0	0	286	5
20:00	1	179	47	0	4	0	0	1	0	0	0	0	0	232	5
21:00	0	108	30	0	3	0	0	0	0	0	0	0	0	141	3
22:00	0	68	15	0	2	0	0	1	0	0	0	0	0	86	3
23:00	0	24	6	0	2	0	0	0	0	0	0	0	0	32	2
Total	60	4549	1524	51	268	21	13	26	12	0	0	0	0	6524	391
Percent	0.9%	69.7%	23.4%	0.8%	4.1%	0.3%	0.2%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak	07:00	07:00	07:00	08:00	09:00	11:00	07:00	11:00	07:00					07:00	11:00
Vol.	7	308	108	5	26	6	3	3	3					454	41
PM Peak	16:00	16:00	15:00	14:00	14:00	16:00	14:00	13:00	16:00					16:00	14:00
Vol.	8	412	147	10	24	2	3	5	3					561	43

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	17	2	0	1	0	0	0	0	0	0	0	0	20	1
01:00	0	13	0	0	1	0	0	0	1	0	0	0	0	15	2
02:00	0	3	1	0	2	0	0	0	0	0	0	0	0	6	2
03:00	0	7	2	0	2	0	0	0	0	0	0	0	0	11	2
04:00	0	15	7	0	0	0	0	0	0	0	0	0	0	22	0
05:00	0	49	20	1	3	1	0	0	0	0	0	0	0	74	5
06:00	2	132	59	1	14	1	0	0	0	0	0	0	0	209	16
07:00	7	329	91	1	15	5	1	1	3	0	0	0	0	453	26
08:00	2	288	96	2	19	5	0	0	3	0	0	0	0	415	29
09:00	4	236	87	5	35	3	2	2	0	0	0	0	0	374	47
10:00	2	203	91	2	17	2	2	1	2	0	0	0	0	322	26
11:00	3	259	88	5	27	1	0	1	0	0	0	0	0	384	34
12 PM	6	301	99	2	25	2	1	0	2	0	0	0	0	438	32
13:00	4	270	104	5	25	3	3	1	5	0	0	0	0	420	42
14:00	2	340	79	2	30	0	0	2	0	0	0	0	0	455	34
15:00	6	361	128	9	30	1	0	4	1	0	0	0	0	540	45
16:00	8	405	119	3	48	0	0	3	0	0	0	0	0	586	54
17:00	7	369	101	3	40	3	0	0	1	0	0	0	0	524	47
18:00	4	290	74	0	20	1	0	1	0	0	0	0	0	390	22
19:00	0	184	59	1	14	1	0	1	0	0	0	0	0	260	17
20:00	1	151	41	0	10	0	0	0	0	0	0	0	0	203	10
21:00	0	91	20	0	8	0	0	0	0	0	0	0	0	119	8
22:00	0	60	13	0	5	0	0	0	0	0	0	0	0	78	5
23:00	0	33	3	0	5	0	0	0	0	0	0	0	0	41	5
Total	58	4406	1384	42	396	29	9	17	18	0	0	0	0	6359	511
Percent	0.9%	69.3%	21.8%	0.7%	6.2%	0.5%	0.1%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		8.0%
AM Peak Vol.	07:00	07:00	08:00	09:00	09:00	07:00	09:00	09:00	07:00					07:00	09:00
	7	329	96	5	35	5	2	2	3					453	47
PM Peak Vol.	16:00	16:00	15:00	15:00	16:00	13:00	13:00	15:00	13:00					16:00	16:00
	8	405	128	9	48	3	3	4	5					586	54
Grand Total	118	8955	2908	93	664	50	22	43	30	0	0	0	0	12883	902
Percent	0.9%	69.5%	22.6%	0.7%	5.2%	0.4%	0.2%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		7.0%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	18	5	1	0	0	0	0	0	0	0	0	0	24	1
01:00	1	23	2	0	2	0	0	0	0	0	0	0	0	28	2
02:00	0	21	2	0	2	0	0	0	0	0	0	0	0	25	2
03:00	0	11	7	1	4	0	0	0	0	0	0	0	0	23	5
04:00	0	27	12	1	2	0	0	0	0	0	0	0	0	42	3
05:00	1	123	46	0	6	0	0	1	0	0	0	0	0	177	7
06:00	4	354	136	11	23	2	0	3	2	0	0	0	0	535	41
07:00	18	660	212	9	43	9	3	5	5	0	0	0	0	964	74
08:00	13	646	218	8	43	7	0	4	2	0	0	0	0	941	64
09:00	4	608	182	5	49	3	2	3	4	0	0	0	0	860	66
10:00	3	512	173	6	48	5	0	3	1	0	0	0	0	751	63
11:00	9	546	187	10	42	14	3	6	2	0	0	0	0	819	77
12 PM	5	609	202	6	33	5	2	2	1	0	0	0	0	865	49
13:00	11	593	189	5	30	1	0	7	3	0	0	0	0	839	46
14:00	11	624	189	14	42	5	3	8	1	0	0	0	0	897	73
15:00	16	753	269	8	37	1	0	2	1	0	0	0	0	1087	49
16:00	24	822	242	2	40	6	0	1	4	0	0	0	0	1141	53
17:00	14	788	253	10	31	2	1	1	0	0	0	0	0	1100	45
18:00	8	585	173	3	29	2	0	1	0	0	0	0	0	801	35
19:00	5	385	114	1	13	2	0	0	0	0	0	0	0	520	16
20:00	1	322	87	0	7	1	0	1	0	0	0	0	0	419	9
21:00	0	197	46	0	4	0	0	1	0	0	0	0	0	248	5
22:00	0	115	20	0	3	0	0	1	0	0	0	0	0	139	4
23:00	0	47	11	0	3	0	0	0	1	0	0	0	0	62	4
Total	148	9389	2977	101	536	65	14	50	27	0	0	0	0	13307	793
Percent	1.1%	70.6%	22.4%	0.8%	4.0%	0.5%	0.1%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		6.0%
AM Peak	07:00	07:00	08:00	06:00	09:00	11:00	07:00	11:00	07:00					07:00	11:00
Vol.	18	660	218	11	49	14	3	6	5					964	77
PM Peak	16:00	16:00	15:00	14:00	14:00	16:00	14:00	14:00	16:00					16:00	14:00
Vol.	24	822	269	14	42	6	3	8	4					1141	73

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Rockland St (139), east of Hanover St

EB, WB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	27	6	0	3	0	0	0	0	0	0	0	0	36	3
01:00	0	23	0	0	1	0	0	0	1	0	0	0	0	25	2
02:00	0	12	3	0	4	0	0	0	0	0	0	0	0	19	4
03:00	0	17	7	0	3	0	0	0	0	0	0	0	0	27	3
04:00	0	39	13	1	3	0	0	0	0	0	0	0	0	56	4
05:00	0	109	47	2	9	2	0	0	0	0	0	0	0	169	13
06:00	6	321	119	6	25	2	0	2	0	0	0	0	0	481	35
07:00	19	699	208	7	29	6	1	1	4	0	0	0	0	974	48
08:00	7	687	216	4	46	9	0	1	5	0	0	0	0	975	65
09:00	14	525	187	6	60	6	2	5	3	0	0	0	0	808	82
10:00	11	474	171	4	39	5	2	1	5	0	0	0	0	712	56
11:00	6	580	185	6	50	7	0	1	0	0	0	0	0	835	64
12 PM	14	607	187	7	49	8	1	0	2	0	0	0	0	875	67
13:00	10	536	187	10	38	7	4	3	8	0	0	0	0	803	70
14:00	8	663	178	4	45	2	0	5	1	0	0	0	0	906	57
15:00	18	781	236	11	50	4	0	6	1	0	0	0	0	1107	72
16:00	14	802	241	4	70	3	0	4	1	0	0	0	0	1139	82
17:00	18	780	202	6	51	3	0	2	2	0	0	0	0	1064	64
18:00	11	550	139	0	30	2	0	1	0	0	0	0	0	733	33
19:00	0	370	106	1	20	2	0	1	0	0	0	0	0	500	24
20:00	2	275	74	0	17	0	0	0	0	0	0	0	0	368	17
21:00	0	151	35	0	9	0	0	0	0	0	0	0	0	195	9
22:00	0	98	20	0	6	0	0	0	0	0	0	0	0	124	6
23:00	0	73	7	0	5	0	0	0	0	0	0	0	0	85	5
Total	158	9199	2774	79	662	68	10	33	33	0	0	0	0	13016	885
Percent	1.2%	70.7%	21.3%	0.6%	5.1%	0.5%	0.1%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%		6.8%
AM Peak	07:00	07:00	08:00	07:00	09:00	08:00	09:00	09:00	08:00					08:00	09:00
Vol.	19	699	216	7	60	9	2	5	5					975	82
PM Peak	15:00	16:00	16:00	15:00	16:00	12:00	13:00	15:00	13:00					16:00	16:00
Vol.	18	802	241	11	70	8	4	6	8					1139	82
Grand Total	306	18588	5751	180	1198	133	24	83	60	0	0	0	0	26323	1678
Percent	1.2%	70.6%	21.8%	0.7%	4.6%	0.5%	0.1%	0.3%	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: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

Start Time	09-Sep-19		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	3	4	4	1	*	*	*	*	*	*	4	2
01:00	*	*	*	*	2	1	2	1	*	*	*	*	*	*	2	1
02:00	*	*	*	*	0	0	0	1	*	*	*	*	*	*	0	0
03:00	*	*	*	*	0	1	2	2	*	*	*	*	*	*	1	2
04:00	*	*	*	*	10	11	4	7	*	*	*	*	*	*	7	9
05:00	*	*	*	*	24	26	21	22	*	*	*	*	*	*	22	24
06:00	*	*	*	*	71	47	72	49	*	*	*	*	*	*	72	48
07:00	*	*	*	*	175	102	169	129	*	*	*	*	*	*	172	116
08:00	*	*	*	*	117	92	149	98	*	*	*	*	*	*	133	95
09:00	*	*	*	*	84	81	77	87	*	*	*	*	*	*	80	84
10:00	*	*	*	*	73	61	52	76	*	*	*	*	*	*	62	68
11:00	*	*	*	*	70	59	74	90	*	*	*	*	*	*	72	74
12:00 PM	*	*	*	*	68	86	64	77	*	*	*	*	*	*	66	82
01:00	*	*	*	*	74	82	65	97	*	*	*	*	*	*	70	90
02:00	*	*	*	*	95	140	91	116	*	*	*	*	*	*	93	128
03:00	*	*	*	*	96	129	90	142	*	*	*	*	*	*	93	136
04:00	*	*	*	*	102	166	94	158	*	*	*	*	*	*	98	162
05:00	*	*	*	*	105	221	98	217	*	*	*	*	*	*	102	219
06:00	*	*	*	*	99	128	117	127	*	*	*	*	*	*	108	128
07:00	*	*	*	*	77	68	56	62	*	*	*	*	*	*	66	65
08:00	*	*	*	*	37	51	36	58	*	*	*	*	*	*	36	54
09:00	*	*	*	*	15	26	17	31	*	*	*	*	*	*	16	28
10:00	*	*	*	*	9	11	10	21	*	*	*	*	*	*	10	16
11:00	*	*	*	*	4	3	4	1	*	*	*	*	*	*	4	2
Lane	0	0	0	0	1410	1596	1368	1670	0	0	0	0	0	0	1389	1633
Day	0		0		3006		3038		0		0		0		3022	
AM Peak	-	-	-	-	07:00	07:00	07:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	175	102	169	129	-	-	-	-	-	-	172	116
PM Peak	-	-	-	-	17:00	17:00	18:00	17:00	-	-	-	-	-	-	18:00	17:00
Vol.	-	-	-	-	105	221	117	217	-	-	-	-	-	-	108	219

Comb. Total 0 0 3006 3038 0 0 0 3022

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

Start Time	11-Sep-19		NB		SB		Combined		12-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			0	16	1	22	1	38		1	20	0	16	1	36	
12:15			1	14	0	24	1	38		1	14	0	22	1	36	
12:30			1	17	2	22	3	39		1	13	1	16	2	29	
12:45			1	21	1	18	2	39		1	17	0	23	1	40	
01:00			0	19	0	21	0	40		1	11	0	23	1	34	
01:15			1	18	0	18	1	36		0	18	1	25	1	43	
01:30			0	20	0	16	0	36		1	21	0	24	1	45	
01:45			1	17	1	27	2	44		0	15	0	25	0	40	
02:00			0	25	0	35	0	60		0	19	0	28	0	47	
02:15			0	27	0	29	0	56		0	27	0	20	0	47	
02:30			0	24	0	39	0	63		0	22	0	38	0	60	
02:45			0	19	0	37	0	56		0	23	1	30	1	53	
03:00			0	26	0	31	0	57		0	20	1	27	1	47	
03:15			0	25	0	24	0	49		1	28	0	36	1	64	
03:30			0	27	1	43	1	70		0	19	0	41	0	60	
03:45			0	18	0	31	0	49		1	23	1	38	2	61	
04:00			1	32	1	31	2	63		0	27	1	37	1	64	
04:15			2	24	1	43	3	67		2	16	1	42	3	58	
04:30			3	22	2	44	5	66		2	26	2	32	4	58	
04:45			4	24	7	48	11	72		0	25	3	47	3	72	
05:00			3	33	5	50	8	83		3	35	1	55	4	90	
05:15			3	18	3	63	6	81		3	18	3	72	6	90	
05:30			6	18	4	62	10	80		9	23	9	48	18	71	
05:45			12	36	14	46	26	82		6	22	9	42	15	64	
06:00			10	21	3	39	13	60		8	34	6	42	14	76	
06:15			16	23	14	35	30	58		16	30	15	30	31	60	
06:30			14	26	12	32	26	58		21	24	10	31	31	55	
06:45			31	29	18	22	49	51		27	29	18	24	45	53	
07:00			39	25	20	18	59	43		28	14	24	18	52	32	
07:15			55	20	33	23	88	43		53	18	38	16	91	34	
07:30			38	17	27	13	65	30		46	17	39	17	85	34	
07:45			43	15	22	14	65	29		42	7	28	11	70	18	
08:00			22	13	26	11	48	24		35	10	24	17	59	27	
08:15			33	8	18	15	51	23		39	10	32	13	71	23	
08:30			29	8	25	11	54	19		36	11	19	12	55	23	
08:45			33	8	23	14	56	22		39	5	23	16	62	21	
09:00			18	7	18	12	36	19		19	6	26	12	45	18	
09:15			20	3	27	4	47	7		19	6	19	9	38	15	
09:30			14	4	22	5	36	9		15	2	19	4	34	6	
09:45			32	1	14	5	46	6		24	3	23	6	47	9	
10:00			16	2	13	7	29	9		14	1	21	6	35	7	
10:15			12	3	19	3	31	6		16	6	18	8	34	14	
10:30			26	3	14	1	40	4		10	1	19	4	29	5	
10:45			19	1	15	0	34	1		12	2	18	3	30	5	
11:00			15	2	20	3	35	5		18	1	16	1	34	2	
11:15			13	0	12	0	25	0		7	2	23	0	30	2	
11:30			28	1	11	0	39	1		20	1	23	0	43	1	
11:45			14	1	16	0	30	1		29	0	28	0	57	0	
Total			629	781	485	1111	1114	1892		626	742	563	1107	1189	1849	
Day Total			1410		1596		3006			1368		1670		3038		
% Total			20.9%	26.0%	16.1%	37.0%				20.6%	24.4%	18.5%	36.4%			
Peak	-		07:00	05:45	07:15	04:45	07:00	05:00	-	07:15	06:00	07:00	04:45	07:15	04:45	
Vol.	-		175	106	108	223	277	326	-	176	117	129	222	305	323	
P.H.F.			0.795	0.736	0.818	0.885	0.787	0.982		0.830	0.860	0.827	0.771	0.838	0.897	

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	7	5	*	*	*	6
01:00	*	*	3	3	*	*	*	3
02:00	*	*	0	1	*	*	*	0
03:00	*	*	1	4	*	*	*	2
04:00	*	*	21	11	*	*	*	16
05:00	*	*	50	43	*	*	*	46
06:00	*	*	118	121	*	*	*	120
07:00	*	*	277	298	*	*	*	288
08:00	*	*	209	247	*	*	*	228
09:00	*	*	165	164	*	*	*	164
10:00	*	*	134	128	*	*	*	131
11:00	*	*	129	164	*	*	*	146
12:00 PM	*	*	154	141	*	*	*	148
01:00	*	*	156	162	*	*	*	159
02:00	*	*	235	207	*	*	*	221
03:00	*	*	225	232	*	*	*	228
04:00	*	*	268	252	*	*	*	260
05:00	*	*	326	315	*	*	*	320
06:00	*	*	227	244	*	*	*	236
07:00	*	*	145	118	*	*	*	132
08:00	*	*	88	94	*	*	*	91
09:00	*	*	41	48	*	*	*	44
10:00	*	*	20	31	*	*	*	26
11:00	*	*	7	5	*	*	*	6
Total	0	0	3006	3038	0	0	0	
Percentage	0.0%	0.0%	99.5%	100.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	277	298	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	326	315	-	-	-	-

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	0	0	1	0	0	0	0	0	0	0	0	0	0	3
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	3	3	2	2	0	0	0	0	0	0	0	0	0	0	10
05:00	3	15	6	0	0	0	0	0	0	0	0	0	0	0	24
06:00	20	29	12	9	1	0	0	0	0	0	0	0	0	0	71
07:00	43	66	55	9	2	0	0	0	0	0	0	0	0	0	175
08:00	32	50	27	6	0	2	0	0	0	0	0	0	0	0	117
09:00	33	35	16	0	0	0	0	0	0	0	0	0	0	0	84
10:00	30	28	13	2	0	0	0	0	0	0	0	0	0	0	73
11:00	27	25	17	1	0	0	0	0	0	0	0	0	0	0	70
12 PM	22	28	18	0	0	0	0	0	0	0	0	0	0	0	68
13:00	30	21	19	4	0	0	0	0	0	0	0	0	0	0	74
14:00	33	45	12	5	0	0	0	0	0	0	0	0	0	0	95
15:00	34	35	21	4	2	0	0	0	0	0	0	0	0	0	96
16:00	22	39	38	3	0	0	0	0	0	0	0	0	0	0	102
17:00	15	49	38	3	0	0	0	0	0	0	0	0	0	0	105
18:00	18	53	25	3	0	0	0	0	0	0	0	0	0	0	99
19:00	23	33	19	2	0	0	0	0	0	0	0	0	0	0	77
20:00	12	18	6	1	0	0	0	0	0	0	0	0	0	0	37
21:00	5	5	4	1	0	0	0	0	0	0	0	0	0	0	15
22:00	4	3	2	0	0	0	0	0	0	0	0	0	0	0	9
23:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	412	585	350	56	5	2	0	0	0	0	0	0	0	0	1410

Daily

15th Percentile :	17 MPH
50th Percentile :	37 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	34 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	935
Percent in Pace :	66.3%
Number of Vehicles > 30 MPH :	1057
Percent of Vehicles > 30 MPH :	75.0%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	2	2	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	0	1	0	0	0	0	0	1	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
05:00	1	12	8	0	0	0	0	0	0	0	0	0	0	0	21
06:00	21	26	22	3	0	0	0	0	0	0	0	0	0	0	72
07:00	45	66	46	10	2	0	0	0	0	0	0	0	0	0	169
08:00	50	58	37	3	1	0	0	0	0	0	0	0	0	0	149
09:00	41	25	10	0	1	0	0	0	0	0	0	0	0	0	77
10:00	23	21	8	0	0	0	0	0	0	0	0	0	0	0	52
11:00	35	27	9	3	0	0	0	0	0	0	0	0	0	0	74
12 PM	23	23	14	2	2	0	0	0	0	0	0	0	0	0	64
13:00	23	25	14	3	0	0	0	0	0	0	0	0	0	0	65
14:00	30	41	16	4	0	0	0	0	0	0	0	0	0	0	91
15:00	30	39	19	1	1	0	0	0	0	0	0	0	0	0	90
16:00	40	39	14	1	0	0	0	0	0	0	0	0	0	0	94
17:00	23	45	22	7	1	0	0	0	0	0	0	0	0	0	98
18:00	30	52	29	5	1	0	0	0	0	0	0	0	0	0	117
19:00	18	25	9	4	0	0	0	0	0	0	0	0	0	0	56
20:00	12	13	10	0	1	0	0	0	0	0	0	0	0	0	36
21:00	4	8	4	1	0	0	0	0	0	0	0	0	0	0	17
22:00	1	3	6	0	0	0	0	0	0	0	0	0	0	0	10
23:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4
Total	454	554	302	47	10	0	0	1	0	0	0	0	0	0	1368

Daily
 15th Percentile : 15 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 856
 Percent in Pace : 62.6%
 Number of Vehicles > 30 MPH : 979
 Percent of Vehicles > 30 MPH : 71.6%

Grand Total	866	1139	652	103	15	2	0	1	0	0	0	0	0	0	2778
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Overall
 15th Percentile : 16 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1791
 Percent in Pace : 64.5%
 Number of Vehicles > 30 MPH : 2036
 Percent of Vehicles > 30 MPH : 73.3%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	4	3	0	2	1	1	0	0	0	0	0	0	0	0	11
05:00	8	10	5	3	0	0	0	0	0	0	0	0	0	0	26
06:00	11	15	19	2	0	0	0	0	0	0	0	0	0	0	47
07:00	40	45	14	2	1	0	0	0	0	0	0	0	0	0	102
08:00	30	40	18	3	1	0	0	0	0	0	0	0	0	0	92
09:00	33	29	17	2	0	0	0	0	0	0	0	0	0	0	81
10:00	27	28	6	0	0	0	0	0	0	0	0	0	0	0	61
11:00	23	26	7	3	0	0	0	0	0	0	0	0	0	0	59
12 PM	41	32	11	2	0	0	0	0	0	0	0	0	0	0	86
13:00	39	34	8	1	0	0	0	0	0	0	0	0	0	0	82
14:00	61	53	23	2	1	0	0	0	0	0	0	0	0	0	140
15:00	40	52	31	5	1	0	0	0	0	0	0	0	0	0	129
16:00	25	90	40	8	2	0	0	1	0	0	0	0	0	0	166
17:00	52	107	54	7	0	1	0	0	0	0	0	0	0	0	221
18:00	34	62	26	5	1	0	0	0	0	0	0	0	0	0	128
19:00	22	36	9	1	0	0	0	0	0	0	0	0	0	0	68
20:00	18	23	10	0	0	0	0	0	0	0	0	0	0	0	51
21:00	3	14	6	3	0	0	0	0	0	0	0	0	0	0	26
22:00	2	5	2	2	0	0	0	0	0	0	0	0	0	0	11
23:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	516	709	307	53	8	2	0	1	0	0	0	0	0	0	1596

Daily

15th Percentile :	16 MPH
50th Percentile :	36 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1016
Percent in Pace :	63.7%
Number of Vehicles > 30 MPH :	1154
Percent of Vehicles > 30 MPH :	72.3%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	2	5	0	0	0	0	0	0	0	0	0	0	0	0	7
05:00	9	5	7	1	0	0	0	0	0	0	0	0	0	0	22
06:00	11	18	16	4	0	0	0	0	0	0	0	0	0	0	49
07:00	54	41	28	6	0	0	0	0	0	0	0	0	0	0	129
08:00	45	38	13	2	0	0	0	0	0	0	0	0	0	0	98
09:00	49	27	11	0	0	0	0	0	0	0	0	0	0	0	87
10:00	41	22	11	2	0	0	0	0	0	0	0	0	0	0	76
11:00	50	27	13	0	0	0	0	0	0	0	0	0	0	0	90
12 PM	36	31	7	3	0	0	0	0	0	0	0	0	0	0	77
13:00	52	34	10	1	0	0	0	0	0	0	0	0	0	0	97
14:00	43	49	19	5	0	0	0	0	0	0	0	0	0	0	116
15:00	44	62	31	5	0	0	0	0	0	0	0	0	0	0	142
16:00	47	66	37	7	1	0	0	0	0	0	0	0	0	0	158
17:00	68	98	44	7	0	0	0	0	0	0	0	0	0	0	217
18:00	19	71	28	9	0	0	0	0	0	0	0	0	0	0	127
19:00	27	20	10	5	0	0	0	0	0	0	0	0	0	0	62
20:00	16	28	13	1	0	0	0	0	0	0	0	0	0	0	58
21:00	6	17	7	1	0	0	0	0	0	0	0	0	0	0	31
22:00	5	7	7	2	0	0	0	0	0	0	0	0	0	0	21
23:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	629	666	313	61	1	0	0	0	0	0	0	0	0	0	1670

Daily
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 979
 Percent in Pace : 58.6%
 Number of Vehicles > 30 MPH : 1131
 Percent of Vehicles > 30 MPH : 67.7%

Grand Total	1145	1375	620	114	9	2	0	1	0	0	0	0	0	0	3266
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Overall
 15th Percentile : 14 MPH
 50th Percentile : 36 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1995
 Percent in Pace : 61.1%
 Number of Vehicles > 30 MPH : 2285
 Percent of Vehicles > 30 MPH : 70.0%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	3	1	1	0	0	0	0	0	0	0	0	0	0	7
01:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	7	6	2	4	1	1	0	0	0	0	0	0	0	0	21
05:00	11	25	11	3	0	0	0	0	0	0	0	0	0	0	50
06:00	31	44	31	11	1	0	0	0	0	0	0	0	0	0	118
07:00	83	111	69	11	3	0	0	0	0	0	0	0	0	0	277
08:00	62	90	45	9	1	2	0	0	0	0	0	0	0	0	209
09:00	66	64	33	2	0	0	0	0	0	0	0	0	0	0	165
10:00	57	56	19	2	0	0	0	0	0	0	0	0	0	0	134
11:00	50	51	24	4	0	0	0	0	0	0	0	0	0	0	129
12 PM	63	60	29	2	0	0	0	0	0	0	0	0	0	0	154
13:00	69	55	27	5	0	0	0	0	0	0	0	0	0	0	156
14:00	94	98	35	7	1	0	0	0	0	0	0	0	0	0	235
15:00	74	87	52	9	3	0	0	0	0	0	0	0	0	0	225
16:00	47	129	78	11	2	0	0	1	0	0	0	0	0	0	268
17:00	67	156	92	10	0	1	0	0	0	0	0	0	0	0	326
18:00	52	115	51	8	1	0	0	0	0	0	0	0	0	0	227
19:00	45	69	28	3	0	0	0	0	0	0	0	0	0	0	145
20:00	30	41	16	1	0	0	0	0	0	0	0	0	0	0	88
21:00	8	19	10	4	0	0	0	0	0	0	0	0	0	0	41
22:00	6	8	4	2	0	0	0	0	0	0	0	0	0	0	20
23:00	1	6	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	928	1294	657	109	13	4	0	1	0	0	0	0	0	0	3006

Daily

15th Percentile :	17 MPH
50th Percentile :	37 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH
Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1951
Percent in Pace :	64.9%
Number of Vehicles > 30 MPH :	2211
Percent of Vehicles > 30 MPH :	73.5%

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 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
01:00	1	1	0	0	0	0	0	1	0	0	0	0	0	0	3
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
04:00	2	5	4	0	0	0	0	0	0	0	0	0	0	0	11
05:00	10	17	15	1	0	0	0	0	0	0	0	0	0	0	43
06:00	32	44	38	7	0	0	0	0	0	0	0	0	0	0	121
07:00	99	107	74	16	2	0	0	0	0	0	0	0	0	0	298
08:00	95	96	50	5	1	0	0	0	0	0	0	0	0	0	247
09:00	90	52	21	0	1	0	0	0	0	0	0	0	0	0	164
10:00	64	43	19	2	0	0	0	0	0	0	0	0	0	0	128
11:00	85	54	22	3	0	0	0	0	0	0	0	0	0	0	164
12 PM	59	54	21	5	2	0	0	0	0	0	0	0	0	0	141
13:00	75	59	24	4	0	0	0	0	0	0	0	0	0	0	162
14:00	73	90	35	9	0	0	0	0	0	0	0	0	0	0	207
15:00	74	101	50	6	1	0	0	0	0	0	0	0	0	0	232
16:00	87	105	51	8	1	0	0	0	0	0	0	0	0	0	252
17:00	91	143	66	14	1	0	0	0	0	0	0	0	0	0	315
18:00	49	123	57	14	1	0	0	0	0	0	0	0	0	0	244
19:00	45	45	19	9	0	0	0	0	0	0	0	0	0	0	118
20:00	28	41	23	1	1	0	0	0	0	0	0	0	0	0	94
21:00	10	25	11	2	0	0	0	0	0	0	0	0	0	0	48
22:00	6	10	13	2	0	0	0	0	0	0	0	0	0	0	31
23:00	1	2	2	0	0	0	0	0	0	0	0	0	0	0	5
Total	1083	1220	615	108	11	0	0	1	0	0	0	0	0	0	3038

Daily
 15th Percentile : 14 MPH
 50th Percentile : 36 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1835
 Percent in Pace : 60.4%
 Number of Vehicles > 30 MPH : 2110
 Percent of Vehicles > 30 MPH : 69.4%

Grand Total	2011	2514	1272	217	24	4	0	2	0	0	0	0	0	0	6044
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Overall
 15th Percentile : 15 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3786
 Percent in Pace : 62.6%
 Number of Vehicles > 30 MPH : 4320
 Percent of Vehicles > 30 MPH : 71.5%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	2	0	6	0	0	0	0	0	0	0	0	10	6
05:00	0	9	10	0	5	0	0	0	0	0	0	0	0	24	5
06:00	0	33	20	5	8	1	2	0	1	0	0	0	0	70	17
07:00	3	85	57	2	25	1	0	1	0	0	0	0	0	174	29
08:00	0	58	42	0	9	5	0	2	1	0	0	0	0	117	17
09:00	0	30	29	0	17	5	0	2	0	0	0	0	0	83	24
10:00	0	28	25	1	8	5	2	3	0	0	0	0	0	72	19
11:00	0	26	27	1	10	3	2	1	0	0	0	0	0	70	17
12 PM	1	28	19	1	14	4	0	0	0	0	0	0	0	67	19
13:00	1	27	26	0	11	5	2	2	0	0	0	0	0	74	20
14:00	2	35	31	3	20	3	0	0	0	0	0	0	0	94	26
15:00	2	43	31	3	14	0	0	1	0	0	0	0	0	94	18
16:00	1	41	44	0	16	0	0	0	0	0	0	0	0	102	16
17:00	0	49	42	0	11	1	0	2	0	0	0	0	0	105	14
18:00	1	37	38	0	20	0	0	2	0	0	0	0	0	98	22
19:00	0	37	28	0	11	0	0	0	0	0	0	0	0	76	11
20:00	0	17	18	0	2	0	0	0	0	0	0	0	0	37	2
21:00	0	11	2	0	2	0	0	0	0	0	0	0	0	15	2
22:00	0	7	2	0	0	0	0	0	0	0	0	0	0	9	0
23:00	0	1	3	0	0	0	0	0	0	0	0	0	0	4	0
Total	11	606	497	16	210	33	8	16	2	0	0	0	0	1399	285
Percent	0.8%	43.3%	35.5%	1.1%	15.0%	2.4%	0.6%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%		20.4%
AM Peak	07:00	07:00	07:00	06:00	07:00	08:00	06:00	10:00	06:00					07:00	07:00
Vol.	3	85	57	5	25	5	2	3	1					174	29
PM Peak	14:00	17:00	16:00	14:00	14:00	13:00	13:00	13:00						17:00	14:00
Vol.	2	49	44	3	20	5	2	2						105	26

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB	Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
	09/12/19	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
	01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:00	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1
	04:00	0	0	2	0	2	0	0	0	0	0	0	0	0	4	2
	05:00	0	11	5	0	5	0	0	0	0	0	0	0	0	21	5
	06:00	0	31	21	4	11	0	1	3	1	0	0	0	0	72	20
	07:00	1	81	51	2	21	4	0	9	0	0	0	0	0	169	36
	08:00	1	53	54	1	29	5	3	2	0	0	0	0	0	148	40
	09:00	0	24	29	3	11	7	1	1	1	0	0	0	0	77	24
	10:00	0	20	17	1	6	8	0	0	0	0	0	0	0	52	15
	11:00	0	32	24	0	12	4	1	1	0	0	0	0	0	74	18
	12 PM	0	22	17	0	18	6	1	0	0	0	0	0	0	64	25
	13:00	0	30	17	2	9	5	1	1	0	0	0	0	0	65	18
	14:00	0	33	39	2	13	3	0	0	0	0	0	0	0	90	18
	15:00	1	35	36	2	16	0	0	0	0	0	0	0	0	90	18
	16:00	2	42	32	1	16	0	0	1	0	0	0	0	0	94	18
	17:00	0	53	33	0	12	0	0	0	0	0	0	0	0	98	12
	18:00	1	54	46	0	14	1	0	0	0	0	0	0	0	116	15
	19:00	0	24	22	1	9	0	0	0	0	0	0	0	0	56	10
	20:00	0	10	19	0	7	0	0	0	0	0	0	0	0	36	7
	21:00	0	10	5	0	2	0	0	0	0	0	0	0	0	17	2
	22:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
	23:00	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0
	Total	6	579	474	19	216	43	8	18	2	0	0	0	0	1365	306
	Percent	0.4%	42.4%	34.7%	1.4%	15.8%	3.2%	0.6%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%		22.4%
	AM Peak	07:00	07:00	08:00	06:00	08:00	10:00	08:00	07:00	06:00					07:00	08:00
	Vol.	1	81	54	4	29	8	3	9	1					169	40
	PM Peak	16:00	18:00	18:00	13:00	12:00	12:00	12:00	13:00						18:00	12:00
	Vol.	2	54	46	2	18	6	1	1						116	25
	Grand Total	17	1185	971	35	426	76	16	34	4	0	0	0	0	2764	591
	Percent	0.6%	42.9%	35.1%	1.3%	15.4%	2.7%	0.6%	1.2%	0.1%	0.0%	0.0%	0.0%	0.0%		21.4%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	3	0	0	1	0	0	0	0	0	0	0	0	4	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
04:00	0	7	1	0	3	0	0	0	0	0	0	0	0	11	3
05:00	0	14	7	0	5	0	0	0	0	0	0	0	0	26	5
06:00	0	28	12	0	7	0	0	0	0	0	0	0	0	47	7
07:00	1	58	25	2	12	2	0	0	0	0	0	0	0	100	16
08:00	1	43	26	3	11	3	3	0	1	0	0	0	0	91	21
09:00	0	31	22	0	18	3	4	2	0	0	0	0	0	80	27
10:00	0	29	14	2	8	3	4	1	0	0	0	0	0	61	18
11:00	1	36	12	0	4	2	1	3	0	0	0	0	0	59	10
12 PM	2	43	22	2	13	1	2	0	0	0	0	0	0	85	18
13:00	1	39	18	0	15	2	5	0	0	0	0	0	0	80	22
14:00	1	59	38	4	22	5	4	3	1	0	0	0	0	137	39
15:00	3	59	41	6	16	1	0	3	0	0	0	0	0	129	26
16:00	5	93	47	2	19	0	0	0	0	0	0	0	0	166	21
17:00	0	125	68	1	24	1	0	1	0	0	0	0	0	220	27
18:00	0	72	34	3	18	0	0	1	0	0	0	0	0	128	22
19:00	0	33	25	0	8	0	0	2	0	0	0	0	0	68	10
20:00	0	27	19	0	4	0	0	0	0	0	0	0	0	50	4
21:00	0	10	10	0	6	0	0	0	0	0	0	0	0	26	6
22:00	1	5	3	0	2	0	0	0	0	0	0	0	0	11	2
23:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3	0
Total	16	816	446	25	217	23	23	16	2	0	0	0	0	1584	306
Percent	1.0%	51.5%	28.2%	1.6%	13.7%	1.5%	1.5%	1.0%	0.1%	0.0%	0.0%	0.0%	0.0%		19.3%
AM Peak Vol.	07:00	07:00	08:00	08:00	09:00	08:00	09:00	11:00	08:00					07:00	09:00
PM Peak Vol.	16:00	17:00	17:00	15:00	17:00	14:00	13:00	14:00	14:00					17:00	14:00
	5	125	68	6	24	5	5	3	1					220	39

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1
04:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7	0
05:00	0	11	5	1	5	0	0	0	0	0	0	0	0	22	6
06:00	0	29	8	0	11	0	0	0	0	0	0	0	0	48	11
07:00	2	72	34	2	14	1	2	0	0	0	0	0	0	127	19
08:00	2	45	19	2	20	3	3	2	0	0	0	0	0	96	30
09:00	1	36	17	1	21	5	2	3	0	0	0	0	0	86	32
10:00	0	34	17	1	15	4	1	0	0	0	0	0	0	72	21
11:00	0	41	22	2	11	4	4	4	0	0	0	0	0	88	25
12 PM	0	30	23	2	14	4	2	1	0	0	0	0	0	76	23
13:00	1	44	25	2	17	0	5	0	0	0	0	0	0	94	24
14:00	0	57	37	3	15	3	0	1	0	0	0	0	0	116	22
15:00	0	71	31	4	29	3	1	2	0	0	0	0	0	141	39
16:00	1	92	40	1	19	0	0	3	0	0	0	0	0	156	23
17:00	1	127	58	1	28	0	0	2	0	0	0	0	0	217	31
18:00	0	69	40	1	16	1	0	0	0	0	0	0	0	127	18
19:00	1	39	15	0	7	0	0	0	0	0	0	0	0	62	7
20:00	0	31	16	0	10	0	0	0	0	0	0	0	0	57	10
21:00	0	16	14	0	1	0	0	0	0	0	0	0	0	31	1
22:00	0	14	5	0	2	0	0	0	0	0	0	0	0	21	2
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	9	865	430	23	257	28	20	18	0	0	0	0	0	1650	346
Percent	0.5%	52.4%	26.1%	1.4%	15.6%	1.7%	1.2%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%		21.0%
AM Peak	07:00	07:00	07:00	07:00	09:00	09:00	11:00	11:00						07:00	09:00
Vol.	2	72	34	2	21	5	4	4						127	32
PM Peak	13:00	17:00	17:00	15:00	15:00	12:00	13:00	16:00						17:00	15:00
Vol.	1	127	58	4	29	4	5	3						217	39
Grand Total	25	1681	876	48	474	51	43	34	2	0	0	0	0	3234	652
Percent	0.8%	52.0%	27.1%	1.5%	14.7%	1.6%	1.3%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%		20.2%

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Community: Hanover
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Station ID:
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 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	5	1	0	1	0	0	0	0	0	0	0	0	7	1
01:00	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
04:00	0	9	3	0	9	0	0	0	0	0	0	0	0	21	9
05:00	0	23	17	0	10	0	0	0	0	0	0	0	0	50	10
06:00	0	61	32	5	15	1	2	0	1	0	0	0	0	117	24
07:00	4	143	82	4	37	3	0	1	0	0	0	0	0	274	45
08:00	1	101	68	3	20	8	3	2	2	0	0	0	0	208	38
09:00	0	61	51	0	35	8	4	4	0	0	0	0	0	163	51
10:00	0	57	39	3	16	8	6	4	0	0	0	0	0	133	37
11:00	1	62	39	1	14	5	3	4	0	0	0	0	0	129	27
12 PM	3	71	41	3	27	5	2	0	0	0	0	0	0	152	37
13:00	2	66	44	0	26	7	7	2	0	0	0	0	0	154	42
14:00	3	94	69	7	42	8	4	3	1	0	0	0	0	231	65
15:00	5	102	72	9	30	1	0	4	0	0	0	0	0	223	44
16:00	6	134	91	2	35	0	0	0	0	0	0	0	0	268	37
17:00	0	174	110	1	35	2	0	3	0	0	0	0	0	325	41
18:00	1	109	72	3	38	0	0	3	0	0	0	0	0	226	44
19:00	0	70	53	0	19	0	0	2	0	0	0	0	0	144	21
20:00	0	44	37	0	6	0	0	0	0	0	0	0	0	87	6
21:00	0	21	12	0	8	0	0	0	0	0	0	0	0	41	8
22:00	1	12	5	0	2	0	0	0	0	0	0	0	0	20	2
23:00	0	2	5	0	0	0	0	0	0	0	0	0	0	7	0
Total	27	1422	943	41	427	56	31	32	4	0	0	0	0	2983	591
Percent	0.9%	47.7%	31.6%	1.4%	14.3%	1.9%	1.0%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%		19.8%
AM Peak Vol.	07:00	07:00	07:00	06:00	07:00	08:00	10:00	09:00	08:00					07:00	09:00
PM Peak Vol.	16:00	17:00	17:00	15:00	14:00	14:00	13:00	15:00	14:00					17:00	14:00
	4	143	82	5	37	8	6	4	2					274	51
	6	174	110	9	42	8	7	4	1					325	65

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 32538
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, north of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
01:00	0	0	0	0	3	0	0	0	0	0	0	0	0	3	3
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	2	0	0	0	0	0	0	0	0	4	2
04:00	0	4	5	0	2	0	0	0	0	0	0	0	0	11	2
05:00	0	22	10	1	10	0	0	0	0	0	0	0	0	43	11
06:00	0	60	29	4	22	0	1	3	1	0	0	0	0	120	31
07:00	3	153	85	4	35	5	2	9	0	0	0	0	0	296	55
08:00	3	98	73	3	49	8	6	4	0	0	0	0	0	244	70
09:00	1	60	46	4	32	12	3	4	1	0	0	0	0	163	56
10:00	0	54	34	2	21	12	1	0	0	0	0	0	0	124	36
11:00	0	73	46	2	23	8	5	5	0	0	0	0	0	162	43
12 PM	0	52	40	2	32	10	3	1	0	0	0	0	0	140	48
13:00	1	74	42	4	26	5	6	1	0	0	0	0	0	159	42
14:00	0	90	76	5	28	6	0	1	0	0	0	0	0	206	40
15:00	1	106	67	6	45	3	1	2	0	0	0	0	0	231	57
16:00	3	134	72	2	35	0	0	4	0	0	0	0	0	250	41
17:00	1	180	91	1	40	0	0	2	0	0	0	0	0	315	43
18:00	1	123	86	1	30	2	0	0	0	0	0	0	0	243	33
19:00	1	63	37	1	16	0	0	0	0	0	0	0	0	118	17
20:00	0	41	35	0	17	0	0	0	0	0	0	0	0	93	17
21:00	0	26	19	0	3	0	0	0	0	0	0	0	0	48	3
22:00	0	22	7	0	2	0	0	0	0	0	0	0	0	31	2
23:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
Total	15	1444	904	42	473	71	28	36	2	0	0	0	0	3015	652
Percent	0.5%	47.9%	30.0%	1.4%	15.7%	2.4%	0.9%	1.2%	0.1%	0.0%	0.0%	0.0%	0.0%		21.6%
AM Peak Vol.	07:00	07:00	07:00	06:00	08:00	09:00	08:00	07:00	06:00					07:00	08:00
PM Peak Vol.	16:00	17:00	17:00	15:00	15:00	12:00	13:00	16:00						17:00	15:00
Grand Total	42	2866	1847	83	900	127	59	68	6	0	0	0	0	5998	1243
Percent	0.7%	47.8%	30.8%	1.4%	15.0%	2.1%	1.0%	1.1%	0.1%	0.0%	0.0%	0.0%	0.0%		20.7%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

Start Time	09-Sep-19		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	*	*	*	*	2	2	4	2	*	*	*	*	*	*	3	2
01:00	*	*	*	*	1	1	2	0	*	*	*	*	*	*	2	0
02:00	*	*	*	*	0	0	0	1	*	*	*	*	*	*	0	0
03:00	*	*	*	*	0	1	1	0	*	*	*	*	*	*	0	0
04:00	*	*	*	*	11	4	9	3	*	*	*	*	*	*	10	4
05:00	*	*	*	*	28	17	23	15	*	*	*	*	*	*	26	16
06:00	*	*	*	*	95	35	86	33	*	*	*	*	*	*	90	34
07:00	*	*	*	*	183	64	185	70	*	*	*	*	*	*	184	67
08:00	*	*	*	*	101	61	128	65	*	*	*	*	*	*	114	63
09:00	*	*	*	*	67	60	59	64	*	*	*	*	*	*	63	62
10:00	*	*	*	*	55	56	51	77	*	*	*	*	*	*	53	66
11:00	*	*	*	*	62	41	53	74	*	*	*	*	*	*	58	58
12:00 PM	*	*	*	*	65	73	51	82	*	*	*	*	*	*	58	78
01:00	*	*	*	*	57	65	45	73	*	*	*	*	*	*	51	69
02:00	*	*	*	*	63	103	59	85	*	*	*	*	*	*	61	94
03:00	*	*	*	*	54	112	63	131	*	*	*	*	*	*	58	122
04:00	*	*	*	*	63	146	60	133	*	*	*	*	*	*	62	140
05:00	*	*	*	*	63	197	52	177	*	*	*	*	*	*	58	187
06:00	*	*	*	*	65	106	69	100	*	*	*	*	*	*	67	103
07:00	*	*	*	*	44	60	26	48	*	*	*	*	*	*	35	54
08:00	*	*	*	*	22	41	23	44	*	*	*	*	*	*	22	42
09:00	*	*	*	*	11	21	14	25	*	*	*	*	*	*	12	23
10:00	*	*	*	*	2	18	6	18	*	*	*	*	*	*	4	18
11:00	*	*	*	*	3	5	4	1	*	*	*	*	*	*	4	3
Lane	0	0	0	0	1117	1289	1073	1321	0	0	0	0	0	0	1095	1305
Day	0	0	0	0	2406	2394	0	0	0	0	0	0	0	0	2400	
AM Peak	-	-	-	-	07:00	07:00	07:00	10:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	183	64	185	77	-	-	-	-	-	-	184	67
PM Peak	-	-	-	-	12:00	17:00	18:00	17:00	-	-	-	-	-	-	18:00	17:00
Vol.	-	-	-	-	65	197	69	177	-	-	-	-	-	-	67	187

Comb. Total 0 0 2406 2394 0 0 0 2400

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

Start Time	11-Sep-19		NB		SB		Combined		12-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			0	17	1	21	1	38		1	18	0	21	1	39	
12:15			1	15	0	15	1	30		1	13	0	21	1	34	
12:30			0	16	1	21	1	37		1	8	1	20	2	28	
12:45			1	17	0	16	1	33		1	12	1	20	2	32	
01:00			0	18	0	18	0	36		1	11	0	16	1	27	
01:15			1	12	0	14	1	26		0	14	0	18	0	32	
01:30			0	11	0	13	0	24		1	13	0	20	1	33	
01:45			0	16	1	20	1	36		0	7	0	19	0	26	
02:00			0	21	0	23	0	44		0	6	0	22	0	28	
02:15			0	16	0	20	0	36		0	21	0	14	0	35	
02:30			0	14	0	29	0	43		0	15	0	28	0	43	
02:45			0	12	0	31	0	43		0	17	1	21	1	38	
03:00			0	15	0	36	0	51		0	16	0	25	0	41	
03:15			0	8	0	18	0	26		0	17	0	29	0	46	
03:30			0	16	1	29	1	45		0	18	0	37	0	55	
03:45			0	15	0	29	0	44		1	12	0	40	1	52	
04:00			2	18	0	28	2	46		1	12	0	36	1	48	
04:15			2	22	1	36	3	58		2	11	0	39	2	50	
04:30			2	12	0	34	2	46		2	15	1	22	3	37	
04:45			5	11	3	48	8	59		4	22	2	36	6	58	
05:00			3	22	2	42	5	64		1	17	1	49	2	66	
05:15			4	8	2	64	6	72		4	10	5	54	9	64	
05:30			8	9	5	45	13	54		12	13	4	47	16	60	
05:45			13	24	8	46	21	70		6	12	5	27	11	39	
06:00			15	13	4	29	19	42		14	17	8	32	22	49	
06:15			18	21	10	32	28	53		15	17	7	23	22	40	
06:30			25	11	6	26	31	37		28	14	6	32	34	46	
06:45			37	20	15	19	52	39		29	21	12	13	41	34	
07:00			36	18	13	13	49	31		34	4	17	14	51	18	
07:15			58	13	20	24	78	37		51	6	18	9	69	15	
07:30			44	9	12	10	56	19		47	11	18	18	65	29	
07:45			45	4	19	13	64	17		53	5	17	7	70	12	
08:00			16	4	16	5	32	9		33	10	19	18	52	28	
08:15			31	4	17	12	48	16		31	5	23	11	54	16	
08:30			26	9	12	10	38	19		35	5	13	7	48	12	
08:45			28	5	16	14	44	19		29	3	10	8	39	11	
09:00			16	3	14	9	30	12		16	2	24	11	40	13	
09:15			13	4	19	4	32	8		15	8	8	8	23	16	
09:30			13	2	17	4	30	6		10	2	10	3	20	5	
09:45			25	2	10	4	35	6		18	2	22	3	40	5	
10:00			16	1	16	11	32	12		18	0	20	6	38	6	
10:15			6	0	12	4	18	4		11	3	13	6	24	9	
10:30			22	1	14	3	36	4		11	1	24	2	35	3	
10:45			11	0	14	0	25	0		11	2	20	4	31	6	
11:00			14	2	13	4	27	6		14	3	14	1	28	4	
11:15			12	0	13	1	25	1		7	1	17	0	24	1	
11:30			19	1	8	0	27	1		13	0	23	0	36	0	
11:45			17	0	7	0	24	0		19	0	20	0	39	0	
Total			605	512	342	947	947	1459		601	472	404	917	1005	1389	
Day Total			1117		1289		2406			1073		1321		2394		
% Total			25.1%	21.3%	14.2%	39.4%				25.1%	19.7%	16.9%	38.3%			
Peak	-		07:00	03:30	07:15	04:45	07:00	05:00	-	07:00	02:15	09:45	04:45	07:15	04:45	
Vol.	-		183	71	67	199	247	260	-	185	69	79	186	256	248	
P.H.F.			0.789	0.807	0.838	0.777	0.792	0.903		0.873	0.821	0.823	0.861	0.914	0.939	

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	4	6	*	*	*	5
01:00	*	*	2	2	*	*	*	2
02:00	*	*	0	1	*	*	*	0
03:00	*	*	1	1	*	*	*	1
04:00	*	*	15	12	*	*	*	14
05:00	*	*	45	38	*	*	*	42
06:00	*	*	130	119	*	*	*	124
07:00	*	*	247	255	*	*	*	251
08:00	*	*	162	193	*	*	*	178
09:00	*	*	127	123	*	*	*	125
10:00	*	*	111	128	*	*	*	120
11:00	*	*	103	127	*	*	*	115
12:00 PM	*	*	138	133	*	*	*	136
01:00	*	*	122	118	*	*	*	120
02:00	*	*	166	144	*	*	*	155
03:00	*	*	166	194	*	*	*	180
04:00	*	*	209	193	*	*	*	201
05:00	*	*	260	229	*	*	*	244
06:00	*	*	171	169	*	*	*	170
07:00	*	*	104	74	*	*	*	89
08:00	*	*	63	67	*	*	*	65
09:00	*	*	32	39	*	*	*	36
10:00	*	*	20	24	*	*	*	22
11:00	*	*	8	5	*	*	*	6
Total	0	0	2406	2394	0	0	0	
Percentage	0.0%	0.0%	100.2%	99.7%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	247	255	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	260	229	-	-	-	-

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	8	2	1	0	0	0	0	0	0	0	0	0	0	0	11
05:00	24	4	0	0	0	0	0	0	0	0	0	0	0	0	28
06:00	81	11	2	1	0	0	0	0	0	0	0	0	0	0	95
07:00	156	25	1	1	0	0	0	0	0	0	0	0	0	0	183
08:00	93	8	0	0	0	0	0	0	0	0	0	0	0	0	101
09:00	63	3	1	0	0	0	0	0	0	0	0	0	0	0	67
10:00	48	6	1	0	0	0	0	0	0	0	0	0	0	0	55
11:00	55	6	0	1	0	0	0	0	0	0	0	0	0	0	62
12 PM	59	6	0	0	0	0	0	0	0	0	0	0	0	0	65
13:00	48	7	2	0	0	0	0	0	0	0	0	0	0	0	57
14:00	57	5	1	0	0	0	0	0	0	0	0	0	0	0	63
15:00	48	5	1	0	0	0	0	0	0	0	0	0	0	0	54
16:00	55	8	0	0	0	0	0	0	0	0	0	0	0	0	63
17:00	54	7	2	0	0	0	0	0	0	0	0	0	0	0	63
18:00	55	10	0	0	0	0	0	0	0	0	0	0	0	0	65
19:00	37	7	0	0	0	0	0	0	0	0	0	0	0	0	44
20:00	19	3	0	0	0	0	0	0	0	0	0	0	0	0	22
21:00	9	2	0	0	0	0	0	0	0	0	0	0	0	0	11
22:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	977	125	12	3	0	0	0	0	0	0	0	0	0	0	1117

Daily

15th Percentile :	6 MPH
50th Percentile :	20 MPH
85th Percentile :	34 MPH
95th Percentile :	38 MPH

Mean Speed(Average) :	21 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	279
Percent in Pace :	25.0%
Number of Vehicles > 30 MPH :	280
Percent of Vehicles > 30 MPH :	25.0%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	4	2	3	0	0	0	0	0	0	0	0	0	0	0	9
05:00	21	2	0	0	0	0	0	0	0	0	0	0	0	0	23
06:00	76	10	0	0	0	0	0	0	0	0	0	0	0	0	86
07:00	159	26	0	0	0	0	0	0	0	0	0	0	0	0	185
08:00	117	11	0	0	0	0	0	0	0	0	0	0	0	0	128
09:00	50	9	0	0	0	0	0	0	0	0	0	0	0	0	59
10:00	44	7	0	0	0	0	0	0	0	0	0	0	0	0	51
11:00	48	5	0	0	0	0	0	0	0	0	0	0	0	0	53
12 PM	44	6	0	1	0	0	0	0	0	0	0	0	0	0	51
13:00	39	5	1	0	0	0	0	0	0	0	0	0	0	0	45
14:00	52	6	1	0	0	0	0	0	0	0	0	0	0	0	59
15:00	55	8	0	0	0	0	0	0	0	0	0	0	0	0	63
16:00	53	7	0	0	0	0	0	0	0	0	0	0	0	0	60
17:00	36	14	2	0	0	0	0	0	0	0	0	0	0	0	52
18:00	62	7	0	0	0	0	0	0	0	0	0	0	0	0	69
19:00	23	3	0	0	0	0	0	0	0	0	0	0	0	0	26
20:00	19	4	0	0	0	0	0	0	0	0	0	0	0	0	23
21:00	13	1	0	0	0	0	0	0	0	0	0	0	0	0	14
22:00	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	929	135	8	1	0	0	0	0	0	0	0	0	0	0	1073

Daily
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 268
 Percent in Pace : 25.0%
 Number of Vehicles > 30 MPH : 277
 Percent of Vehicles > 30 MPH : 25.8%

Grand Total	1906	260	20	4	0	0	0	0	0	0	0	0	0	0	2190
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 1-10 MPH
 Number in Pace : 545
 Percent in Pace : 24.9%
 Number of Vehicles > 30 MPH : 556
 Percent of Vehicles > 30 MPH : 25.4%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
05:00	11	3	3	0	0	0	0	0	0	0	0	0	0	0	17
06:00	30	5	0	0	0	0	0	0	0	0	0	0	0	0	35
07:00	50	13	1	0	0	0	0	0	0	0	0	0	0	0	64
08:00	52	8	1	0	0	0	0	0	0	0	0	0	0	0	61
09:00	55	5	0	0	0	0	0	0	0	0	0	0	0	0	60
10:00	54	2	0	0	0	0	0	0	0	0	0	0	0	0	56
11:00	36	4	0	1	0	0	0	0	0	0	0	0	0	0	41
12 PM	64	9	0	0	0	0	0	0	0	0	0	0	0	0	73
13:00	57	7	1	0	0	0	0	0	0	0	0	0	0	0	65
14:00	84	17	1	0	0	0	1	0	0	0	0	0	0	0	103
15:00	87	20	4	1	0	0	0	0	0	0	0	0	0	0	112
16:00	115	25	5	0	0	0	1	0	0	0	0	0	0	0	146
17:00	145	44	5	2	1	0	0	0	0	0	0	0	0	0	197
18:00	83	20	2	1	0	0	0	0	0	0	0	0	0	0	106
19:00	54	5	1	0	0	0	0	0	0	0	0	0	0	0	60
20:00	37	3	1	0	0	0	0	0	0	0	0	0	0	0	41
21:00	13	7	1	0	0	0	0	0	0	0	0	0	0	0	21
22:00	14	4	0	0	0	0	0	0	0	0	0	0	0	0	18
23:00	3	2	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	1049	204	28	5	1	0	2	0	0	0	0	0	0	0	1289

Daily

15th Percentile :	6 MPH
50th Percentile :	21 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH
Mean Speed(Average) :	22 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	354
Percent in Pace :	27.5%
Number of Vehicles > 30 MPH :	390
Percent of Vehicles > 30 MPH :	30.2%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	13	2	0	0	0	0	0	0	0	0	0	0	0	0	15
06:00	27	4	2	0	0	0	0	0	0	0	0	0	0	0	33
07:00	51	16	2	1	0	0	0	0	0	0	0	0	0	0	70
08:00	58	7	0	0	0	0	0	0	0	0	0	0	0	0	65
09:00	59	5	0	0	0	0	0	0	0	0	0	0	0	0	64
10:00	66	8	3	0	0	0	0	0	0	0	0	0	0	0	77
11:00	66	7	1	0	0	0	0	0	0	0	0	0	0	0	74
12 PM	70	11	1	0	0	0	0	0	0	0	0	0	0	0	82
13:00	57	14	2	0	0	0	0	0	0	0	0	0	0	0	73
14:00	62	21	2	0	0	0	0	0	0	0	0	0	0	0	85
15:00	102	28	1	0	0	0	0	0	0	0	0	0	0	0	131
16:00	98	30	3	2	0	0	0	0	0	0	0	0	0	0	133
17:00	130	46	1	0	0	0	0	0	0	0	0	0	0	0	177
18:00	77	20	3	0	0	0	0	0	0	0	0	0	0	0	100
19:00	36	11	1	0	0	0	0	0	0	0	0	0	0	0	48
20:00	33	10	1	0	0	0	0	0	0	0	0	0	0	0	44
21:00	21	4	0	0	0	0	0	0	0	0	0	0	0	0	25
22:00	13	4	1	0	0	0	0	0	0	0	0	0	0	0	18
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	1043	251	24	3	0	0	0	0	0	0	0	0	0	0	1321

Daily
 15th Percentile : 6 MPH
 50th Percentile : 22 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 400
 Percent in Pace : 30.3%
 Number of Vehicles > 30 MPH : 427
 Percent of Vehicles > 30 MPH : 32.3%

Grand Total	2092	455	52	8	1	0	2	0	0	0	0	0	0	0	2610
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 21 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 754
 Percent in Pace : 28.9%
 Number of Vehicles > 30 MPH : 817
 Percent of Vehicles > 30 MPH : 31.3%

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Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	10	2	3	0	0	0	0	0	0	0	0	0	0	0	15
05:00	35	7	3	0	0	0	0	0	0	0	0	0	0	0	45
06:00	111	16	2	1	0	0	0	0	0	0	0	0	0	0	130
07:00	206	38	2	1	0	0	0	0	0	0	0	0	0	0	247
08:00	145	16	1	0	0	0	0	0	0	0	0	0	0	0	162
09:00	118	8	1	0	0	0	0	0	0	0	0	0	0	0	127
10:00	102	8	1	0	0	0	0	0	0	0	0	0	0	0	111
11:00	91	10	0	2	0	0	0	0	0	0	0	0	0	0	103
12 PM	123	15	0	0	0	0	0	0	0	0	0	0	0	0	138
13:00	105	14	3	0	0	0	0	0	0	0	0	0	0	0	122
14:00	141	22	2	0	0	0	1	0	0	0	0	0	0	0	166
15:00	135	25	5	1	0	0	0	0	0	0	0	0	0	0	166
16:00	170	33	5	0	0	0	1	0	0	0	0	0	0	0	209
17:00	199	51	7	2	1	0	0	0	0	0	0	0	0	0	260
18:00	138	30	2	1	0	0	0	0	0	0	0	0	0	0	171
19:00	91	12	1	0	0	0	0	0	0	0	0	0	0	0	104
20:00	56	6	1	0	0	0	0	0	0	0	0	0	0	0	63
21:00	22	9	1	0	0	0	0	0	0	0	0	0	0	0	32
22:00	16	4	0	0	0	0	0	0	0	0	0	0	0	0	20
23:00	6	2	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	2026	329	40	8	1	0	2	0	0	0	0	0	0	0	2406

Daily

15th Percentile :	6 MPH
50th Percentile :	20 MPH
85th Percentile :	35 MPH
95th Percentile :	38 MPH
Mean Speed(Average) :	21 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	618
Percent in Pace :	25.7%
Number of Vehicles > 30 MPH :	669
Percent of Vehicles > 30 MPH :	27.8%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	5	1	0	0	0	0	0	0	0	0	0	0	0	0	6
01:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	6	3	3	0	0	0	0	0	0	0	0	0	0	0	12
05:00	34	4	0	0	0	0	0	0	0	0	0	0	0	0	38
06:00	103	14	2	0	0	0	0	0	0	0	0	0	0	0	119
07:00	210	42	2	1	0	0	0	0	0	0	0	0	0	0	255
08:00	175	18	0	0	0	0	0	0	0	0	0	0	0	0	193
09:00	109	14	0	0	0	0	0	0	0	0	0	0	0	0	123
10:00	110	15	3	0	0	0	0	0	0	0	0	0	0	0	128
11:00	114	12	1	0	0	0	0	0	0	0	0	0	0	0	127
12 PM	114	17	1	1	0	0	0	0	0	0	0	0	0	0	133
13:00	96	19	3	0	0	0	0	0	0	0	0	0	0	0	118
14:00	114	27	3	0	0	0	0	0	0	0	0	0	0	0	144
15:00	157	36	1	0	0	0	0	0	0	0	0	0	0	0	194
16:00	151	37	3	2	0	0	0	0	0	0	0	0	0	0	193
17:00	166	60	3	0	0	0	0	0	0	0	0	0	0	0	229
18:00	139	27	3	0	0	0	0	0	0	0	0	0	0	0	169
19:00	59	14	1	0	0	0	0	0	0	0	0	0	0	0	74
20:00	52	14	1	0	0	0	0	0	0	0	0	0	0	0	67
21:00	34	5	0	0	0	0	0	0	0	0	0	0	0	0	39
22:00	17	6	1	0	0	0	0	0	0	0	0	0	0	0	24
23:00	4	1	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	1972	386	32	4	0	0	0	0	0	0	0	0	0	0	2394

Daily
 15th Percentile : 6 MPH
 50th Percentile : 21 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 22 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 668
 Percent in Pace : 27.9%
 Number of Vehicles > 30 MPH : 704
 Percent of Vehicles > 30 MPH : 29.4%

Grand Total	3998	715	72	12	1	0	2	0	0	0	0	0	0	0	4800
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 21 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1286
 Percent in Pace : 26.8%
 Number of Vehicles > 30 MPH : 1373
 Percent of Vehicles > 30 MPH : 28.6%

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	6	4	0	1	0	0	0	0	0	0	0	0	11	1
05:00	0	18	8	0	2	0	0	0	0	0	0	0	0	28	2
06:00	2	60	21	5	3	2	1	0	1	0	0	0	0	95	12
07:00	1	133	40	0	8	1	0	0	0	0	0	0	0	183	9
08:00	0	76	14	0	4	5	0	1	1	0	0	0	0	101	11
09:00	0	46	11	0	6	4	0	0	0	0	0	0	0	67	10
10:00	0	35	7	1	3	5	2	2	0	0	0	0	0	55	13
11:00	0	41	14	0	2	3	1	1	0	0	0	0	0	62	7
12 PM	1	39	13	1	7	3	1	0	0	0	0	0	0	65	12
13:00	1	27	16	0	3	5	4	1	0	0	0	0	0	57	13
14:00	0	36	15	3	5	3	1	0	0	0	0	0	0	63	12
15:00	1	42	9	1	1	0	0	0	0	0	0	0	0	54	2
16:00	0	49	9	0	4	0	0	1	0	0	0	0	0	63	5
17:00	0	47	13	0	2	0	0	1	0	0	0	0	0	63	3
18:00	0	41	20	0	3	0	0	1	0	0	0	0	0	65	4
19:00	0	35	8	0	1	0	0	0	0	0	0	0	0	44	1
20:00	1	19	2	0	0	0	0	0	0	0	0	0	0	22	0
21:00	0	9	1	0	1	0	0	0	0	0	0	0	0	11	1
22:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
23:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
Total	7	765	227	11	56	31	10	8	2	0	0	0	0	1117	118
Percent	0.6%	68.5%	20.3%	1.0%	5.0%	2.8%	0.9%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		10.6%
AM Peak Vol.	06:00	07:00	07:00	06:00	07:00	08:00	10:00	10:00	06:00					07:00	10:00
PM Peak Vol.	12:00	16:00	18:00	14:00	12:00	13:00	13:00	13:00						12:00	13:00
	1	49	20	3	7	5	4	1						65	13

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB															
Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	6	3	0	0	0	0	0	0	0	0	0	0	9	0
05:00	0	15	7	0	1	0	0	0	0	0	0	0	0	23	1
06:00	0	55	19	5	4	0	1	1	1	0	0	0	0	86	12
07:00	0	135	34	0	10	4	0	2	0	0	0	0	0	185	16
08:00	0	94	20	1	5	6	2	0	0	0	0	0	0	128	14
09:00	0	30	16	1	2	7	1	1	1	0	0	0	0	59	13
10:00	0	29	10	0	2	10	0	0	0	0	0	0	0	51	12
11:00	0	35	11	0	3	4	0	0	0	0	0	0	0	53	7
12 PM	0	24	16	0	5	5	1	0	0	0	0	0	0	51	11
13:00	0	27	11	0	1	5	1	0	0	0	0	0	0	45	7
14:00	0	38	15	3	0	3	0	0	0	0	0	0	0	59	6
15:00	0	49	10	1	3	0	0	0	0	0	0	0	0	63	4
16:00	0	49	9	1	1	0	0	0	0	0	0	0	0	60	2
17:00	0	42	9	0	1	0	0	0	0	0	0	0	0	52	1
18:00	0	57	10	0	2	0	0	0	0	0	0	0	0	69	2
19:00	0	16	9	1	0	0	0	0	0	0	0	0	0	26	1
20:00	0	17	6	0	0	0	0	0	0	0	0	0	0	23	0
21:00	0	11	3	0	0	0	0	0	0	0	0	0	0	14	0
22:00	0	6	0	0	0	0	0	0	0	0	0	0	0	6	0
23:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
Total	0	742	222	13	40	44	6	4	2	0	0	0	0	1073	109
Percent	0.0%	69.2%	20.7%	1.2%	3.7%	4.1%	0.6%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		10.2%
AM Peak		07:00	07:00	06:00	07:00	10:00	08:00	07:00	06:00					07:00	07:00
Vol.		135	34	5	10	10	2	2	1					185	16
PM Peak		18:00	12:00	14:00	12:00	12:00	12:00							18:00	12:00
Vol.		57	16	3	5	5	1							69	11
Grand Total	7	1507	449	24	96	75	16	12	4	0	0	0	0	2190	227
Percent	0.3%	68.8%	20.5%	1.1%	4.4%	3.4%	0.7%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		10.4%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
05:00	0	8	8	0	1	0	0	0	0	0	0	0	0	17	1
06:00	0	22	9	0	4	0	0	0	0	0	0	0	0	35	4
07:00	0	41	16	0	4	2	0	1	0	0	0	0	0	64	7
08:00	2	32	10	3	6	4	3	0	1	0	0	0	0	61	17
09:00	0	30	14	0	8	4	4	0	0	0	0	0	0	60	16
10:00	0	31	12	3	3	3	4	0	0	0	0	0	0	56	13
11:00	1	22	13	0	1	2	1	1	0	0	0	0	0	41	5
12 PM	0	44	16	2	6	1	4	0	0	0	0	0	0	73	13
13:00	1	28	17	0	9	3	6	0	1	0	0	0	0	65	19
14:00	1	46	37	1	9	4	4	1	0	0	0	0	0	103	19
15:00	2	62	30	4	8	4	0	2	0	0	0	0	0	112	18
16:00	4	104	29	1	7	1	0	0	0	0	0	0	0	146	9
17:00	1	135	49	1	8	2	0	1	0	0	0	0	0	197	12
18:00	1	69	27	3	5	1	0	0	0	0	0	0	0	106	9
19:00	0	39	19	0	1	0	0	1	0	0	0	0	0	60	2
20:00	0	32	6	0	3	0	0	0	0	0	0	0	0	41	3
21:00	0	14	6	0	1	0	0	0	0	0	0	0	0	21	1
22:00	1	11	6	0	0	0	0	0	0	0	0	0	0	18	0
23:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
Total	14	779	328	18	84	31	26	7	2	0	0	0	0	1289	168
Percent	1.1%	60.4%	25.4%	1.4%	6.5%	2.4%	2.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		13.0%
AM Peak	08:00	07:00	07:00	08:00	09:00	08:00	09:00	07:00	08:00					07:00	08:00
Vol.	2	41	16	3	8	4	4	1	1					64	17
PM Peak	16:00	17:00	17:00	15:00	13:00	14:00	13:00	15:00	13:00					17:00	13:00
Vol.	4	135	49	4	9	4	6	2	1					197	19

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
05:00	0	7	6	0	2	0	0	0	0	0	0	0	0	15	2
06:00	0	17	11	1	4	0	0	0	0	0	0	0	0	33	5
07:00	1	47	14	0	4	2	2	0	0	0	0	0	0	70	8
08:00	0	29	17	2	8	6	3	0	0	0	0	0	0	65	19
09:00	0	30	16	1	8	6	2	1	0	0	0	0	0	64	18
10:00	1	35	22	0	12	6	1	0	0	0	0	0	0	77	19
11:00	0	37	16	2	7	5	4	3	0	0	0	0	0	74	21
12 PM	0	42	22	3	7	4	3	1	0	0	0	0	0	82	18
13:00	1	38	17	2	8	3	4	0	0	0	0	0	0	73	17
14:00	0	47	25	2	6	4	0	1	0	0	0	0	0	85	13
15:00	0	77	31	3	15	2	1	2	0	0	0	0	0	131	23
16:00	1	85	29	3	12	0	0	3	0	0	0	0	0	133	18
17:00	0	126	43	0	6	0	0	2	0	0	0	0	0	177	8
18:00	0	73	22	1	4	0	0	0	0	0	0	0	0	100	5
19:00	0	34	13	0	1	0	0	0	0	0	0	0	0	48	1
20:00	0	30	12	0	2	0	0	0	0	0	0	0	0	44	2
21:00	0	17	7	0	1	0	0	0	0	0	0	0	0	25	1
22:00	0	12	5	0	1	0	0	0	0	0	0	0	0	18	1
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	4	788	330	20	108	38	20	13	0	0	0	0	0	1321	199
Percent	0.3%	59.7%	25.0%	1.5%	8.2%	2.9%	1.5%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%		15.1%
AM Peak Vol.	07:00	07:00	10:00	08:00	10:00	08:00	11:00	11:00						10:00	11:00
PM Peak Vol.	13:00	17:00	17:00	12:00	15:00	12:00	13:00	16:00						17:00	15:00
Grand Total	18	1567	658	38	192	69	46	20	2	0	0	0	0	2610	367
Percent	0.7%	60.0%	25.2%	1.5%	7.4%	2.6%	1.8%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%		14.1%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	9	5	0	1	0	0	0	0	0	0	0	0	15	1
05:00	0	26	16	0	3	0	0	0	0	0	0	0	0	45	3
06:00	2	82	30	5	7	2	1	0	1	0	0	0	0	130	16
07:00	1	174	56	0	12	3	0	1	0	0	0	0	0	247	16
08:00	2	108	24	3	10	9	3	1	2	0	0	0	0	162	28
09:00	0	76	25	0	14	8	4	0	0	0	0	0	0	127	26
10:00	0	66	19	4	6	8	6	2	0	0	0	0	0	111	26
11:00	1	63	27	0	3	5	2	2	0	0	0	0	0	103	12
12 PM	1	83	29	3	13	4	5	0	0	0	0	0	0	138	25
13:00	2	55	33	0	12	8	10	1	1	0	0	0	0	122	32
14:00	1	82	52	4	14	7	5	1	0	0	0	0	0	166	31
15:00	3	104	39	5	9	4	0	2	0	0	0	0	0	166	20
16:00	4	153	38	1	11	1	0	1	0	0	0	0	0	209	14
17:00	1	182	62	1	10	2	0	2	0	0	0	0	0	260	15
18:00	1	110	47	3	8	1	0	1	0	0	0	0	0	171	13
19:00	0	74	27	0	2	0	0	1	0	0	0	0	0	104	3
20:00	1	51	8	0	3	0	0	0	0	0	0	0	0	63	3
21:00	0	23	7	0	2	0	0	0	0	0	0	0	0	32	2
22:00	1	13	6	0	0	0	0	0	0	0	0	0	0	20	0
23:00	0	6	2	0	0	0	0	0	0	0	0	0	0	8	0
Total	21	1544	555	29	140	62	36	15	4	0	0	0	0	2406	286
Percent	0.9%	64.2%	23.1%	1.2%	5.8%	2.6%	1.5%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%		11.9%
AM Peak Vol.	06:00	07:00	07:00	06:00	09:00	08:00	10:00	10:00	08:00					07:00	08:00
	2	174	56	5	14	9	6	2	2					247	28
PM Peak Vol.	16:00	17:00	17:00	15:00	14:00	13:00	13:00	15:00	13:00					17:00	13:00
	4	182	62	5	14	8	10	2	1					260	32

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Plain St, south of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/12/19	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	9	3	0	0	0	0	0	0	0	0	0	0	12	0
05:00	0	22	13	0	3	0	0	0	0	0	0	0	0	38	3
06:00	0	72	30	6	8	0	1	1	1	0	0	0	0	119	17
07:00	1	182	48	0	14	6	2	2	0	0	0	0	0	255	24
08:00	0	123	37	3	13	12	5	0	0	0	0	0	0	193	33
09:00	0	60	32	2	10	13	3	2	1	0	0	0	0	123	31
10:00	1	64	32	0	14	16	1	0	0	0	0	0	0	128	31
11:00	0	72	27	2	10	9	4	3	0	0	0	0	0	127	28
12 PM	0	66	38	3	12	9	4	1	0	0	0	0	0	133	29
13:00	1	65	28	2	9	8	5	0	0	0	0	0	0	118	24
14:00	0	85	40	5	6	7	0	1	0	0	0	0	0	144	19
15:00	0	126	41	4	18	2	1	2	0	0	0	0	0	194	27
16:00	1	134	38	4	13	0	0	3	0	0	0	0	0	193	20
17:00	0	168	52	0	7	0	0	2	0	0	0	0	0	229	9
18:00	0	130	32	1	6	0	0	0	0	0	0	0	0	169	7
19:00	0	50	22	1	1	0	0	0	0	0	0	0	0	74	2
20:00	0	47	18	0	2	0	0	0	0	0	0	0	0	67	2
21:00	0	28	10	0	1	0	0	0	0	0	0	0	0	39	1
22:00	0	18	5	0	1	0	0	0	0	0	0	0	0	24	1
23:00	0	4	1	0	0	0	0	0	0	0	0	0	0	5	0
Total	4	1530	552	33	148	82	26	17	2	0	0	0	0	2394	308
Percent	0.2%	63.9%	23.1%	1.4%	6.2%	3.4%	1.1%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%		12.9%
AM Peak Vol.	07:00	07:00	07:00	06:00	07:00	10:00	08:00	11:00	06:00					07:00	08:00
	1	182	48	6	14	16	5	3	1					255	33
PM Peak Vol.	13:00	17:00	17:00	14:00	15:00	12:00	13:00	16:00						17:00	12:00
	1	168	52	5	18	9	5	3						229	29
Grand Total	25	3074	1107	62	288	144	62	32	6	0	0	0	0	4800	594
Percent	0.5%	64.0%	23.1%	1.3%	6.0%	3.0%	1.3%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%		12.4%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

Start Time	09-Sep-19		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	1	1	3	1	*	*	*	*	*	*	2	1
01:00	*	*	*	*	1	1	3	2	*	*	*	*	*	*	2	2
02:00	*	*	*	*	0	0	0	0	*	*	*	*	*	*	0	0
03:00	*	*	*	*	1	0	1	1	*	*	*	*	*	*	1	0
04:00	*	*	*	*	9	1	7	5	*	*	*	*	*	*	8	3
05:00	*	*	*	*	28	1	18	3	*	*	*	*	*	*	23	2
06:00	*	*	*	*	63	16	68	16	*	*	*	*	*	*	66	16
07:00	*	*	*	*	142	30	143	35	*	*	*	*	*	*	142	32
08:00	*	*	*	*	109	29	93	27	*	*	*	*	*	*	101	28
09:00	*	*	*	*	46	26	42	29	*	*	*	*	*	*	44	28
10:00	*	*	*	*	50	34	43	25	*	*	*	*	*	*	46	30
11:00	*	*	*	*	35	25	31	34	*	*	*	*	*	*	33	30
12:00 PM	*	*	*	*	44	50	36	30	*	*	*	*	*	*	40	40
01:00	*	*	*	*	38	44	37	35	*	*	*	*	*	*	38	40
02:00	*	*	*	*	42	53	43	73	*	*	*	*	*	*	42	63
03:00	*	*	*	*	54	83	63	82	*	*	*	*	*	*	58	82
04:00	*	*	*	*	54	104	52	83	*	*	*	*	*	*	53	94
05:00	*	*	*	*	64	96	52	105	*	*	*	*	*	*	58	100
06:00	*	*	*	*	46	84	39	70	*	*	*	*	*	*	42	77
07:00	*	*	*	*	34	34	27	46	*	*	*	*	*	*	30	40
08:00	*	*	*	*	17	37	21	40	*	*	*	*	*	*	19	38
09:00	*	*	*	*	14	20	8	19	*	*	*	*	*	*	11	20
10:00	*	*	*	*	8	7	7	3	*	*	*	*	*	*	8	5
11:00	*	*	*	*	1	4	0	8	*	*	*	*	*	*	0	6
Lane	0	0	0	0	901	780	837	772	0	0	0	0	0	0	867	777
Day	0	0	0	0	1681	1609	1609	1609	0	0	0	0	0	0	1644	1644
AM Peak	-	-	-	-	07:00	10:00	07:00	07:00	-	-	-	-	-	-	07:00	07:00
Vol.	-	-	-	-	142	34	143	35	-	-	-	-	-	-	142	32
PM Peak	-	-	-	-	17:00	16:00	15:00	17:00	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	-	-	64	104	63	105	-	-	-	-	-	-	58	100

Comb. Total 0 0 1681 1609 0 0 0 1644

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

Start Time	11-Sep-19		NB		SB		Combined		12-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			0	12	0	12	0	24		1	10	0	7	1	17	
12:15			1	11	0	19	1	30		1	10	0	8	1	18	
12:30			0	9	0	11	0	20		0	7	1	9	1	16	
12:45			0	12	1	8	1	20		1	9	0	6	1	15	
01:00			0	11	0	8	0	19		0	9	1	5	1	14	
01:15			1	7	0	14	1	21		1	7	0	10	1	17	
01:30			0	9	0	10	0	19		0	8	0	10	0	18	
01:45			0	11	1	12	1	23		2	13	1	10	3	23	
02:00			0	12	0	10	0	22		0	11	0	15	0	26	
02:15			0	12	0	11	0	23		0	16	0	16	0	32	
02:30			0	6	0	14	0	20		0	12	0	15	0	27	
02:45			0	12	0	18	0	30		0	4	0	27	0	31	
03:00			1	13	0	19	1	32		0	11	0	20	0	31	
03:15			0	13	0	16	0	29		0	10	0	18	0	28	
03:30			0	14	0	30	0	44		0	28	0	18	0	46	
03:45			0	14	0	18	0	32		1	14	1	26	2	40	
04:00			0	18	0	32	0	50		0	15	1	18	1	33	
04:15			1	16	0	27	1	43		0	12	2	28	2	40	
04:30			5	13	1	22	6	35		5	11	1	17	6	28	
04:45			3	7	0	23	3	30		2	14	1	20	3	34	
05:00			4	17	0	18	4	35		0	14	0	27	0	41	
05:15			7	15	1	36	8	51		8	4	1	31	9	35	
05:30			9	13	0	21	9	34		2	16	1	29	3	45	
05:45			8	19	0	21	8	40		8	18	1	18	9	36	
06:00			1	7	4	23	5	30		5	10	3	23	8	33	
06:15			13	13	0	22	13	35		14	5	3	17	17	22	
06:30			22	16	8	19	30	35		20	14	5	15	25	29	
06:45			27	10	4	20	31	30		29	10	5	15	34	25	
07:00			26	11	4	6	30	17		31	9	4	13	35	22	
07:15			52	8	4	8	56	16		42	4	9	7	51	11	
07:30			31	8	13	7	44	15		32	10	7	6	39	16	
07:45			33	7	9	13	42	20		38	4	15	20	53	24	
08:00			21	6	2	7	23	13		27	6	8	6	35	12	
08:15			33	2	10	15	43	17		17	9	10	9	27	18	
08:30			21	5	7	10	28	15		24	3	2	12	26	15	
08:45			34	4	10	5	44	9		25	3	7	13	32	16	
09:00			13	6	11	10	24	16		14	3	5	3	19	6	
09:15			12	5	5	2	17	7		10	0	6	6	16	6	
09:30			15	3	3	5	18	8		10	3	9	7	19	10	
09:45			6	0	7	3	13	3		8	2	9	3	17	5	
10:00			12	2	6	2	18	4		11	1	4	0	15	1	
10:15			10	3	4	5	14	8		13	3	4	1	17	4	
10:30			11	2	15	0	26	2		8	2	8	0	16	2	
10:45			17	1	9	0	26	1		11	1	9	2	20	3	
11:00			6	0	2	1	8	1		6	0	3	0	9	0	
11:15			9	0	9	1	18	1		6	0	10	7	16	7	
11:30			12	0	6	1	18	1		8	0	7	1	15	1	
11:45			8	1	8	1	16	2		11	0	14	0	25	0	
Total			485	416	164	616	649	1032		452	385	178	594	630	979	
Day Total			901		780		1681			837		772		1609		
% Total			28.9%	24.7%	9.8%	36.6%				28.1%	23.9%	11.1%	36.9%			
Peak	-		07:00	05:00	08:15	03:30	07:00	03:30	-	07:00	03:30	07:30	04:45	07:00	03:30	
Vol.	-		142	64	38	107	172	169	-	143	69	40	107	178	159	
P.H.F.			0.683	0.842	0.864	0.836	0.768	0.845		0.851	0.616	0.667	0.863	0.840	0.864	

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	2	4	*	*	*	3
01:00	*	*	2	5	*	*	*	4
02:00	*	*	0	0	*	*	*	0
03:00	*	*	1	2	*	*	*	2
04:00	*	*	10	12	*	*	*	11
05:00	*	*	29	21	*	*	*	25
06:00	*	*	79	84	*	*	*	82
07:00	*	*	172	178	*	*	*	175
08:00	*	*	138	120	*	*	*	129
09:00	*	*	72	71	*	*	*	72
10:00	*	*	84	68	*	*	*	76
11:00	*	*	60	65	*	*	*	62
12:00 PM	*	*	94	66	*	*	*	80
01:00	*	*	82	72	*	*	*	77
02:00	*	*	95	116	*	*	*	106
03:00	*	*	137	145	*	*	*	141
04:00	*	*	158	135	*	*	*	146
05:00	*	*	160	157	*	*	*	158
06:00	*	*	130	109	*	*	*	120
07:00	*	*	68	73	*	*	*	70
08:00	*	*	54	61	*	*	*	58
09:00	*	*	34	27	*	*	*	30
10:00	*	*	15	10	*	*	*	12
11:00	*	*	5	8	*	*	*	6
Total	0	0	1681	1609	0	0	0	
Percentage	0.0%	0.0%	102.2%	97.8%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	172	178	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	160	157	-	-	-	-

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999		
09/11/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	9
05:00	15	12	1	0	0	0	0	0	0	0	0	0	0	0	0	28
06:00	46	16	1	0	0	0	0	0	0	0	0	0	0	0	0	63
07:00	81	51	5	5	0	0	0	0	0	0	0	0	0	0	0	142
08:00	70	31	7	1	0	0	0	0	0	0	0	0	0	0	0	109
09:00	29	15	2	0	0	0	0	0	0	0	0	0	0	0	0	46
10:00	33	14	2	1	0	0	0	0	0	0	0	0	0	0	0	50
11:00	23	10	2	0	0	0	0	0	0	0	0	0	0	0	0	35
12 PM	37	6	0	1	0	0	0	0	0	0	0	0	0	0	0	44
13:00	24	12	2	0	0	0	0	0	0	0	0	0	0	0	0	38
14:00	29	11	2	0	0	0	0	0	0	0	0	0	0	0	0	42
15:00	36	15	3	0	0	0	0	0	0	0	0	0	0	0	0	54
16:00	33	16	4	1	0	0	0	0	0	0	0	0	0	0	0	54
17:00	41	21	2	0	0	0	0	0	0	0	0	0	0	0	0	64
18:00	33	10	3	0	0	0	0	0	0	0	0	0	0	0	0	46
19:00	24	10	0	0	0	0	0	0	0	0	0	0	0	0	0	34
20:00	11	4	2	0	0	0	0	0	0	0	0	0	0	0	0	17
21:00	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
22:00	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	8
23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	594	257	39	11	0	0	0	0	0	0	0	0	0	0	0	901

Daily

15th Percentile :	7 MPH
50th Percentile :	26 MPH
85th Percentile :	38 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	25 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	342
Percent in Pace :	38.0%
Number of Vehicles > 30 MPH :	392
Percent of Vehicles > 30 MPH :	43.5%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	2	3	1	1	0	0	0	0	0	0	0	0	0	0	7
05:00	13	2	3	0	0	0	0	0	0	0	0	0	0	0	18
06:00	42	23	3	0	0	0	0	0	0	0	0	0	0	0	68
07:00	71	64	7	1	0	0	0	0	0	0	0	0	0	0	143
08:00	57	28	7	1	0	0	0	0	0	0	0	0	0	0	93
09:00	24	15	3	0	0	0	0	0	0	0	0	0	0	0	42
10:00	27	12	4	0	0	0	0	0	0	0	0	0	0	0	43
11:00	18	11	1	1	0	0	0	0	0	0	0	0	0	0	31
12 PM	28	8	0	0	0	0	0	0	0	0	0	0	0	0	36
13:00	23	14	0	0	0	0	0	0	0	0	0	0	0	0	37
14:00	30	11	1	1	0	0	0	0	0	0	0	0	0	0	43
15:00	34	22	6	1	0	0	0	0	0	0	0	0	0	0	63
16:00	38	12	2	0	0	0	0	0	0	0	0	0	0	0	52
17:00	37	14	1	0	0	0	0	0	0	0	0	0	0	0	52
18:00	25	11	2	1	0	0	0	0	0	0	0	0	0	0	39
19:00	21	6	0	0	0	0	0	0	0	0	0	0	0	0	27
20:00	18	2	0	1	0	0	0	0	0	0	0	0	0	0	21
21:00	7	1	0	0	0	0	0	0	0	0	0	0	0	0	8
22:00	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	527	261	41	8	0	0	0	0	0	0	0	0	0	0	837

Daily
 15th Percentile : 8 MPH
 50th Percentile : 27 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 336
 Percent in Pace : 40.1%
 Number of Vehicles > 30 MPH : 385
 Percent of Vehicles > 30 MPH : 46.0%

Grand Total	1121	518	80	19	0	0	0	0	0	0	0	0	0	0	1738
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Overall
 15th Percentile : 8 MPH
 50th Percentile : 27 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

 Mean Speed(Average) : 25 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 678
 Percent in Pace : 39.0%
 Number of Vehicles > 30 MPH : 777
 Percent of Vehicles > 30 MPH : 44.7%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	11	5	0	0	0	0	0	0	0	0	0	0	0	0	16
07:00	22	7	1	0	0	0	0	0	0	0	0	0	0	0	30
08:00	17	11	1	0	0	0	0	0	0	0	0	0	0	0	29
09:00	17	6	3	0	0	0	0	0	0	0	0	0	0	0	26
10:00	20	13	1	0	0	0	0	0	0	0	0	0	0	0	34
11:00	15	9	1	0	0	0	0	0	0	0	0	0	0	0	25
12 PM	29	19	2	0	0	0	0	0	0	0	0	0	0	0	50
13:00	29	12	3	0	0	0	0	0	0	0	0	0	0	0	44
14:00	24	23	6	0	0	0	0	0	0	0	0	0	0	0	53
15:00	47	31	5	0	0	0	0	0	0	0	0	0	0	0	83
16:00	50	44	10	0	0	0	0	0	0	0	0	0	0	0	104
17:00	48	43	4	1	0	0	0	0	0	0	0	0	0	0	96
18:00	54	28	1	1	0	0	0	0	0	0	0	0	0	0	84
19:00	28	4	2	0	0	0	0	0	0	0	0	0	0	0	34
20:00	28	8	1	0	0	0	0	0	0	0	0	0	0	0	37
21:00	14	6	0	0	0	0	0	0	0	0	0	0	0	0	20
22:00	5	2	0	0	0	0	0	0	0	0	0	0	0	0	7
23:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	4
Total	463	273	42	2	0	0	0	0	0	0	0	0	0	0	780

Daily

15th Percentile :	8 MPH
50th Percentile :	29 MPH
85th Percentile :	38 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	26 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	339
Percent in Pace :	43.5%
Number of Vehicles > 30 MPH :	383
Percent of Vehicles > 30 MPH :	49.1%

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	2	3	0	0	0	0	0	0	0	0	0	0	0	0	5
05:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
06:00	8	6	1	1	0	0	0	0	0	0	0	0	0	0	16
07:00	23	11	1	0	0	0	0	0	0	0	0	0	0	0	35
08:00	20	6	1	0	0	0	0	0	0	0	0	0	0	0	27
09:00	20	8	1	0	0	0	0	0	0	0	0	0	0	0	29
10:00	22	3	0	0	0	0	0	0	0	0	0	0	0	0	25
11:00	18	13	3	0	0	0	0	0	0	0	0	0	0	0	34
12 PM	16	12	2	0	0	0	0	0	0	0	0	0	0	0	30
13:00	20	12	2	0	0	0	0	0	1	0	0	0	0	0	35
14:00	39	27	7	0	0	0	0	0	0	0	0	0	0	0	73
15:00	50	25	5	2	0	0	0	0	0	0	0	0	0	0	82
16:00	43	27	12	1	0	0	0	0	0	0	0	0	0	0	83
17:00	64	32	9	0	0	0	0	0	0	0	0	0	0	0	105
18:00	39	21	10	0	0	0	0	0	0	0	0	0	0	0	70
19:00	29	14	3	0	0	0	0	0	0	0	0	0	0	0	46
20:00	27	9	4	0	0	0	0	0	0	0	0	0	0	0	40
21:00	11	8	0	0	0	0	0	0	0	0	0	0	0	0	19
22:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
23:00	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	464	241	62	4	0	0	0	0	1	0	0	0	0	0	772

Daily
 15th Percentile : 8 MPH
 50th Percentile : 29 MPH
 85th Percentile : 38 MPH
 95th Percentile : 42 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 307
 Percent in Pace : 39.8%
 Number of Vehicles > 30 MPH : 374
 Percent of Vehicles > 30 MPH : 48.5%

Grand Total	927	514	104	6	0	0	0	0	1	0	0	0	0	0	1552
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Overall
 15th Percentile : 8 MPH
 50th Percentile : 29 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 646
 Percent in Pace : 41.6%
 Number of Vehicles > 30 MPH : 757
 Percent of Vehicles > 30 MPH : 48.8%

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	7	2	1	0	0	0	0	0	0	0	0	0	0	0	10
05:00	16	12	1	0	0	0	0	0	0	0	0	0	0	0	29
06:00	57	21	1	0	0	0	0	0	0	0	0	0	0	0	79
07:00	103	58	6	5	0	0	0	0	0	0	0	0	0	0	172
08:00	87	42	8	1	0	0	0	0	0	0	0	0	0	0	138
09:00	46	21	5	0	0	0	0	0	0	0	0	0	0	0	72
10:00	53	27	3	1	0	0	0	0	0	0	0	0	0	0	84
11:00	38	19	3	0	0	0	0	0	0	0	0	0	0	0	60
12 PM	66	25	2	1	0	0	0	0	0	0	0	0	0	0	94
13:00	53	24	5	0	0	0	0	0	0	0	0	0	0	0	82
14:00	53	34	8	0	0	0	0	0	0	0	0	0	0	0	95
15:00	83	46	8	0	0	0	0	0	0	0	0	0	0	0	137
16:00	83	60	14	1	0	0	0	0	0	0	0	0	0	0	158
17:00	89	64	6	1	0	0	0	0	0	0	0	0	0	0	160
18:00	87	38	4	1	0	0	0	0	0	0	0	0	0	0	130
19:00	52	14	2	0	0	0	0	0	0	0	0	0	0	0	68
20:00	39	12	3	0	0	0	0	0	0	0	0	0	0	0	54
21:00	27	7	0	0	0	0	0	0	0	0	0	0	0	0	34
22:00	11	2	0	2	0	0	0	0	0	0	0	0	0	0	15
23:00	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
Total	1057	530	81	13	0	0	0	0	0	0	0	0	0	0	1681

Daily

15th Percentile : 8 MPH
 50th Percentile : 27 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 681
 Percent in Pace : 40.5%
 Number of Vehicles > 30 MPH : 775
 Percent of Vehicles > 30 MPH : 46.1%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	4	1	0	0	0	0	0	0	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	4	6	1	1	0	0	0	0	0	0	0	0	0	0	12
05:00	15	3	3	0	0	0	0	0	0	0	0	0	0	0	21
06:00	50	29	4	1	0	0	0	0	0	0	0	0	0	0	84
07:00	94	75	8	1	0	0	0	0	0	0	0	0	0	0	178
08:00	77	34	8	1	0	0	0	0	0	0	0	0	0	0	120
09:00	44	23	4	0	0	0	0	0	0	0	0	0	0	0	71
10:00	49	15	4	0	0	0	0	0	0	0	0	0	0	0	68
11:00	36	24	4	1	0	0	0	0	0	0	0	0	0	0	65
12 PM	44	20	2	0	0	0	0	0	0	0	0	0	0	0	66
13:00	43	26	2	0	0	0	0	0	1	0	0	0	0	0	72
14:00	69	38	8	1	0	0	0	0	0	0	0	0	0	0	116
15:00	84	47	11	3	0	0	0	0	0	0	0	0	0	0	145
16:00	81	39	14	1	0	0	0	0	0	0	0	0	0	0	135
17:00	101	46	10	0	0	0	0	0	0	0	0	0	0	0	157
18:00	64	32	12	1	0	0	0	0	0	0	0	0	0	0	109
19:00	50	20	3	0	0	0	0	0	0	0	0	0	0	0	73
20:00	45	11	4	1	0	0	0	0	0	0	0	0	0	0	61
21:00	18	9	0	0	0	0	0	0	0	0	0	0	0	0	27
22:00	9	0	1	0	0	0	0	0	0	0	0	0	0	0	10
23:00	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	991	502	103	12	0	0	0	0	1	0	0	0	0	0	1609

Daily
 15th Percentile : 8 MPH
 50th Percentile : 28 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 644
 Percent in Pace : 40.0%
 Number of Vehicles > 30 MPH : 760
 Percent of Vehicles > 30 MPH : 47.2%

Grand Total	2048	1032	184	25	0	0	0	0	1	0	0	0	0	0	3290
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Overall
 15th Percentile : 8 MPH
 50th Percentile : 28 MPH
 85th Percentile : 38 MPH
 95th Percentile : 41 MPH

 Mean Speed(Average) : 26 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 1325
 Percent in Pace : 40.3%
 Number of Vehicles > 30 MPH : 1535
 Percent of Vehicles > 30 MPH : 46.6%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	4	3	0	2	0	0	0	0	0	0	0	0	9	2
05:00	0	18	8	0	2	0	0	0	0	0	0	0	0	28	2
06:00	0	39	15	1	8	0	0	0	0	0	0	0	0	63	9
07:00	1	107	22	3	8	0	0	1	0	0	0	0	0	142	12
08:00	0	70	36	1	1	0	0	1	0	0	0	0	0	109	3
09:00	0	30	13	0	2	0	0	1	0	0	0	0	0	46	3
10:00	1	30	15	2	1	1	0	0	0	0	0	0	0	50	4
11:00	1	22	5	1	5	0	0	1	0	0	0	0	0	35	7
12 PM	0	27	11	0	4	1	0	1	0	0	0	0	0	44	6
13:00	0	21	9	0	7	0	0	1	0	0	0	0	0	38	8
14:00	1	28	10	2	1	0	0	0	0	0	0	0	0	42	3
15:00	0	37	9	2	6	0	0	0	0	0	0	0	0	54	8
16:00	1	37	12	0	3	0	0	1	0	0	0	0	0	54	4
17:00	0	41	20	0	3	0	0	0	0	0	0	0	0	64	3
18:00	1	28	12	0	5	0	0	0	0	0	0	0	0	46	5
19:00	0	21	9	0	4	0	0	0	0	0	0	0	0	34	4
20:00	1	12	4	0	0	0	0	0	0	0	0	0	0	17	0
21:00	1	9	3	0	1	0	0	0	0	0	0	0	0	14	1
22:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	8	592	217	12	63	2	0	7	0	0	0	0	0	901	84
Percent	0.9%	65.7%	24.1%	1.3%	7.0%	0.2%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%		9.3%
AM Peak	07:00	07:00	08:00	07:00	06:00	10:00		07:00						07:00	07:00
Vol.	1	107	36	3	8	1		1						142	12
PM Peak	14:00	17:00	17:00	14:00	13:00	12:00		12:00						17:00	13:00
Vol.	1	41	20	2	7	1		1						64	8

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
06:00	0	8	4	1	2	0	0	1	0	0	0	0	0	16	4
07:00	0	15	14	0	1	0	0	0	0	0	0	0	0	30	1
08:00	0	15	12	0	2	0	0	0	0	0	0	0	0	29	2
09:00	0	12	8	0	6	0	0	0	0	0	0	0	0	26	6
10:00	0	17	11	0	3	2	0	1	0	0	0	0	0	34	6
11:00	0	9	8	2	4	1	0	1	0	0	0	0	0	25	8
12 PM	0	28	11	0	8	1	0	2	0	0	0	0	0	50	11
13:00	0	24	13	0	6	0	0	1	0	0	0	0	0	44	7
14:00	1	22	17	0	12	0	0	1	0	0	0	0	0	53	13
15:00	0	43	27	4	8	0	0	1	0	0	0	0	0	83	13
16:00	1	63	30	1	8	0	0	1	0	0	0	0	0	104	10
17:00	0	61	28	0	7	0	0	0	0	0	0	0	0	96	7
18:00	2	49	19	0	13	0	0	1	0	0	0	0	0	84	14
19:00	0	13	13	0	8	0	0	0	0	0	0	0	0	34	8
20:00	0	19	13	0	5	0	0	0	0	0	0	0	0	37	5
21:00	0	16	3	0	1	0	0	0	0	0	0	0	0	20	1
22:00	0	3	2	0	2	0	0	0	0	0	0	0	0	7	2
23:00	1	2	1	0	0	0	0	0	0	0	0	0	0	4	0
Total	5	422	235	8	96	4	0	10	0	0	0	0	0	780	118
Percent	0.6%	54.1%	30.1%	1.0%	12.3%	0.5%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%		15.1%
AM Peak Vol.		17	14	2	6	2		1						34	8
PM Peak Vol.	2	63	30	4	13	1		2						104	14

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 36133
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, north of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	4	4	0	2	0	0	0	0	0	0	0	0	10	2
05:00	0	19	8	0	2	0	0	0	0	0	0	0	0	29	2
06:00	0	47	19	2	10	0	0	1	0	0	0	0	0	79	13
07:00	1	122	36	3	9	0	0	1	0	0	0	0	0	172	13
08:00	0	85	48	1	3	0	0	1	0	0	0	0	0	138	5
09:00	0	42	21	0	8	0	0	1	0	0	0	0	0	72	9
10:00	1	47	26	2	4	3	0	1	0	0	0	0	0	84	10
11:00	1	31	13	3	9	1	0	2	0	0	0	0	0	60	15
12 PM	0	55	22	0	12	2	0	3	0	0	0	0	0	94	17
13:00	0	45	22	0	13	0	0	2	0	0	0	0	0	82	15
14:00	2	50	27	2	13	0	0	1	0	0	0	0	0	95	16
15:00	0	80	36	6	14	0	0	1	0	0	0	0	0	137	21
16:00	2	100	42	1	11	0	0	2	0	0	0	0	0	158	14
17:00	0	102	48	0	10	0	0	0	0	0	0	0	0	160	10
18:00	3	77	31	0	18	0	0	1	0	0	0	0	0	130	19
19:00	0	34	22	0	12	0	0	0	0	0	0	0	0	68	12
20:00	1	31	17	0	5	0	0	0	0	0	0	0	0	54	5
21:00	1	25	6	0	2	0	0	0	0	0	0	0	0	34	2
22:00	0	11	2	0	2	0	0	0	0	0	0	0	0	15	2
23:00	1	3	1	0	0	0	0	0	0	0	0	0	0	5	0
Total	13	1014	452	20	159	6	0	17	0	0	0	0	0	1681	202
Percent	0.8%	60.3%	26.9%	1.2%	9.5%	0.4%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%		12.0%
AM Peak Vol.	07:00	07:00	08:00	07:00	06:00	10:00		11:00						07:00	11:00
PM Peak Vol.	18:00	17:00	17:00	15:00	18:00	12:00		12:00						17:00	15:00

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

Start Time	09-Sep-19		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	1	3	1	1	*	*	*	*	*	*	1	2
01:00	*	*	*	*	1	1	2	1	*	*	*	*	*	*	2	1
02:00	*	*	*	*	0	0	0	0	*	*	*	*	*	*	0	0
03:00	*	*	*	*	1	0	0	0	*	*	*	*	*	*	0	0
04:00	*	*	*	*	13	2	8	3	*	*	*	*	*	*	10	2
05:00	*	*	*	*	28	1	21	1	*	*	*	*	*	*	24	1
06:00	*	*	*	*	63	10	76	8	*	*	*	*	*	*	70	9
07:00	*	*	*	*	150	15	143	20	*	*	*	*	*	*	146	18
08:00	*	*	*	*	97	21	79	24	*	*	*	*	*	*	88	22
09:00	*	*	*	*	44	27	44	25	*	*	*	*	*	*	44	26
10:00	*	*	*	*	38	34	33	21	*	*	*	*	*	*	36	28
11:00	*	*	*	*	29	27	26	24	*	*	*	*	*	*	28	26
12:00 PM	*	*	*	*	39	38	29	28	*	*	*	*	*	*	34	33
01:00	*	*	*	*	36	34	27	25	*	*	*	*	*	*	32	30
02:00	*	*	*	*	29	45	38	54	*	*	*	*	*	*	34	50
03:00	*	*	*	*	43	79	48	74	*	*	*	*	*	*	46	76
04:00	*	*	*	*	51	92	42	74	*	*	*	*	*	*	46	83
05:00	*	*	*	*	54	96	41	98	*	*	*	*	*	*	48	97
06:00	*	*	*	*	36	73	23	67	*	*	*	*	*	*	30	70
07:00	*	*	*	*	29	41	20	39	*	*	*	*	*	*	24	40
08:00	*	*	*	*	10	33	15	39	*	*	*	*	*	*	12	36
09:00	*	*	*	*	7	21	7	21	*	*	*	*	*	*	7	21
10:00	*	*	*	*	5	6	6	7	*	*	*	*	*	*	6	6
11:00	*	*	*	*	2	7	2	10	*	*	*	*	*	*	2	8
Lane	0	0	0	0	806	706	731	664	0	0	0	0	0	0	770	685
Day	0		0		1512		1395		0		0		0		1455	
AM Peak	-	-	-	-	07:00	10:00	07:00	09:00	-	-	-	-	-	-	07:00	10:00
Vol.	-	-	-	-	150	34	143	25	-	-	-	-	-	-	146	28
PM Peak	-	-	-	-	17:00	17:00	15:00	17:00	-	-	-	-	-	-	17:00	17:00
Vol.	-	-	-	-	54	96	48	98	-	-	-	-	-	-	48	97

Comb. Total	0	0	1512	1395	0	0	0	1455
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Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

Start Time	11-Sep-19		NB		SB		Combined		12-Sep		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			0	11	1	8	1	19		0	9	0	6	0	15	
12:15			1	11	0	16	1	27		1	6	0	8	1	14	
12:30			0	8	1	8	1	16		0	7	1	10	1	17	
12:45			0	9	1	6	1	15		0	7	0	4	0	11	
01:00			0	10	0	6	0	16		0	8	1	5	1	13	
01:15			1	3	0	6	1	9		1	4	0	6	1	10	
01:30			0	14	0	10	0	24		0	3	0	8	0	11	
01:45			0	9	1	12	1	21		1	12	0	6	1	18	
02:00			0	5	0	8	0	13		0	14	0	11	0	25	
02:15			0	8	0	9	0	17		0	12	0	8	0	20	
02:30			0	6	0	11	0	17		0	10	0	14	0	24	
02:45			0	10	0	17	0	27		0	2	0	21	0	23	
03:00			1	16	0	21	1	37		0	8	0	18	0	26	
03:15			0	10	0	17	0	27		0	9	0	17	0	26	
03:30			0	10	0	23	0	33		0	18	0	16	0	34	
03:45			0	7	0	18	0	25		0	13	0	23	0	36	
04:00			0	16	1	26	1	42		0	7	0	14	0	21	
04:15			2	13	0	24	2	37		0	13	2	27	2	40	
04:30			6	12	1	18	7	30		6	11	0	13	6	24	
04:45			5	10	0	24	5	34		2	11	1	20	3	31	
05:00			3	17	0	18	3	35		1	7	0	30	1	37	
05:15			8	10	0	28	8	38		6	5	0	26	6	31	
05:30			11	11	0	28	11	39		5	16	0	22	5	38	
05:45			6	16	1	22	7	38		9	13	1	20	10	33	
06:00			4	4	2	21	6	25		5	4	1	22	6	26	
06:15			13	7	0	17	13	24		17	4	2	16	19	20	
06:30			27	14	5	17	32	31		25	10	3	17	28	27	
06:45			19	11	3	18	22	29		29	5	2	12	31	17	
07:00			26	10	3	7	29	17		31	7	3	10	34	17	
07:15			54	9	2	13	56	22		39	4	6	8	45	12	
07:30			33	4	5	7	38	11		37	8	5	7	42	15	
07:45			37	6	5	14	42	20		36	1	6	14	42	15	
08:00			14	5	3	9	17	14		20	7	4	4	24	11	
08:15			34	3	10	14	44	17		15	5	10	12	25	17	
08:30			23	1	2	7	25	8		26	1	3	12	29	13	
08:45			26	1	6	3	32	4		18	2	7	11	25	13	
09:00			15	2	8	10	23	12		18	4	6	4	24	8	
09:15			7	4	5	4	12	8		8	1	6	8	14	9	
09:30			14	1	5	4	19	5		13	1	6	8	19	9	
09:45			8	0	9	3	17	3		5	1	7	1	12	2	
10:00			7	1	6	1	13	2		11	1	3	2	14	3	
10:15			9	1	8	5	17	6		9	2	3	1	12	3	
10:30			10	2	14	0	24	2		5	1	9	0	14	1	
10:45			12	1	6	0	18	1		8	2	6	4	14	6	
11:00			4	0	4	2	8	2		7	1	5	1	12	2	
11:15			7	0	8	1	15	1		4	1	7	5	11	6	
11:30			10	0	8	2	18	2		8	0	7	2	15	2	
11:45			8	2	7	2	15	4		7	0	5	2	12	2	
Total			465	341	141	565	606	906		433	298	128	536	561	834	
Day Total			806		706		1512			731		664		1395		
% Total			30.8%	22.6%	9.3%	37.4%				31.0%	21.4%	9.2%	38.4%			
Peak	-		07:00	05:00	09:45	05:15	07:00	05:00	-	07:00	03:30	10:30	04:45	07:00	05:00	
Vol.	-		150	54	37	99	165	150	-	143	51	27	98	163	139	
P.H.F.			0.694	0.794	0.661	0.884	0.737	0.962		0.917	0.708	0.750	0.817	0.906	0.914	

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

Start Time	09-Sep-19 Mon	10-Sep-19 Tue	11-Sep-19 Wed	12-Sep-19 Thu	13-Sep-19 Fri	14-Sep-19 Sat	15-Sep-19 Sun	Week Average
12:00 AM	*	*	4	2	*	*	*	3
01:00	*	*	2	3	*	*	*	2
02:00	*	*	0	0	*	*	*	0
03:00	*	*	1	0	*	*	*	0
04:00	*	*	15	11	*	*	*	13
05:00	*	*	29	22	*	*	*	26
06:00	*	*	73	84	*	*	*	78
07:00	*	*	165	163	*	*	*	164
08:00	*	*	118	103	*	*	*	110
09:00	*	*	71	69	*	*	*	70
10:00	*	*	72	54	*	*	*	63
11:00	*	*	56	50	*	*	*	53
12:00 PM	*	*	77	57	*	*	*	67
01:00	*	*	70	52	*	*	*	61
02:00	*	*	74	92	*	*	*	83
03:00	*	*	122	122	*	*	*	122
04:00	*	*	143	116	*	*	*	130
05:00	*	*	150	139	*	*	*	144
06:00	*	*	109	90	*	*	*	100
07:00	*	*	70	59	*	*	*	64
08:00	*	*	43	54	*	*	*	48
09:00	*	*	28	28	*	*	*	28
10:00	*	*	11	13	*	*	*	12
11:00	*	*	9	12	*	*	*	10
Total	0	0	1512	1395	0	0	0	
Percentage	0.0%	0.0%	104.2%	96.1%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	165	163	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	150	139	-	-	-	-

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

NB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999		
09/11/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	8	4	0	1	0	0	0	0	0	0	0	0	0	0	0	13
05:00	20	7	1	0	0	0	0	0	0	0	0	0	0	0	0	28
06:00	60	2	0	1	0	0	0	0	0	0	0	0	0	0	0	63
07:00	137	12	1	0	0	0	0	0	0	0	0	0	0	0	0	150
08:00	90	7	0	0	0	0	0	0	0	0	0	0	0	0	0	97
09:00	37	6	1	0	0	0	0	0	0	0	0	0	0	0	0	44
10:00	35	2	1	0	0	0	0	0	0	0	0	0	0	0	0	38
11:00	25	4	0	0	0	0	0	0	0	0	0	0	0	0	0	29
12 PM	35	3	1	0	0	0	0	0	0	0	0	0	0	0	0	39
13:00	31	4	1	0	0	0	0	0	0	0	0	0	0	0	0	36
14:00	26	3	0	0	0	0	0	0	0	0	0	0	0	0	0	29
15:00	38	5	0	0	0	0	0	0	0	0	0	0	0	0	0	43
16:00	45	5	1	0	0	0	0	0	0	0	0	0	0	0	0	51
17:00	45	9	0	0	0	0	0	0	0	0	0	0	0	0	0	54
18:00	32	3	1	0	0	0	0	0	0	0	0	0	0	0	0	36
19:00	25	4	0	0	0	0	0	0	0	0	0	0	0	0	0	29
20:00	6	3	1	0	0	0	0	0	0	0	0	0	0	0	0	10
21:00	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
22:00	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5
23:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	710	84	10	2	0	0	0	0	0	0	0	0	0	0	0	806

Daily

15th Percentile :	5 MPH
50th Percentile :	19 MPH
85th Percentile :	33 MPH
95th Percentile :	38 MPH

Mean Speed(Average) :	20 MPH
10 MPH Pace Speed :	1-10 MPH
Number in Pace :	203
Percent in Pace :	25.2%
Number of Vehicles > 30 MPH :	197
Percent of Vehicles > 30 MPH :	24.5%

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 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

NB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	4	2	2	0	0	0	0	0	0	0	0	0	0	0	8
05:00	18	3	0	0	0	0	0	0	0	0	0	0	0	0	21
06:00	68	8	0	0	0	0	0	0	0	0	0	0	0	0	76
07:00	122	20	1	0	0	0	0	0	0	0	0	0	0	0	143
08:00	65	12	2	0	0	0	0	0	0	0	0	0	0	0	79
09:00	39	4	1	0	0	0	0	0	0	0	0	0	0	0	44
10:00	26	7	0	0	0	0	0	0	0	0	0	0	0	0	33
11:00	17	8	1	0	0	0	0	0	0	0	0	0	0	0	26
12 PM	27	2	0	0	0	0	0	0	0	0	0	0	0	0	29
13:00	21	6	0	0	0	0	0	0	0	0	0	0	0	0	27
14:00	34	3	1	0	0	0	0	0	0	0	0	0	0	0	38
15:00	38	9	1	0	0	0	0	0	0	0	0	0	0	0	48
16:00	38	4	0	0	0	0	0	0	0	0	0	0	0	0	42
17:00	38	3	0	0	0	0	0	0	0	0	0	0	0	0	41
18:00	20	1	2	0	0	0	0	0	0	0	0	0	0	0	23
19:00	17	3	0	0	0	0	0	0	0	0	0	0	0	0	20
20:00	12	3	0	0	0	0	0	0	0	0	0	0	0	0	15
21:00	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
22:00	5	1	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	620	100	11	0	0	0	0	0	0	0	0	0	0	0	731

Daily
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 35 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 189
 Percent in Pace : 25.9%
 Number of Vehicles > 30 MPH : 200
 Percent of Vehicles > 30 MPH : 27.3%

Grand Total	1330	184	21	2	0	0	0	0	0	0	0	0	0	0	1537
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 1-10 MPH
 Number in Pace : 380
 Percent in Pace : 24.7%
 Number of Vehicles > 30 MPH : 397
 Percent of Vehicles > 30 MPH : 25.8%

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	8	2	0	0	0	0	0	0	0	0	0	0	0	0	10
07:00	15	0	0	0	0	0	0	0	0	0	0	0	0	0	15
08:00	19	2	0	0	0	0	0	0	0	0	0	0	0	0	21
09:00	25	2	0	0	0	0	0	0	0	0	0	0	0	0	27
10:00	31	3	0	0	0	0	0	0	0	0	0	0	0	0	34
11:00	25	2	0	0	0	0	0	0	0	0	0	0	0	0	27
12 PM	34	4	0	0	0	0	0	0	0	0	0	0	0	0	38
13:00	30	4	0	0	0	0	0	0	0	0	0	0	0	0	34
14:00	39	6	0	0	0	0	0	0	0	0	0	0	0	0	45
15:00	67	11	1	0	0	0	0	0	0	0	0	0	0	0	79
16:00	71	20	1	0	0	0	0	0	0	0	0	0	0	0	92
17:00	82	12	2	0	0	0	0	0	0	0	0	0	0	0	96
18:00	68	5	0	0	0	0	0	0	0	0	0	0	0	0	73
19:00	37	3	1	0	0	0	0	0	0	0	0	0	0	0	41
20:00	30	3	0	0	0	0	0	0	0	0	0	0	0	0	33
21:00	20	1	0	0	0	0	0	0	0	0	0	0	0	0	21
22:00	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	621	80	5	0	0	0	0	0	0	0	0	0	0	0	706

Daily

15th Percentile :	5 MPH
50th Percentile :	19 MPH
85th Percentile :	33 MPH
95th Percentile :	38 MPH

Mean Speed(Average) :	20 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	177
Percent in Pace :	25.1%
Number of Vehicles > 30 MPH :	174
Percent of Vehicles > 30 MPH :	24.6%

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 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	5	3	0	0	0	0	0	0	0	0	0	0	0	0	8
07:00	16	4	0	0	0	0	0	0	0	0	0	0	0	0	20
08:00	22	2	0	0	0	0	0	0	0	0	0	0	0	0	24
09:00	24	1	0	0	0	0	0	0	0	0	0	0	0	0	25
10:00	19	2	0	0	0	0	0	0	0	0	0	0	0	0	21
11:00	20	4	0	0	0	0	0	0	0	0	0	0	0	0	24
12 PM	26	1	1	0	0	0	0	0	0	0	0	0	0	0	28
13:00	24	1	0	0	0	0	0	0	0	0	0	0	0	0	25
14:00	44	6	3	1	0	0	0	0	0	0	0	0	0	0	54
15:00	61	10	2	1	0	0	0	0	0	0	0	0	0	0	74
16:00	58	14	2	0	0	0	0	0	0	0	0	0	0	0	74
17:00	86	12	0	0	0	0	0	0	0	0	0	0	0	0	98
18:00	56	10	0	1	0	0	0	0	0	0	0	0	0	0	67
19:00	36	3	0	0	0	0	0	0	0	0	0	0	0	0	39
20:00	36	2	1	0	0	0	0	0	0	0	0	0	0	0	39
21:00	17	4	0	0	0	0	0	0	0	0	0	0	0	0	21
22:00	5	1	0	0	1	0	0	0	0	0	0	0	0	0	7
23:00	9	1	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	568	83	9	3	1	0	0	0	0	0	0	0	0	0	664

Daily
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 164
 Percent in Pace : 24.7%
 Number of Vehicles > 30 MPH : 177
 Percent of Vehicles > 30 MPH : 26.7%

Grand Total	1189	163	14	3	1	0	0	0	0	0	0	0	0	0	1370
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 1-10 MPH
 Number in Pace : 340
 Percent in Pace : 24.8%
 Number of Vehicles > 30 MPH : 351
 Percent of Vehicles > 30 MPH : 25.6%

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Community: Hanover
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 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/11/19	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
01:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	10	4	0	1	0	0	0	0	0	0	0	0	0	0	15
05:00	21	7	1	0	0	0	0	0	0	0	0	0	0	0	29
06:00	68	4	0	1	0	0	0	0	0	0	0	0	0	0	73
07:00	152	12	1	0	0	0	0	0	0	0	0	0	0	0	165
08:00	109	9	0	0	0	0	0	0	0	0	0	0	0	0	118
09:00	62	8	1	0	0	0	0	0	0	0	0	0	0	0	71
10:00	66	5	1	0	0	0	0	0	0	0	0	0	0	0	72
11:00	50	6	0	0	0	0	0	0	0	0	0	0	0	0	56
12 PM	69	7	1	0	0	0	0	0	0	0	0	0	0	0	77
13:00	61	8	1	0	0	0	0	0	0	0	0	0	0	0	70
14:00	65	9	0	0	0	0	0	0	0	0	0	0	0	0	74
15:00	105	16	1	0	0	0	0	0	0	0	0	0	0	0	122
16:00	116	25	2	0	0	0	0	0	0	0	0	0	0	0	143
17:00	127	21	2	0	0	0	0	0	0	0	0	0	0	0	150
18:00	100	8	1	0	0	0	0	0	0	0	0	0	0	0	109
19:00	62	7	1	0	0	0	0	0	0	0	0	0	0	0	70
20:00	36	6	1	0	0	0	0	0	0	0	0	0	0	0	43
21:00	27	1	0	0	0	0	0	0	0	0	0	0	0	0	28
22:00	10	0	1	0	0	0	0	0	0	0	0	0	0	0	11
23:00	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9
Total	1331	164	15	2	0	0	0	0	0	0	0	0	0	0	1512

Daily

15th Percentile :	5 MPH
50th Percentile :	19 MPH
85th Percentile :	33 MPH
95th Percentile :	38 MPH

Mean Speed(Average) :	20 MPH
10 MPH Pace Speed :	26-35 MPH
Number in Pace :	380
Percent in Pace :	25.1%
Number of Vehicles > 30 MPH :	371
Percent of Vehicles > 30 MPH :	24.5%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
09/12/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	5	4	2	0	0	0	0	0	0	0	0	0	0	0	11
05:00	19	3	0	0	0	0	0	0	0	0	0	0	0	0	22
06:00	73	11	0	0	0	0	0	0	0	0	0	0	0	0	84
07:00	138	24	1	0	0	0	0	0	0	0	0	0	0	0	163
08:00	87	14	2	0	0	0	0	0	0	0	0	0	0	0	103
09:00	63	5	1	0	0	0	0	0	0	0	0	0	0	0	69
10:00	45	9	0	0	0	0	0	0	0	0	0	0	0	0	54
11:00	37	12	1	0	0	0	0	0	0	0	0	0	0	0	50
12 PM	53	3	1	0	0	0	0	0	0	0	0	0	0	0	57
13:00	45	7	0	0	0	0	0	0	0	0	0	0	0	0	52
14:00	78	9	4	1	0	0	0	0	0	0	0	0	0	0	92
15:00	99	19	3	1	0	0	0	0	0	0	0	0	0	0	122
16:00	96	18	2	0	0	0	0	0	0	0	0	0	0	0	116
17:00	124	15	0	0	0	0	0	0	0	0	0	0	0	0	139
18:00	76	11	2	1	0	0	0	0	0	0	0	0	0	0	90
19:00	53	6	0	0	0	0	0	0	0	0	0	0	0	0	59
20:00	48	5	1	0	0	0	0	0	0	0	0	0	0	0	54
21:00	24	4	0	0	0	0	0	0	0	0	0	0	0	0	28
22:00	10	2	0	0	1	0	0	0	0	0	0	0	0	0	13
23:00	10	2	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	1188	183	20	3	1	0	0	0	0	0	0	0	0	0	1395

Daily
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 353
 Percent in Pace : 25.3%
 Number of Vehicles > 30 MPH : 377
 Percent of Vehicles > 30 MPH : 27.0%

Grand Total	2519	347	35	5	1	0	0	0	0	0	0	0	0	0	2907
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 20 MPH
 85th Percentile : 34 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 21 MPH
 10 MPH Pace Speed : 1-10 MPH
 Number in Pace : 720
 Percent in Pace : 24.8%
 Number of Vehicles > 30 MPH : 748
 Percent of Vehicles > 30 MPH : 25.7%

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	3	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
06:00	0	7	1	0	1	0	0	1	0	0	0	0	0	10	2
07:00	0	13	2	0	0	0	0	0	0	0	0	0	0	15	0
08:00	1	16	4	0	0	0	0	0	0	0	0	0	0	21	0
09:00	0	16	9	0	2	0	0	0	0	0	0	0	0	27	2
10:00	0	24	5	0	3	1	0	1	0	0	0	0	0	34	5
11:00	0	18	6	1	0	1	0	1	0	0	0	0	0	27	3
12 PM	1	26	9	0	1	1	0	0	0	0	0	0	0	38	2
13:00	1	27	4	1	1	0	0	0	0	0	0	0	0	34	2
14:00	1	24	15	0	4	0	0	1	0	0	0	0	0	45	5
15:00	0	56	21	1	1	0	0	0	0	0	0	0	0	79	2
16:00	0	73	14	1	3	0	0	1	0	0	0	0	0	92	5
17:00	0	79	15	0	2	0	0	0	0	0	0	0	0	96	2
18:00	3	51	16	0	2	0	0	1	0	0	0	0	0	73	3
19:00	0	23	15	0	3	0	0	0	0	0	0	0	0	41	3
20:00	0	20	13	0	0	0	0	0	0	0	0	0	0	33	0
21:00	0	19	1	0	1	0	0	0	0	0	0	0	0	21	1
22:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
23:00	1	5	1	0	0	0	0	0	0	0	0	0	0	7	0
Total	8	506	155	4	24	3	0	6	0	0	0	0	0	706	37
Percent	1.1%	71.7%	22.0%	0.6%	3.4%	0.4%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%		5.2%
AM Peak Vol.	08:00	10:00	09:00	11:00	10:00	10:00		06:00						10:00	10:00
PM Peak Vol.	18:00	17:00	15:00	13:00	14:00	12:00		14:00						17:00	14:00
	3	79	21	1	4	1		1						96	5

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 32539
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 11-Sep-19
 Date End: 12-Sep-19
 Grove St, south of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
09/11/19	0	4	0	0	0	0	0	0	0	0	0	0	0	4	0
01:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	7	8	0	0	0	0	0	0	0	0	0	0	15	0
05:00	0	18	10	0	1	0	0	0	0	0	0	0	0	29	1
06:00	0	53	13	0	6	0	0	1	0	0	0	0	0	73	7
07:00	1	130	27	1	5	0	0	1	0	0	0	0	0	165	7
08:00	1	89	25	0	2	0	0	1	0	0	0	0	0	118	3
09:00	0	50	18	0	2	0	0	1	0	0	0	0	0	71	3
10:00	1	51	11	2	5	1	0	1	0	0	0	0	0	72	9
11:00	0	39	9	1	4	1	0	2	0	0	0	0	0	56	8
12 PM	1	54	19	0	2	1	0	0	0	0	0	0	0	77	3
13:00	1	51	13	1	4	0	0	0	0	0	0	0	0	70	5
14:00	1	46	20	0	6	0	0	1	0	0	0	0	0	74	7
15:00	0	82	34	3	3	0	0	0	0	0	0	0	0	122	6
16:00	0	109	28	1	4	0	0	1	0	0	0	0	0	143	6
17:00	1	111	33	0	4	1	0	0	0	0	0	0	0	150	5
18:00	3	74	27	0	4	0	0	1	0	0	0	0	0	109	5
19:00	0	42	23	0	5	0	0	0	0	0	0	0	0	70	5
20:00	0	28	15	0	0	0	0	0	0	0	0	0	0	43	0
21:00	1	24	2	0	1	0	0	0	0	0	0	0	0	28	1
22:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11	0
23:00	1	7	1	0	0	0	0	0	0	0	0	0	0	9	0
Total	12	1080	339	9	58	4	0	10	0	0	0	0	0	1512	81
Percent	0.8%	71.4%	22.4%	0.6%	3.8%	0.3%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%		5.4%
AM Peak Vol.	07:00	07:00	07:00	10:00	06:00	10:00		11:00						07:00	10:00
PM Peak Vol.	18:00	17:00	15:00	15:00	14:00	12:00		14:00						17:00	14:00
	3	111	34	3	6	1		1						150	7

Old Colony Planning Council
70 School Street
Brockton, MA 02301
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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

Start Time	07-Oct-19		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	*	*	*	*	2	14	5	17	*	*	*	*	*	*	4	16
01:00	*	*	*	*	2	1	0	6	*	*	*	*	*	*	1	4
02:00	*	*	*	*	7	1	2	2	*	*	*	*	*	*	4	2
03:00	*	*	*	*	5	1	2	0	*	*	*	*	*	*	4	0
04:00	*	*	*	*	52	2	48	2	*	*	*	*	*	*	50	2
05:00	*	*	*	*	80	10	80	10	*	*	*	*	*	*	80	10
06:00	*	*	*	*	136	28	145	27	*	*	*	*	*	*	140	28
07:00	*	*	*	*	310	80	295	79	*	*	*	*	*	*	302	80
08:00	*	*	*	*	240	73	247	77	*	*	*	*	*	*	244	75
09:00	*	*	*	*	170	95	177	88	*	*	*	*	*	*	174	92
10:00	*	*	*	*	162	112	169	98	*	*	*	*	*	*	166	105
11:00	*	*	*	*	154	151	144	137	*	*	*	*	*	*	149	144
12:00 PM	*	*	*	*	128	165	125	164	*	*	*	*	*	*	126	164
01:00	*	*	*	*	132	184	124	171	*	*	*	*	*	*	128	178
02:00	*	*	*	*	150	214	123	206	*	*	*	*	*	*	136	210
03:00	*	*	*	*	175	277	172	283	*	*	*	*	*	*	174	280
04:00	*	*	*	*	154	327	160	324	*	*	*	*	*	*	157	326
05:00	*	*	*	*	157	397	154	331	*	*	*	*	*	*	156	364
06:00	*	*	*	*	124	232	113	258	*	*	*	*	*	*	118	245
07:00	*	*	*	*	89	184	76	195	*	*	*	*	*	*	82	190
08:00	*	*	*	*	38	138	39	98	*	*	*	*	*	*	38	118
09:00	*	*	*	*	20	84	20	68	*	*	*	*	*	*	20	76
10:00	*	*	*	*	17	41	9	51	*	*	*	*	*	*	13	46
11:00	*	*	*	*	8	27	4	20	*	*	*	*	*	*	6	24
Lane	0	0	0	0	2512	2838	2433	2712	0	0	0	0	0	0	2472	2779
Day	0		0		5350		5145		0		0		0		5251	
AM Peak	-	-	-	-	07:00	11:00	07:00	11:00	-	-	-	-	-	-	07:00	11:00
Vol.	-	-	-	-	310	151	295	137	-	-	-	-	-	-	302	144
PM Peak	-	-	-	-	15:00	17:00	15:00	17:00	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	-	-	175	397	172	331	-	-	-	-	-	-	174	364

Comb. Total 0 0 5350 5145 0 0 0 5251

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

Start Time	09-Oct-19		NB		SB		Combined		10-Oct-		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			1	37	6	40	7	77		2	35	5	48	7	83	
12:15			0	29	3	45	3	74		2	23	6	45	8	68	
12:30			0	36	2	43	2	79		1	35	3	35	4	70	
12:45			1	26	3	37	4	63		0	32	3	36	3	68	
01:00			0	34	0	46	0	80		0	35	3	54	3	89	
01:15			2	42	0	38	2	80		0	27	2	43	2	70	
01:30			0	26	1	44	1	70		0	34	1	40	1	74	
01:45			0	30	0	56	0	86		0	28	0	34	0	62	
02:00			0	36	0	51	0	87		0	22	1	46	1	68	
02:15			1	36	0	47	1	83		1	27	1	47	2	74	
02:30			1	39	0	51	1	90		0	33	0	56	0	89	
02:45			5	39	1	65	6	104		1	41	0	57	1	98	
03:00			1	38	0	79	1	117		0	41	0	69	0	110	
03:15			0	35	0	62	0	97		0	40	0	84	0	124	
03:30			3	48	1	59	4	107		2	54	0	65	2	119	
03:45			1	54	0	77	1	131		0	37	0	65	0	102	
04:00			1	36	0	102	1	138		3	37	1	93	4	130	
04:15			8	45	0	80	8	125		13	42	0	80	13	122	
04:30			16	27	0	77	16	104		10	35	0	82	10	117	
04:45			27	46	2	68	29	114		22	46	1	69	23	115	
05:00			18	51	2	83	20	134		20	36	2	100	22	136	
05:15			22	30	4	119	26	149		15	33	3	75	18	108	
05:30			15	41	1	102	16	143		19	36	2	81	21	117	
05:45			25	35	3	93	28	128		26	49	3	75	29	124	
06:00			23	39	5	77	28	116		25	39	5	85	30	124	
06:15			31	29	6	61	37	90		23	32	5	66	28	98	
06:30			34	31	7	48	41	79		42	23	5	61	47	84	
06:45			48	25	10	46	58	71		55	19	12	46	67	65	
07:00			63	28	10	53	73	81		46	27	14	45	60	72	
07:15			78	31	30	59	108	90		74	22	17	61	91	83	
07:30			82	13	23	43	105	56		89	15	27	48	116	63	
07:45			87	17	17	29	104	46		86	12	21	41	107	53	
08:00			70	16	16	47	86	63		66	9	15	27	81	36	
08:15			60	10	25	40	85	50		66	8	23	30	89	38	
08:30			45	7	19	21	64	28		51	8	21	22	72	30	
08:45			65	5	13	30	78	35		64	14	18	19	82	33	
09:00			48	8	23	21	71	29		54	8	30	24	84	32	
09:15			42	8	21	18	63	26		36	3	19	22	55	25	
09:30			36	1	30	21	66	22		42	4	17	9	59	13	
09:45			44	3	21	24	65	27		45	5	22	13	67	18	
10:00			40	2	28	20	68	22		35	5	24	21	59	26	
10:15			49	5	27	9	76	14		54	1	27	13	81	14	
10:30			24	9	30	3	54	12		39	3	19	11	58	14	
10:45			49	1	27	9	76	10		41	0	28	6	69	6	
11:00			28	1	32	6	60	7		37	0	38	3	75	3	
11:15			42	4	39	6	81	10		29	0	31	4	60	4	
11:30			43	1	40	9	83	10		32	3	36	8	68	11	
11:45			41	2	40	6	81	8		46	1	32	5	78	6	
Total			1320	1192	568	2270	1888	3462		1314	1119	543	2169	1857	3288	
Day Total			2512		2838		5350			2433		2712		5145		
% Total			24.7%	22.3%	10.6%	42.4%				25.5%	21.7%	10.6%	42.2%			
Peak	-		07:15	03:30	11:00	05:00	07:15	05:00	-	07:15	02:45	11:00	04:15	07:15	04:15	
Vol.	-		317	183	151	397	403	554	-	315	176	137	331	395	490	
P.H.F.			0.911	0.847	0.944	0.834	0.933	0.930		0.885	0.815	0.901	0.828	0.851	0.901	

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Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	16	22	*	*	*	19
01:00	*	*	3	6	*	*	*	4
02:00	*	*	8	4	*	*	*	6
03:00	*	*	6	2	*	*	*	4
04:00	*	*	54	50	*	*	*	52
05:00	*	*	90	90	*	*	*	90
06:00	*	*	164	172	*	*	*	168
07:00	*	*	390	374	*	*	*	382
08:00	*	*	313	324	*	*	*	318
09:00	*	*	265	265	*	*	*	265
10:00	*	*	274	267	*	*	*	270
11:00	*	*	305	281	*	*	*	293
12:00 PM	*	*	293	289	*	*	*	291
01:00	*	*	316	295	*	*	*	306
02:00	*	*	364	329	*	*	*	346
03:00	*	*	452	455	*	*	*	454
04:00	*	*	481	484	*	*	*	482
05:00	*	*	554	485	*	*	*	520
06:00	*	*	356	371	*	*	*	364
07:00	*	*	273	271	*	*	*	272
08:00	*	*	176	137	*	*	*	156
09:00	*	*	104	88	*	*	*	96
10:00	*	*	58	60	*	*	*	59
11:00	*	*	35	24	*	*	*	30
Total	0	0	5350	5145	0	0	0	
Percentage	0.0%	0.0%	102.0%	98.1%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	390	374	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	554	485	-	-	-	-

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

NB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2
02:00	3	3	0	1	0	0	0	0	0	0	0	0	0	0	7
03:00	3	1	1	0	0	0	0	0	0	0	0	0	0	0	5
04:00	12	22	12	6	0	0	0	0	0	0	0	0	0	0	52
05:00	23	34	22	1	0	0	0	0	0	0	0	0	0	0	80
06:00	64	58	14	0	0	0	0	0	0	0	0	0	0	0	136
07:00	123	155	31	0	1	0	0	0	0	0	0	0	0	0	310
08:00	109	100	31	0	0	0	0	0	0	0	0	0	0	0	240
09:00	73	71	24	2	0	0	0	0	0	0	0	0	0	0	170
10:00	52	95	13	2	0	0	0	0	0	0	0	0	0	0	162
11:00	58	72	23	1	0	0	0	0	0	0	0	0	0	0	154
12 PM	35	79	13	1	0	0	0	0	0	0	0	0	0	0	128
13:00	45	73	12	2	0	0	0	0	0	0	0	0	0	0	132
14:00	51	80	18	1	0	0	0	0	0	0	0	0	0	0	150
15:00	75	83	15	2	0	0	0	0	0	0	0	0	0	0	175
16:00	43	91	17	3	0	0	0	0	0	0	0	0	0	0	154
17:00	57	84	14	2	0	0	0	0	0	0	0	0	0	0	157
18:00	63	50	10	1	0	0	0	0	0	0	0	0	0	0	124
19:00	49	36	4	0	0	0	0	0	0	0	0	0	0	0	89
20:00	20	13	5	0	0	0	0	0	0	0	0	0	0	0	38
21:00	5	15	0	0	0	0	0	0	0	0	0	0	0	0	20
22:00	13	4	0	0	0	0	0	0	0	0	0	0	0	0	17
23:00	2	3	1	1	1	0	0	0	0	0	0	0	0	0	8
Total	979	1223	281	26	2	1	0	0	0	0	0	0	0	0	2512

Daily

15th Percentile :	13 MPH
50th Percentile :	36 MPH
85th Percentile :	39 MPH
95th Percentile :	43 MPH

Mean Speed(Average) :	31 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1504
Percent in Pace :	59.9%
Number of Vehicles > 30 MPH :	1673
Percent of Vehicles > 30 MPH :	66.6%

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 Center St, south of Hanover St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	1	2	1	1	0	0	0	0	0	0	0	0	0	0	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	11	19	13	5	0	0	0	0	0	0	0	0	0	0	48
05:00	28	32	15	4	1	0	0	0	0	0	0	0	0	0	80
06:00	71	58	15	1	0	0	0	0	0	0	0	0	0	0	145
07:00	103	162	28	2	0	0	0	0	0	0	0	0	0	0	295
08:00	115	101	30	1	0	0	0	0	0	0	0	0	0	0	247
09:00	70	87	18	2	0	0	0	0	0	0	0	0	0	0	177
10:00	63	85	20	0	1	0	0	0	0	0	0	0	0	0	169
11:00	42	75	22	5	0	0	0	0	0	0	0	0	0	0	144
12 PM	45	56	23	1	0	0	0	0	0	0	0	0	0	0	125
13:00	38	66	18	1	0	1	0	0	0	0	0	0	0	0	124
14:00	52	53	14	3	1	0	0	0	0	0	0	0	0	0	123
15:00	77	72	22	0	0	1	0	0	0	0	0	0	0	0	172
16:00	71	69	19	1	0	0	0	0	0	0	0	0	0	0	160
17:00	43	94	14	3	0	0	0	0	0	0	0	0	0	0	154
18:00	44	59	9	0	1	0	0	0	0	0	0	0	0	0	113
19:00	32	36	8	0	0	0	0	0	0	0	0	0	0	0	76
20:00	13	22	3	1	0	0	0	0	0	0	0	0	0	0	39
21:00	4	11	4	1	0	0	0	0	0	0	0	0	0	0	20
22:00	3	3	3	0	0	0	0	0	0	0	0	0	0	0	9
23:00	0	3	0	1	0	0	0	0	0	0	0	0	0	0	4
Total	929	1165	300	33	4	2	0	0	0	0	0	0	0	0	2433

Daily
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1465
 Percent in Pace : 60.2%
 Number of Vehicles > 30 MPH : 1637
 Percent of Vehicles > 30 MPH : 67.3%

Grand Total	1908	2388	581	59	6	3	0	0	0	0	0	0	0	0	4945
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Overall
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2969
 Percent in Pace : 60.0%
 Number of Vehicles > 30 MPH : 3310
 Percent of Vehicles > 30 MPH : 66.9%

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 Layout: L6 Basic (2')

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 Site Code: 122
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 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	1	4	6	2	1	0	0	0	0	0	0	0	0	0	14
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	2	4	4	0	0	0	0	0	0	0	0	0	0	0	10
06:00	13	6	8	1	0	0	0	0	0	0	0	0	0	0	28
07:00	26	34	17	3	0	0	0	0	0	0	0	0	0	0	80
08:00	27	27	16	3	0	0	0	0	0	0	0	0	0	0	73
09:00	21	43	29	1	1	0	0	0	0	0	0	0	0	0	95
10:00	30	38	37	4	3	0	0	0	0	0	0	0	0	0	112
11:00	41	58	37	11	4	0	0	0	0	0	0	0	0	0	151
12 PM	29	77	46	10	1	1	1	0	0	0	0	0	0	0	165
13:00	44	77	55	5	2	1	0	0	0	0	0	0	0	0	184
14:00	51	82	63	16	2	0	0	0	0	0	0	0	0	0	214
15:00	69	112	83	13	0	0	0	0	0	0	0	0	0	0	277
16:00	72	138	91	25	0	1	0	0	0	0	0	0	0	0	327
17:00	88	200	95	13	0	0	1	0	0	0	0	0	0	0	397
18:00	62	113	52	4	1	0	0	0	0	0	0	0	0	0	232
19:00	50	95	34	4	1	0	0	0	0	0	0	0	0	0	184
20:00	48	54	33	3	0	0	0	0	0	0	0	0	0	0	138
21:00	20	32	25	7	0	0	0	0	0	0	0	0	0	0	84
22:00	14	12	13	2	0	0	0	0	0	0	0	0	0	0	41
23:00	9	4	11	2	1	0	0	0	0	0	0	0	0	0	27
Total	717	1212	757	130	17	3	2	0	0	0	0	0	0	0	2838

Daily

15th Percentile :	20 MPH
50th Percentile :	37 MPH
85th Percentile :	43 MPH
95th Percentile :	45 MPH

Mean Speed(Average) :	35 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1969
Percent in Pace :	69.4%
Number of Vehicles > 30 MPH :	2223
Percent of Vehicles > 30 MPH :	78.3%

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SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	1	5	6	3	0	1	1	0	0	0	0	0	0	0	17
01:00	0	0	2	3	0	1	0	0	0	0	0	0	0	0	6
02:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	3	3	4	0	0	0	0	0	0	0	0	0	0	0	10
06:00	12	8	3	4	0	0	0	0	0	0	0	0	0	0	27
07:00	24	27	20	7	0	1	0	0	0	0	0	0	0	0	79
08:00	22	30	19	5	0	1	0	0	0	0	0	0	0	0	77
09:00	23	37	20	8	0	0	0	0	0	0	0	0	0	0	88
10:00	26	40	25	7	0	0	0	0	0	0	0	0	0	0	98
11:00	21	58	48	7	3	0	0	0	0	0	0	0	0	0	137
12 PM	30	74	49	11	0	0	0	0	0	0	0	0	0	0	164
13:00	44	63	47	16	1	0	0	0	0	0	0	0	0	0	171
14:00	36	87	63	18	2	0	0	0	0	0	0	0	0	0	206
15:00	71	103	86	22	1	0	0	0	0	0	0	0	0	0	283
16:00	56	136	107	24	1	0	0	0	0	0	0	0	0	0	324
17:00	97	125	86	21	2	0	0	0	0	0	0	0	0	0	331
18:00	65	99	77	15	2	0	0	0	0	0	0	0	0	0	258
19:00	35	100	41	14	3	1	1	0	0	0	0	0	0	0	195
20:00	12	39	32	13	1	1	0	0	0	0	0	0	0	0	98
21:00	8	30	22	6	1	0	1	0	0	0	0	0	0	0	68
22:00	5	14	23	7	2	0	0	0	0	0	0	0	0	0	51
23:00	5	4	6	4	1	0	0	0	0	0	0	0	0	0	20
Total	597	1084	787	215	20	6	3	0	0	0	0	0	0	0	2712

Daily
 15th Percentile : 23 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 47 MPH

 Mean Speed(Average) : 36 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1871
 Percent in Pace : 69.0%
 Number of Vehicles > 30 MPH : 2200
 Percent of Vehicles > 30 MPH : 81.1%

Grand Total	1314	2296	1544	345	37	9	5	0	0	0	0	0	0	0	5550
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Overall
 15th Percentile : 22 MPH
 50th Percentile : 38 MPH
 85th Percentile : 43 MPH
 95th Percentile : 46 MPH

 Mean Speed(Average) : 35 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3840
 Percent in Pace : 69.2%
 Number of Vehicles > 30 MPH : 4424
 Percent of Vehicles > 30 MPH : 79.7%

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 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	2	5	6	2	1	0	0	0	0	0	0	0	0	0	16
01:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3
02:00	3	3	1	1	0	0	0	0	0	0	0	0	0	0	8
03:00	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6
04:00	12	23	13	6	0	0	0	0	0	0	0	0	0	0	54
05:00	25	38	26	1	0	0	0	0	0	0	0	0	0	0	90
06:00	77	64	22	1	0	0	0	0	0	0	0	0	0	0	164
07:00	149	189	48	3	1	0	0	0	0	0	0	0	0	0	390
08:00	136	127	47	3	0	0	0	0	0	0	0	0	0	0	313
09:00	94	114	53	3	1	0	0	0	0	0	0	0	0	0	265
10:00	82	133	50	6	3	0	0	0	0	0	0	0	0	0	274
11:00	99	130	60	12	4	0	0	0	0	0	0	0	0	0	305
12 PM	64	156	59	11	1	1	1	0	0	0	0	0	0	0	293
13:00	89	150	67	7	2	1	0	0	0	0	0	0	0	0	316
14:00	102	162	81	17	2	0	0	0	0	0	0	0	0	0	364
15:00	144	195	98	15	0	0	0	0	0	0	0	0	0	0	452
16:00	115	229	108	28	0	1	0	0	0	0	0	0	0	0	481
17:00	145	284	109	15	0	0	1	0	0	0	0	0	0	0	554
18:00	125	163	62	5	1	0	0	0	0	0	0	0	0	0	356
19:00	99	131	38	4	1	0	0	0	0	0	0	0	0	0	273
20:00	68	67	38	3	0	0	0	0	0	0	0	0	0	0	176
21:00	25	47	25	7	0	0	0	0	0	0	0	0	0	0	104
22:00	27	16	13	2	0	0	0	0	0	0	0	0	0	0	58
23:00	11	7	12	3	2	0	0	0	0	0	0	0	0	0	35
Total	1696	2435	1038	156	19	4	2	0	0	0	0	0	0	0	5350

Daily

15th Percentile :	16 MPH
50th Percentile :	37 MPH
85th Percentile :	42 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	33 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	3473
Percent in Pace :	64.9%
Number of Vehicles > 30 MPH :	3896
Percent of Vehicles > 30 MPH :	72.8%

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NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	2	7	7	4	0	1	1	0	0	0	0	0	0	0	22
01:00	0	0	2	3	0	1	0	0	0	0	0	0	0	0	6
02:00	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
03:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	11	21	13	5	0	0	0	0	0	0	0	0	0	0	50
05:00	31	35	19	4	1	0	0	0	0	0	0	0	0	0	90
06:00	83	66	18	5	0	0	0	0	0	0	0	0	0	0	172
07:00	127	189	48	9	0	1	0	0	0	0	0	0	0	0	374
08:00	137	131	49	6	0	1	0	0	0	0	0	0	0	0	324
09:00	93	124	38	10	0	0	0	0	0	0	0	0	0	0	265
10:00	89	125	45	7	1	0	0	0	0	0	0	0	0	0	267
11:00	63	133	70	12	3	0	0	0	0	0	0	0	0	0	281
12 PM	75	130	72	12	0	0	0	0	0	0	0	0	0	0	289
13:00	82	129	65	17	1	1	0	0	0	0	0	0	0	0	295
14:00	88	140	77	21	3	0	0	0	0	0	0	0	0	0	329
15:00	148	175	108	22	1	1	0	0	0	0	0	0	0	0	455
16:00	127	205	126	25	1	0	0	0	0	0	0	0	0	0	484
17:00	140	219	100	24	2	0	0	0	0	0	0	0	0	0	485
18:00	109	158	86	15	3	0	0	0	0	0	0	0	0	0	371
19:00	67	136	49	14	3	1	1	0	0	0	0	0	0	0	271
20:00	25	61	35	14	1	1	0	0	0	0	0	0	0	0	137
21:00	12	41	26	7	1	0	1	0	0	0	0	0	0	0	88
22:00	8	17	26	7	2	0	0	0	0	0	0	0	0	0	60
23:00	5	7	6	5	1	0	0	0	0	0	0	0	0	0	24
Total	1526	2249	1087	248	24	8	3	0	0	0	0	0	0	0	5145

Daily
 15th Percentile : 17 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 45 MPH

 Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3336
 Percent in Pace : 64.8%
 Number of Vehicles > 30 MPH : 3837
 Percent of Vehicles > 30 MPH : 74.6%

Grand Total	3222	4684	2125	404	43	12	5	0	0	0	0	0	0	0	10495
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Overall
 15th Percentile : 17 MPH
 50th Percentile : 37 MPH
 85th Percentile : 42 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 6809
 Percent in Pace : 64.9%
 Number of Vehicles > 30 MPH : 7733
 Percent of Vehicles > 30 MPH : 73.7%

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 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	5	1	0	1	0	0	0	0	0	0	0	0	7	1
03:00	0	3	2	0	0	0	0	0	0	0	0	0	0	5	0
04:00	0	32	17	0	3	0	0	0	0	0	0	0	0	52	3
05:00	0	54	24	1	1	0	0	0	0	0	0	0	0	80	2
06:00	0	92	34	1	8	0	0	0	1	0	0	0	0	136	10
07:00	2	237	50	2	15	1	0	2	1	0	0	0	0	310	21
08:00	1	189	37	1	10	2	0	0	0	0	0	0	0	240	13
09:00	1	140	17	1	9	1	0	0	1	0	0	0	0	170	12
10:00	2	122	31	0	3	3	0	0	1	0	0	0	0	162	7
11:00	0	122	26	0	5	0	0	0	1	0	0	0	0	154	6
12 PM	0	102	16	1	6	1	0	1	1	0	0	0	0	128	10
13:00	0	102	22	0	5	1	0	0	2	0	0	0	0	132	8
14:00	0	111	29	3	5	1	0	0	1	0	0	0	0	150	10
15:00	2	124	39	4	6	0	0	0	0	0	0	0	0	175	10
16:00	1	119	26	1	6	1	0	0	0	0	0	0	0	154	8
17:00	3	124	23	1	5	1	0	0	0	0	0	0	0	157	7
18:00	0	94	28	0	2	0	0	0	0	0	0	0	0	124	2
19:00	2	69	14	1	3	0	0	0	0	0	0	0	0	89	4
20:00	0	24	11	0	1	1	0	1	0	0	0	0	0	38	3
21:00	0	15	5	0	0	0	0	0	0	0	0	0	0	20	0
22:00	0	14	0	0	3	0	0	0	0	0	0	0	0	17	3
23:00	0	7	1	0	0	0	0	0	0	0	0	0	0	8	0
Total	14	1904	454	17	97	13	0	4	9	0	0	0	0	2512	140
Percent	0.6%	75.8%	18.1%	0.7%	3.9%	0.5%	0.0%	0.2%	0.4%	0.0%	0.0%	0.0%	0.0%		5.6%
AM Peak	07:00	07:00	07:00	07:00	07:00	10:00		07:00	06:00					07:00	07:00
Vol.	2	237	50	2	15	3		2	1					310	21
PM Peak	17:00	15:00	15:00	15:00	12:00	12:00		12:00	13:00					15:00	12:00
Vol.	3	124	39	4	6	1		1	2					175	10

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	5	0	0	0	0	0	0	0	0	0	0	0	5	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2	1
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	33	13	0	1	0	0	1	0	0	0	0	0	48	2
05:00	0	50	28	0	2	0	0	0	0	0	0	0	0	80	2
06:00	0	100	35	2	8	0	0	0	0	0	0	0	0	145	10
07:00	1	231	52	1	9	0	0	1	0	0	0	0	0	295	11
08:00	1	190	37	3	14	1	0	0	1	0	0	0	0	247	19
09:00	0	137	28	1	9	1	0	0	1	0	0	0	0	177	12
10:00	2	121	38	0	7	1	0	0	0	0	0	0	0	169	8
11:00	0	119	20	1	3	0	1	0	0	0	0	0	0	144	5
12 PM	0	101	17	1	6	0	0	0	0	0	0	0	0	125	7
13:00	0	96	19	2	6	0	1	0	0	0	0	0	0	124	9
14:00	0	96	23	1	2	1	0	0	0	0	0	0	0	123	4
15:00	1	139	23	4	4	1	0	0	0	0	0	0	0	172	9
16:00	1	126	24	0	6	3	0	0	0	0	0	0	0	160	9
17:00	1	127	25	0	1	0	0	0	0	0	0	0	0	154	1
18:00	2	83	26	0	2	0	0	0	0	0	0	0	0	113	2
19:00	0	62	12	0	1	1	0	0	0	0	0	0	0	76	2
20:00	2	24	13	0	0	0	0	0	0	0	0	0	0	39	0
21:00	0	19	1	0	0	0	0	0	0	0	0	0	0	20	0
22:00	0	8	1	0	0	0	0	0	0	0	0	0	0	9	0
23:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
Total	11	1870	439	16	82	9	2	2	2	0	0	0	0	2433	113
Percent	0.5%	76.9%	18.0%	0.7%	3.4%	0.4%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		4.6%
AM Peak Vol.	2	231	52	3	14	1	1	1	1					295	19
PM Peak Vol.	2	139	26	4	6	3	1							172	9
Grand Total	25	3774	893	33	179	22	2	6	11	0	0	0	0	4945	253
Percent	0.5%	76.3%	18.1%	0.7%	3.6%	0.4%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%		5.1%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	7	5	0	2	0	0	0	0	0	0	0	0	14	2
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	4	2	0	4	0	0	0	0	0	0	0	0	10	4
06:00	0	13	10	1	4	0	0	0	0	0	0	0	0	28	5
07:00	2	40	19	2	16	0	1	0	0	0	0	0	0	80	19
08:00	1	26	28	3	11	1	1	2	0	0	0	0	0	73	18
09:00	0	46	30	2	14	0	1	2	0	0	0	0	0	95	19
10:00	1	47	46	0	15	2	0	0	1	0	0	0	0	112	18
11:00	0	78	51	1	19	1	1	0	0	0	0	0	0	151	22
12 PM	0	86	58	2	19	0	0	0	0	0	0	0	0	165	21
13:00	1	89	72	3	19	0	0	0	0	0	0	0	0	184	22
14:00	0	107	77	1	24	1	0	3	1	0	0	0	0	214	30
15:00	2	134	96	4	39	0	0	1	1	0	0	0	0	277	45
16:00	1	179	106	1	38	1	0	0	1	0	0	0	0	327	41
17:00	2	219	129	0	46	0	0	1	0	0	0	0	0	397	47
18:00	0	119	83	1	28	1	0	0	0	0	0	0	0	232	30
19:00	0	89	65	0	29	0	0	1	0	0	0	0	0	184	30
20:00	1	75	52	0	10	0	0	0	0	0	0	0	0	138	10
21:00	0	55	21	0	8	0	0	0	0	0	0	0	0	84	8
22:00	0	29	10	0	2	0	0	0	0	0	0	0	0	41	2
23:00	0	14	9	0	4	0	0	0	0	0	0	0	0	27	4
Total	11	1458	971	21	352	7	4	10	4	0	0	0	0	2838	398
Percent	0.4%	51.4%	34.2%	0.7%	12.4%	0.2%	0.1%	0.4%	0.1%	0.0%	0.0%	0.0%	0.0%		14.0%
AM Peak	07:00	11:00	11:00	08:00	11:00	10:00	07:00	08:00	10:00					11:00	11:00
Vol.	2	78	51	3	19	2	1	2	1					151	22
PM Peak	15:00	17:00	17:00	15:00	17:00	14:00		14:00	14:00					17:00	17:00
Vol.	2	219	129	4	46	1		3	1					397	47

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	7	9	0	1	0	0	0	0	0	0	0	0	17	1
01:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	5	2	0	3	0	0	0	0	0	0	0	0	10	3
06:00	0	12	10	0	5	0	0	0	0	0	0	0	0	27	5
07:00	0	34	31	1	10	1	0	0	2	0	0	0	0	79	14
08:00	1	33	34	0	7	1	0	0	1	0	0	0	0	77	9
09:00	0	44	31	0	12	0	0	0	1	0	0	0	0	88	13
10:00	1	54	26	0	17	0	0	0	0	0	0	0	0	98	17
11:00	0	67	44	0	26	0	0	0	0	0	0	0	0	137	26
12 PM	1	89	59	2	12	0	0	1	0	0	0	0	0	164	15
13:00	0	92	54	1	22	2	0	0	0	0	0	0	0	171	25
14:00	0	87	88	0	29	1	0	1	0	0	0	0	0	206	31
15:00	2	131	102	2	43	2	0	0	1	0	0	0	0	283	48
16:00	1	182	107	2	32	0	0	0	0	0	0	0	0	324	34
17:00	1	185	94	1	48	1	0	1	0	0	0	0	0	331	51
18:00	1	144	86	2	23	1	0	1	0	0	0	0	0	258	27
19:00	2	96	66	0	31	0	0	0	0	0	0	0	0	195	31
20:00	0	49	38	1	9	1	0	0	0	0	0	0	0	98	11
21:00	0	46	14	0	8	0	0	0	0	0	0	0	0	68	8
22:00	0	30	13	0	8	0	0	0	0	0	0	0	0	51	8
23:00	0	11	6	0	3	0	0	0	0	0	0	0	0	20	3
Total	10	1404	918	12	349	10	0	4	5	0	0	0	0	2712	380
Percent	0.4%	51.8%	33.8%	0.4%	12.9%	0.4%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%		14.0%
AM Peak	08:00	11:00	11:00	07:00	11:00	07:00			07:00					11:00	11:00
Vol.	1	67	44	1	26	1			2					137	26
PM Peak	15:00	17:00	16:00	12:00	17:00	13:00		12:00	15:00					17:00	17:00
Vol.	2	185	107	2	48	2		1	1					331	51
Grand Total	21	2862	1889	33	701	17	4	14	9	0	0	0	0	5550	778
Percent	0.4%	51.6%	34.0%	0.6%	12.6%	0.3%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		14.0%

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	9	5	0	2	0	0	0	0	0	0	0	0	16	2
01:00	0	1	1	0	1	0	0	0	0	0	0	0	0	3	1
02:00	0	6	1	0	1	0	0	0	0	0	0	0	0	8	1
03:00	0	3	3	0	0	0	0	0	0	0	0	0	0	6	0
04:00	0	33	18	0	3	0	0	0	0	0	0	0	0	54	3
05:00	0	58	26	1	5	0	0	0	0	0	0	0	0	90	6
06:00	0	105	44	2	12	0	0	0	1	0	0	0	0	164	15
07:00	4	277	69	4	31	1	1	2	1	0	0	0	0	390	40
08:00	2	215	65	4	21	3	1	2	0	0	0	0	0	313	31
09:00	1	186	47	3	23	1	1	2	1	0	0	0	0	265	31
10:00	3	169	77	0	18	5	0	0	2	0	0	0	0	274	25
11:00	0	200	77	1	24	1	1	0	1	0	0	0	0	305	28
12 PM	0	188	74	3	25	1	0	1	1	0	0	0	0	293	31
13:00	1	191	94	3	24	1	0	0	2	0	0	0	0	316	30
14:00	0	218	106	4	29	2	0	3	2	0	0	0	0	364	40
15:00	4	258	135	8	45	0	0	1	1	0	0	0	0	452	55
16:00	2	298	132	2	44	2	0	0	1	0	0	0	0	481	49
17:00	5	343	152	1	51	1	0	1	0	0	0	0	0	554	54
18:00	0	213	111	1	30	1	0	0	0	0	0	0	0	356	32
19:00	2	158	79	1	32	0	0	1	0	0	0	0	0	273	34
20:00	1	99	63	0	11	1	0	1	0	0	0	0	0	176	13
21:00	0	70	26	0	8	0	0	0	0	0	0	0	0	104	8
22:00	0	43	10	0	5	0	0	0	0	0	0	0	0	58	5
23:00	0	21	10	0	4	0	0	0	0	0	0	0	0	35	4
Total	25	3362	1425	38	449	20	4	14	13	0	0	0	0	5350	538
Percent	0.5%	62.8%	26.6%	0.7%	8.4%	0.4%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		10.1%
AM Peak	07:00	07:00	10:00	07:00	07:00	10:00	07:00	07:00	10:00					07:00	07:00
Vol.	4	277	77	4	31	5	1	2	2					390	40
PM Peak	17:00	17:00	17:00	15:00	17:00	14:00		14:00	13:00					17:00	15:00
Vol.	5	343	152	8	51	2		3	2					554	55

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

Community: Hanover
 Com#_UR/FC: 122_U6
 Recorder #: 25236
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Center St, south of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	12	9	0	1	0	0	0	0	0	0	0	0	22	1
01:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
02:00	0	1	2	0	1	0	0	0	0	0	0	0	0	4	1
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	34	14	0	1	0	0	1	0	0	0	0	0	50	2
05:00	0	55	30	0	5	0	0	0	0	0	0	0	0	90	5
06:00	0	112	45	2	13	0	0	0	0	0	0	0	0	172	15
07:00	1	265	83	2	19	1	0	1	2	0	0	0	0	374	25
08:00	2	223	71	3	21	2	0	0	2	0	0	0	0	324	28
09:00	0	181	59	1	21	1	0	0	2	0	0	0	0	265	25
10:00	3	175	64	0	24	1	0	0	0	0	0	0	0	267	25
11:00	0	186	64	1	29	0	1	0	0	0	0	0	0	281	31
12 PM	1	190	76	3	18	0	0	1	0	0	0	0	0	289	22
13:00	0	188	73	3	28	2	1	0	0	0	0	0	0	295	34
14:00	0	183	111	1	31	2	0	1	0	0	0	0	0	329	35
15:00	3	270	125	6	47	3	0	0	1	0	0	0	0	455	57
16:00	2	308	131	2	38	3	0	0	0	0	0	0	0	484	43
17:00	2	312	119	1	49	1	0	1	0	0	0	0	0	485	52
18:00	3	227	112	2	25	1	0	1	0	0	0	0	0	371	29
19:00	2	158	78	0	32	1	0	0	0	0	0	0	0	271	33
20:00	2	73	51	1	9	1	0	0	0	0	0	0	0	137	11
21:00	0	65	15	0	8	0	0	0	0	0	0	0	0	88	8
22:00	0	38	14	0	8	0	0	0	0	0	0	0	0	60	8
23:00	0	14	7	0	3	0	0	0	0	0	0	0	0	24	3
Total	21	3274	1357	28	431	19	2	6	7	0	0	0	0	5145	493
Percent	0.4%	63.6%	26.4%	0.5%	8.4%	0.4%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		9.6%
AM Peak Vol.	10:00	07:00	07:00	08:00	11:00	08:00	11:00	04:00	07:00					07:00	11:00
PM Peak Vol.	15:00	17:00	16:00	15:00	17:00	15:00	13:00	12:00	15:00					17:00	15:00
Grand Total	46	6636	2782	66	880	39	6	20	20	0	0	0	0	10495	1031
Percent	0.4%	63.2%	26.5%	0.6%	8.4%	0.4%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%		9.8%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

Start Time	07-Oct-19		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	*	*	*	*	2	4	3	12	*	*	*	*	*	*	2	8
01:00	*	*	*	*	3	2	2	1	*	*	*	*	*	*	2	2
02:00	*	*	*	*	0	0	0	0	*	*	*	*	*	*	0	0
03:00	*	*	*	*	2	0	1	2	*	*	*	*	*	*	2	1
04:00	*	*	*	*	6	0	8	3	*	*	*	*	*	*	7	2
05:00	*	*	*	*	39	15	43	8	*	*	*	*	*	*	41	12
06:00	*	*	*	*	106	39	95	41	*	*	*	*	*	*	100	40
07:00	*	*	*	*	346	151	348	130	*	*	*	*	*	*	347	140
08:00	*	*	*	*	234	138	236	179	*	*	*	*	*	*	235	158
09:00	*	*	*	*	156	124	162	103	*	*	*	*	*	*	159	114
10:00	*	*	*	*	136	118	146	108	*	*	*	*	*	*	141	113
11:00	*	*	*	*	143	117	132	111	*	*	*	*	*	*	138	114
12:00 PM	*	*	*	*	140	124	145	141	*	*	*	*	*	*	142	132
01:00	*	*	*	*	140	152	136	132	*	*	*	*	*	*	138	142
02:00	*	*	*	*	177	280	150	249	*	*	*	*	*	*	164	264
03:00	*	*	*	*	251	302	249	296	*	*	*	*	*	*	250	299
04:00	*	*	*	*	229	299	205	275	*	*	*	*	*	*	217	287
05:00	*	*	*	*	223	352	189	267	*	*	*	*	*	*	206	310
06:00	*	*	*	*	144	203	151	196	*	*	*	*	*	*	148	200
07:00	*	*	*	*	84	103	88	131	*	*	*	*	*	*	86	117
08:00	*	*	*	*	74	104	73	69	*	*	*	*	*	*	74	86
09:00	*	*	*	*	40	49	29	41	*	*	*	*	*	*	34	45
10:00	*	*	*	*	17	13	11	22	*	*	*	*	*	*	14	18
11:00	*	*	*	*	7	9	10	13	*	*	*	*	*	*	8	11
Lane	0	0	0	0	2699	2698	2612	2530	0	0	0	0	0	0	2655	2615
Day	0	0	0	0	5397	5397	5142	5142	0	0	0	0	0	0	5270	5270
AM Peak	-	-	-	-	07:00	07:00	07:00	08:00	-	-	-	-	-	-	07:00	08:00
Vol.	-	-	-	-	346	151	348	179	-	-	-	-	-	-	347	158
PM Peak	-	-	-	-	15:00	17:00	15:00	15:00	-	-	-	-	-	-	15:00	17:00
Vol.	-	-	-	-	251	352	249	296	-	-	-	-	-	-	250	310

Comb. Total 0 0 5397 5142 0 0 0 5270

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

Start Time	09-Oct-19		NB		SB		Combined		10-Oct-		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			1	36	1	32	2	68		0	42	3	42	3	84	
12:15			1	33	1	34	2	67		0	30	3	39	3	69	
12:30			0	34	2	28	2	62		3	40	5	29	8	69	
12:45			0	37	0	30	0	67		0	33	1	31	1	64	
01:00			0	30	0	37	0	67		0	30	1	39	1	69	
01:15			3	42	0	48	3	90		2	36	0	27	2	63	
01:30			0	36	2	37	2	73		0	41	0	39	0	80	
01:45			0	32	0	30	0	62		0	29	0	27	0	56	
02:00			0	37	0	48	0	85		0	31	0	44	0	75	
02:15			0	52	0	36	0	88		0	34	0	36	0	70	
02:30			0	46	0	82	0	128		0	42	0	64	0	106	
02:45			0	42	0	114	0	156		0	43	0	105	0	148	
03:00			0	87	0	84	0	171		0	70	1	87	1	157	
03:15			0	47	0	58	0	105		0	60	1	57	1	117	
03:30			1	59	0	71	1	130		0	58	0	76	0	134	
03:45			1	58	0	89	1	147		1	61	0	76	1	137	
04:00			0	64	0	81	0	145		1	57	0	64	1	121	
04:15			1	57	0	74	1	131		1	55	0	74	1	129	
04:30			1	69	0	55	1	124		4	44	0	69	4	113	
04:45			4	39	0	89	4	128		2	49	3	68	5	117	
05:00			4	81	6	93	10	174		4	51	2	77	6	128	
05:15			11	56	4	93	15	149		11	43	2	70	13	113	
05:30			12	42	2	90	14	132		10	43	2	65	12	108	
05:45			12	44	3	76	15	120		18	52	2	55	20	107	
06:00			21	39	5	71	26	110		7	42	5	55	12	97	
06:15			17	39	3	49	20	88		18	37	2	58	20	95	
06:30			29	32	12	39	41	71		30	47	13	39	43	86	
06:45			39	34	19	44	58	78		40	25	21	44	61	69	
07:00			70	39	18	32	88	71		64	28	16	37	80	65	
07:15			90	17	40	45	130	62		80	31	26	37	106	68	
07:30			108	11	49	20	157	31		112	12	41	30	153	42	
07:45			78	17	44	6	122	23		92	17	47	27	139	44	
08:00			58	19	29	35	87	54		50	18	36	15	86	33	
08:15			81	18	47	31	128	49		82	25	64	15	146	40	
08:30			53	29	24	20	77	49		55	15	28	21	83	36	
08:45			42	8	38	18	80	26		49	15	51	18	100	33	
09:00			47	17	34	15	81	32		48	11	26	11	74	22	
09:15			39	12	22	13	61	25		31	9	25	14	56	23	
09:30			31	5	32	14	63	19		38	7	22	4	60	11	
09:45			39	6	36	7	75	13		45	2	30	12	75	14	
10:00			34	6	35	5	69	11		42	5	33	6	75	11	
10:15			33	4	36	5	69	9		36	1	22	8	58	9	
10:30			30	4	26	2	56	6		30	2	29	5	59	7	
10:45			39	3	21	1	60	4		38	3	24	3	62	6	
11:00			44	2	20	2	64	4		35	1	19	1	54	2	
11:15			37	1	38	2	75	3		34	2	29	4	63	6	
11:30			28	3	27	2	55	5		21	4	27	4	48	8	
11:45			34	1	32	3	66	4		42	3	36	4	78	7	
Total			1173	1526	708	1990	1881	3516		1176	1436	698	1832	1874	3268	
Day Total			2699		2698		5397			2612		2530		5142		
% Total			21.7%	28.3%	13.1%	36.9%				22.9%	27.9%	13.6%	35.6%			
Peak	-		07:00	03:00	07:30	04:45	07:00	04:45	-	07:00	03:00	07:30	02:45	07:30	02:45	
Vol.	-		346	251	169	365	497	583	-	348	249	188	325	524	556	
P.H.F.			0.801	0.721	0.862	0.800	0.791	0.838		0.777	0.889	0.734	0.774	0.856	0.885	

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

Start Time	07-Oct-19 Mon	08-Oct-19 Tue	09-Oct-19 Wed	10-Oct-19 Thu	11-Oct-19 Fri	12-Oct-19 Sat	13-Oct-19 Sun	Week Average
12:00 AM	*	*	6	15	*	*	*	10
01:00	*	*	5	3	*	*	*	4
02:00	*	*	0	0	*	*	*	0
03:00	*	*	2	3	*	*	*	2
04:00	*	*	6	11	*	*	*	8
05:00	*	*	54	51	*	*	*	52
06:00	*	*	145	136	*	*	*	140
07:00	*	*	497	478	*	*	*	488
08:00	*	*	372	415	*	*	*	394
09:00	*	*	280	265	*	*	*	272
10:00	*	*	254	254	*	*	*	254
11:00	*	*	260	243	*	*	*	252
12:00 PM	*	*	264	286	*	*	*	275
01:00	*	*	292	268	*	*	*	280
02:00	*	*	457	399	*	*	*	428
03:00	*	*	553	545	*	*	*	549
04:00	*	*	528	480	*	*	*	504
05:00	*	*	575	456	*	*	*	516
06:00	*	*	347	347	*	*	*	347
07:00	*	*	187	219	*	*	*	203
08:00	*	*	178	142	*	*	*	160
09:00	*	*	89	70	*	*	*	80
10:00	*	*	30	33	*	*	*	32
11:00	*	*	16	23	*	*	*	20
Total	0	0	5397	5142	0	0	0	
Percentage	0.0%	0.0%	102.4%	97.6%	0.0%	0.0%	0.0%	
AM Peak	-	-	07:00	07:00	-	-	-	-
Vol.	-	-	497	478	-	-	-	-
PM Peak	-	-	17:00	15:00	-	-	-	-
Vol.	-	-	575	545	-	-	-	-

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Community: Hanover
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 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB	Start	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999		
10/09/19	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	3	2	1	0	0	0	0	0	0	0	0	0	0	0	6
05:00	9	22	8	0	0	0	0	0	0	0	0	0	0	0	0	39
06:00	35	52	18	1	0	0	0	0	0	0	0	0	0	0	0	106
07:00	116	175	48	6	1	0	0	0	0	0	0	0	0	0	0	346
08:00	79	110	37	6	2	0	0	0	0	0	0	0	0	0	0	234
09:00	44	93	16	3	0	0	0	0	0	0	0	0	0	0	0	156
10:00	53	59	23	1	0	0	0	0	0	0	0	0	0	0	0	136
11:00	55	71	16	1	0	0	0	0	0	0	0	0	0	0	0	143
12 PM	93	35	11	1	0	0	0	0	0	0	0	0	0	0	0	140
13:00	45	74	17	4	0	0	0	0	0	0	0	0	0	0	0	140
14:00	62	84	30	1	0	0	0	0	0	0	0	0	0	0	0	177
15:00	90	123	34	2	1	0	0	1	0	0	0	0	0	0	0	251
16:00	83	105	36	4	1	0	0	0	0	0	0	0	0	0	0	229
17:00	79	112	26	6	0	0	0	0	0	0	0	0	0	0	0	223
18:00	58	71	13	2	0	0	0	0	0	0	0	0	0	0	0	144
19:00	36	38	9	1	0	0	0	0	0	0	0	0	0	0	0	84
20:00	27	39	7	1	0	0	0	0	0	0	0	0	0	0	0	74
21:00	13	22	4	1	0	0	0	0	0	0	0	0	0	0	0	40
22:00	8	4	5	0	0	0	0	0	0	0	0	0	0	0	0	17
23:00	0	6	0	0	1	0	0	0	0	0	0	0	0	0	0	7
Total	986	1301	362	42	7	0	0	1	0	0	0	0	0	0	0	2699

Daily

15th Percentile :	14 MPH
50th Percentile :	36 MPH
85th Percentile :	40 MPH
95th Percentile :	43 MPH

Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1663
Percent in Pace :	61.6%
Number of Vehicles > 30 MPH :	1854
Percent of Vehicles > 30 MPH :	68.7%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	1	2	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	3	4	1	0	0	0	0	0	0	0	0	0	0	0	8
05:00	14	15	12	2	0	0	0	0	0	0	0	0	0	0	43
06:00	23	54	16	2	0	0	0	0	0	0	0	0	0	0	95
07:00	88	181	68	10	1	0	0	0	0	0	0	0	0	0	348
08:00	66	125	40	4	0	0	0	0	0	0	0	0	0	1	236
09:00	40	89	30	2	1	0	0	0	0	0	0	0	0	0	162
10:00	43	72	29	2	0	0	0	0	0	0	0	0	0	0	146
11:00	43	60	28	1	0	0	0	0	0	0	0	0	0	0	132
12 PM	41	67	34	3	0	0	0	0	0	0	0	0	0	0	145
13:00	44	54	31	6	0	1	0	0	0	0	0	0	0	0	136
14:00	48	66	31	4	0	0	0	1	0	0	0	0	0	0	150
15:00	89	111	43	5	1	0	0	0	0	0	0	0	0	0	249
16:00	59	106	35	4	1	0	0	0	0	0	0	0	0	0	205
17:00	37	103	48	1	0	0	0	0	0	0	0	0	0	0	189
18:00	36	87	25	3	0	0	0	0	0	0	0	0	0	0	151
19:00	26	44	16	2	0	0	0	0	0	0	0	0	0	0	88
20:00	16	37	20	0	0	0	0	0	0	0	0	0	0	0	73
21:00	2	20	5	2	0	0	0	0	0	0	0	0	0	0	29
22:00	3	8	0	0	0	0	0	0	0	0	0	0	0	0	11
23:00	4	4	2	0	0	0	0	0	0	0	0	0	0	0	10
Total	727	1310	515	53	4	1	0	1	0	0	0	0	0	1	2612

Daily
 15th Percentile : 18 MPH
 50th Percentile : 37 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 34 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1825
 Percent in Pace : 69.9%
 Number of Vehicles > 30 MPH : 1989
 Percent of Vehicles > 30 MPH : 76.1%

Grand Total	1713	2611	877	95	11	1	0	2	0	0	0	0	0	1	5311
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Overall
 15th Percentile : 16 MPH
 50th Percentile : 36 MPH
 85th Percentile : 41 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 33 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3488
 Percent in Pace : 65.7%
 Number of Vehicles > 30 MPH : 3843
 Percent of Vehicles > 30 MPH : 72.4%

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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	2	0	2	0	0	0	0	0	0	0	0	0	0	0	4
01:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	3	6	5	1	0	0	0	0	0	0	0	0	0	0	15
06:00	7	21	5	6	0	0	0	0	0	0	0	0	0	0	39
07:00	60	60	30	1	0	0	0	0	0	0	0	0	0	0	151
08:00	55	51	30	2	0	0	0	0	0	0	0	0	0	0	138
09:00	46	57	20	1	0	0	0	0	0	0	0	0	0	0	124
10:00	33	53	24	6	2	0	0	0	0	0	0	0	0	0	118
11:00	38	51	26	2	0	0	0	0	0	0	0	0	0	0	117
12 PM	65	36	20	3	0	0	0	0	0	0	0	0	0	0	124
13:00	62	66	22	2	0	0	0	0	0	0	0	0	0	0	152
14:00	86	131	50	12	1	0	0	0	0	0	0	0	0	0	280
15:00	114	131	51	6	0	0	0	0	0	0	0	0	0	0	302
16:00	107	140	43	9	0	0	0	0	0	0	0	0	0	0	299
17:00	143	160	46	3	0	0	0	0	0	0	0	0	0	0	352
18:00	85	98	18	2	0	0	0	0	0	0	0	0	0	0	203
19:00	52	41	9	1	0	0	0	0	0	0	0	0	0	0	103
20:00	34	51	15	4	0	0	0	0	0	0	0	0	0	0	104
21:00	14	26	7	2	0	0	0	0	0	0	0	0	0	0	49
22:00	1	4	6	1	1	0	0	0	0	0	0	0	0	0	13
23:00	2	2	4	0	1	0	0	0	0	0	0	0	0	0	9
Total	1010	1186	433	64	5	0	0	0	0	0	0	0	0	0	2698

Daily

15th Percentile :	14 MPH
50th Percentile :	36 MPH
85th Percentile :	41 MPH
95th Percentile :	44 MPH

Mean Speed(Average) :	32 MPH
10 MPH Pace Speed :	36-45 MPH
Number in Pace :	1619
Percent in Pace :	60.0%
Number of Vehicles > 30 MPH :	1832
Percent of Vehicles > 30 MPH :	67.9%

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	2	4	5	1	0	0	0	0	0	0	0	0	0	0	12
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	4	4	0	0	0	0	0	0	0	0	0	0	0	8
06:00	7	17	14	2	1	0	0	0	0	0	0	0	0	0	41
07:00	34	70	24	2	0	0	0	0	0	0	0	0	0	0	130
08:00	65	77	35	2	0	0	0	0	0	0	0	0	0	0	179
09:00	32	41	27	3	0	0	0	0	0	0	0	0	0	0	103
10:00	31	51	24	2	0	0	0	0	0	0	0	0	0	0	108
11:00	43	51	13	4	0	0	0	0	0	0	0	0	0	0	111
12 PM	48	72	17	3	1	0	0	0	0	0	0	0	0	0	141
13:00	68	49	15	0	0	0	0	0	0	0	0	0	0	0	132
14:00	124	103	21	0	1	0	0	0	0	0	0	0	0	0	249
15:00	133	134	24	4	1	0	0	0	0	0	0	0	0	0	296
16:00	101	150	24	0	0	0	0	0	0	0	0	0	0	0	275
17:00	80	156	27	3	1	0	0	0	0	0	0	0	0	0	267
18:00	93	83	18	1	1	0	0	0	0	0	0	0	0	0	196
19:00	53	62	13	2	0	0	0	0	0	0	0	0	0	1	131
20:00	28	26	14	0	1	0	0	0	0	0	0	0	0	0	69
21:00	17	17	5	0	2	0	0	0	0	0	0	0	0	0	41
22:00	9	8	5	0	0	0	0	0	0	0	0	0	0	0	22
23:00	4	5	4	0	0	0	0	0	0	0	0	0	0	0	13
Total	974	1180	336	30	9	0	0	0	0	0	0	0	0	1	2530

Daily
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 39 MPH
 95th Percentile : 43 MPH

Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 1516
 Percent in Pace : 59.9%
 Number of Vehicles > 30 MPH : 1695
 Percent of Vehicles > 30 MPH : 67.0%

Grand Total	1984	2366	769	94	14	0	0	0	0	0	0	0	0	1	5228
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Overall
 15th Percentile : 13 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH
 Mean Speed(Average) : 31 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3135
 Percent in Pace : 60.0%
 Number of Vehicles > 30 MPH : 3527
 Percent of Vehicles > 30 MPH : 67.5%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/09/19	2	1	3	0	0	0	0	0	0	0	0	0	0	0	6
01:00	2	1	1	0	1	0	0	0	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	2	0	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	3	2	1	0	0	0	0	0	0	0	0	0	0	6
05:00	12	28	13	1	0	0	0	0	0	0	0	0	0	0	54
06:00	42	73	23	7	0	0	0	0	0	0	0	0	0	0	145
07:00	176	235	78	7	1	0	0	0	0	0	0	0	0	0	497
08:00	134	161	67	8	2	0	0	0	0	0	0	0	0	0	372
09:00	90	150	36	4	0	0	0	0	0	0	0	0	0	0	280
10:00	86	112	47	7	2	0	0	0	0	0	0	0	0	0	254
11:00	93	122	42	3	0	0	0	0	0	0	0	0	0	0	260
12 PM	158	71	31	4	0	0	0	0	0	0	0	0	0	0	264
13:00	107	140	39	6	0	0	0	0	0	0	0	0	0	0	292
14:00	148	215	80	13	1	0	0	0	0	0	0	0	0	0	457
15:00	204	254	85	8	1	0	0	1	0	0	0	0	0	0	553
16:00	190	245	79	13	1	0	0	0	0	0	0	0	0	0	528
17:00	222	272	72	9	0	0	0	0	0	0	0	0	0	0	575
18:00	143	169	31	4	0	0	0	0	0	0	0	0	0	0	347
19:00	88	79	18	2	0	0	0	0	0	0	0	0	0	0	187
20:00	61	90	22	5	0	0	0	0	0	0	0	0	0	0	178
21:00	27	48	11	3	0	0	0	0	0	0	0	0	0	0	89
22:00	9	8	11	1	1	0	0	0	0	0	0	0	0	0	30
23:00	2	8	4	0	2	0	0	0	0	0	0	0	0	0	16
Total	1996	2487	795	106	12	0	0	1	0	0	0	0	0	0	5397

Daily

15th Percentile : 14 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3282
 Percent in Pace : 60.8%
 Number of Vehicles > 30 MPH : 3686
 Percent of Vehicles > 30 MPH : 68.3%

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/10/19	3	6	5	1	0	0	0	0	0	0	0	0	0	0	15
01:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3
04:00	5	4	2	0	0	0	0	0	0	0	0	0	0	0	11
05:00	14	19	16	2	0	0	0	0	0	0	0	0	0	0	51
06:00	30	71	30	4	1	0	0	0	0	0	0	0	0	0	136
07:00	122	251	92	12	1	0	0	0	0	0	0	0	0	0	478
08:00	131	202	75	6	0	0	0	0	0	0	0	0	0	1	415
09:00	72	130	57	5	1	0	0	0	0	0	0	0	0	0	265
10:00	74	123	53	4	0	0	0	0	0	0	0	0	0	0	254
11:00	86	111	41	5	0	0	0	0	0	0	0	0	0	0	243
12 PM	89	139	51	6	1	0	0	0	0	0	0	0	0	0	286
13:00	112	103	46	6	0	1	0	0	0	0	0	0	0	0	268
14:00	172	169	52	4	1	0	0	1	0	0	0	0	0	0	399
15:00	222	245	67	9	2	0	0	0	0	0	0	0	0	0	545
16:00	160	256	59	4	1	0	0	0	0	0	0	0	0	0	480
17:00	117	259	75	4	1	0	0	0	0	0	0	0	0	0	456
18:00	129	170	43	4	1	0	0	0	0	0	0	0	0	0	347
19:00	79	106	29	4	0	0	0	0	0	0	0	0	0	1	219
20:00	44	63	34	0	1	0	0	0	0	0	0	0	0	0	142
21:00	19	37	10	2	2	0	0	0	0	0	0	0	0	0	70
22:00	12	16	5	0	0	0	0	0	0	0	0	0	0	0	33
23:00	8	9	6	0	0	0	0	0	0	0	0	0	0	0	23
Total	1701	2490	851	83	13	1	0	1	0	0	0	0	0	2	5142

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

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 3341
 Percent in Pace : 65.0%
 Number of Vehicles > 30 MPH : 3684
 Percent of Vehicles > 30 MPH : 71.6%

Grand Total	3697	4977	1646	189	25	1	0	2	0	0	0	0	0	2	10539
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Overall
 15th Percentile : 14 MPH
 50th Percentile : 36 MPH
 85th Percentile : 40 MPH
 95th Percentile : 44 MPH

 Mean Speed(Average) : 32 MPH
 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 6623
 Percent in Pace : 62.8%
 Number of Vehicles > 30 MPH : 7370
 Percent of Vehicles > 30 MPH : 69.9%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	1	0	0	1	0	0	0	0	0	0	0	0	2	1
01:00	0	2	1	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	0	1	0	1	0	0	0	0	0	0	0	0	2	1
04:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
05:00	0	27	12	0	0	0	0	0	0	0	0	0	0	39	0
06:00	0	76	26	0	3	0	0	0	1	0	0	0	0	106	4
07:00	1	239	81	4	17	2	0	2	0	0	0	0	0	346	25
08:00	0	148	64	9	11	2	0	0	0	0	0	0	0	234	22
09:00	0	110	34	2	9	1	0	0	0	0	0	0	0	156	12
10:00	0	92	30	3	7	1	0	2	1	0	0	0	0	136	14
11:00	0	96	37	1	8	1	0	0	0	0	0	0	0	143	10
12 PM	0	96	33	1	8	1	0	1	0	0	0	0	0	140	11
13:00	0	102	28	2	6	0	0	1	1	0	0	0	0	140	10
14:00	0	124	40	3	9	0	0	0	1	0	0	0	0	177	13
15:00	3	172	56	12	6	1	0	0	0	0	0	0	0	250	19
16:00	2	155	61	0	11	0	0	0	0	0	0	0	0	229	11
17:00	4	147	65	1	6	0	0	0	0	0	0	0	0	223	7
18:00	1	103	36	0	4	0	0	0	0	0	0	0	0	144	4
19:00	0	54	25	0	4	1	0	0	0	0	0	0	0	84	5
20:00	0	53	20	0	1	0	0	0	0	0	0	0	0	74	1
21:00	0	34	5	0	1	0	0	0	0	0	0	0	0	40	1
22:00	0	13	3	0	1	0	0	0	0	0	0	0	0	17	1
23:00	0	3	1	0	3	0	0	0	0	0	0	0	0	7	3
Total	11	1851	661	38	117	10	0	6	4	0	0	0	0	2698	175
Percent	0.4%	68.6%	24.5%	1.4%	4.3%	0.4%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		6.5%
AM Peak	07:00	07:00	07:00	08:00	07:00	07:00		07:00	06:00					07:00	07:00
Vol.	1	239	81	9	17	2		2	1					346	25
PM Peak	17:00	15:00	17:00	15:00	16:00	12:00		12:00	13:00					15:00	15:00
Vol.	4	172	65	12	11	1		1	1					250	19

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	3	0	0	0	0	0	0	0	0	0	0	0	3	0
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	6	1	0	0	0	0	1	0	0	0	0	0	8	1
05:00	0	31	11	0	0	1	0	0	0	0	0	0	0	43	1
06:00	0	66	26	0	3	0	0	0	0	0	0	0	0	95	3
07:00	1	260	75	3	9	0	0	0	0	0	0	0	0	348	12
08:00	2	152	64	9	8	1	0	0	0	0	0	0	0	236	18
09:00	1	115	35	0	11	0	0	0	0	0	0	0	0	162	11
10:00	1	101	39	0	5	0	0	0	0	0	0	0	0	146	5
11:00	0	81	44	1	6	0	0	0	0	0	0	0	0	132	7
12 PM	2	100	36	2	3	1	0	0	1	0	0	0	0	145	7
13:00	1	94	34	1	4	0	0	1	1	0	0	0	0	136	7
14:00	3	95	40	0	11	0	0	0	0	0	0	0	0	149	11
15:00	3	162	70	11	2	1	0	0	0	0	0	0	0	249	14
16:00	1	150	42	0	10	1	0	1	0	0	0	0	0	205	12
17:00	1	129	55	0	4	0	0	0	0	0	0	0	0	189	4
18:00	1	103	41	0	5	0	0	0	0	0	0	0	0	150	5
19:00	0	67	19	0	2	0	0	0	0	0	0	0	0	88	2
20:00	0	54	17	0	2	0	0	0	0	0	0	0	0	73	2
21:00	0	22	6	0	1	0	0	0	0	0	0	0	0	29	1
22:00	0	10	1	0	0	0	0	0	0	0	0	0	0	11	0
23:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
Total	17	1809	661	27	86	5	0	3	2	0	0	0	0	2610	123
Percent	0.7%	69.3%	25.3%	1.0%	3.3%	0.2%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%		4.7%
AM Peak	08:00	07:00	07:00	08:00	09:00	05:00		04:00						07:00	08:00
Vol.	2	260	75	9	11	1		1						348	18
PM Peak	14:00	15:00	15:00	15:00	14:00	12:00		13:00	12:00					15:00	15:00
Vol.	3	162	70	11	11	1		1	1					249	14
Grand Total	28	3660	1322	65	203	15	0	9	6	0	0	0	0	5308	298
Percent	0.5%	69.0%	24.9%	1.2%	3.8%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		5.6%

Old Colony Planning Council
70 School Street
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	2	1	0	1	0	0	0	0	0	0	0	0	4	1
01:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	12	2	0	1	0	0	0	0	0	0	0	0	15	1
06:00	0	27	6	2	3	0	0	1	0	0	0	0	0	39	6
07:00	1	81	45	7	14	0	0	0	1	0	0	0	0	149	22
08:00	0	73	41	13	9	0	1	1	0	0	0	0	0	138	24
09:00	0	74	27	1	19	0	1	1	1	0	0	0	0	124	23
10:00	1	70	27	1	16	2	0	1	0	0	0	0	0	118	20
11:00	0	74	30	1	11	0	1	0	0	0	0	0	0	117	13
12 PM	1	83	33	0	6	1	0	0	0	0	0	0	0	124	7
13:00	1	98	34	2	15	0	0	1	1	0	0	0	0	152	19
14:00	1	166	75	8	23	1	0	3	2	0	0	0	0	279	37
15:00	1	190	78	10	23	0	0	0	0	0	0	0	0	302	33
16:00	1	198	74	0	23	1	0	1	0	0	0	0	0	298	25
17:00	1	241	74	0	36	0	0	0	0	0	0	0	0	352	36
18:00	1	130	54	1	17	0	0	0	0	0	0	0	0	203	18
19:00	1	65	26	0	11	0	0	0	0	0	0	0	0	103	11
20:00	0	74	23	0	7	0	0	0	0	0	0	0	0	104	7
21:00	0	38	6	0	5	0	0	0	0	0	0	0	0	49	5
22:00	0	10	1	0	2	0	0	0	0	0	0	0	0	13	2
23:00	0	5	1	0	3	0	0	0	0	0	0	0	0	9	3
Total	10	1711	658	46	247	5	3	9	5	0	0	0	0	2694	315
Percent	0.4%	63.5%	24.4%	1.7%	9.2%	0.2%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		11.7%
AM Peak	07:00	07:00	07:00	08:00	09:00	10:00	08:00	06:00	07:00					07:00	08:00
Vol.	1	81	45	13	19	2	1	1	1					149	24
PM Peak	12:00	17:00	15:00	15:00	17:00	12:00		14:00	14:00					17:00	14:00
Vol.	1	241	78	10	36	1		3	2					352	37

Old Colony Planning Council
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Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	8	3	0	1	0	0	0	0	0	0	0	0	12	1
01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
05:00	0	8	0	0	0	0	0	0	0	0	0	0	0	8	0
06:00	0	26	11	1	3	0	0	0	0	0	0	0	0	41	4
07:00	1	73	40	6	7	3	0	0	0	0	0	0	0	130	16
08:00	0	89	62	12	15	1	0	0	0	0	0	0	0	179	28
09:00	0	65	25	0	11	1	0	1	0	0	0	0	0	103	13
10:00	1	71	27	2	7	0	0	0	0	0	0	0	0	108	9
11:00	0	86	20	0	5	0	0	0	0	0	0	0	0	111	5
12 PM	1	100	38	0	1	1	0	0	0	0	0	0	0	141	2
13:00	1	103	21	2	4	1	0	0	0	0	0	0	0	132	7
14:00	1	186	52	5	4	0	0	0	0	0	0	0	0	248	9
15:00	2	229	45	8	9	1	0	0	0	0	0	0	0	294	18
16:00	1	211	53	2	6	0	0	1	0	0	0	0	0	274	9
17:00	0	207	54	0	6	0	0	0	0	0	0	0	0	267	6
18:00	1	148	43	2	2	0	0	0	0	0	0	0	0	196	4
19:00	2	97	27	0	4	0	0	0	0	0	0	0	0	130	4
20:00	0	54	14	0	1	0	0	0	0	0	0	0	0	69	1
21:00	0	33	7	0	1	0	0	0	0	0	0	0	0	41	1
22:00	0	19	3	0	0	0	0	0	0	0	0	0	0	22	0
23:00	0	10	3	0	0	0	0	0	0	0	0	0	0	13	0
Total	11	1827	550	40	87	8	0	2	0	0	0	0	0	2525	137
Percent	0.4%	72.4%	21.8%	1.6%	3.4%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		5.4%
AM Peak	07:00	08:00	08:00	08:00	08:00	07:00		09:00						08:00	08:00
Vol.	1	89	62	12	15	3		1						179	28
PM Peak	15:00	15:00	17:00	15:00	15:00	12:00		16:00						15:00	15:00
Vol.	2	229	54	8	9	1		1						294	18
Grand Total	21	3538	1208	86	334	13	3	11	5	0	0	0	0	5219	452
Percent	0.4%	67.8%	23.1%	1.6%	6.4%	0.2%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		8.7%

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/09/19	0	3	1	0	2	0	0	0	0	0	0	0	0	6	2
01:00	0	2	1	0	2	0	0	0	0	0	0	0	0	5	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2	1
04:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
05:00	0	39	14	0	1	0	0	0	0	0	0	0	0	54	1
06:00	0	103	32	2	6	0	0	1	1	0	0	0	0	145	10
07:00	2	320	126	11	31	2	0	2	1	0	0	0	0	495	47
08:00	0	221	105	22	20	2	1	1	0	0	0	0	0	372	46
09:00	0	184	61	3	28	1	1	1	1	0	0	0	0	280	35
10:00	1	162	57	4	23	3	0	3	1	0	0	0	0	254	34
11:00	0	170	67	2	19	1	1	0	0	0	0	0	0	260	23
12 PM	1	179	66	1	14	2	0	1	0	0	0	0	0	264	18
13:00	1	200	62	4	21	0	0	2	2	0	0	0	0	292	29
14:00	1	290	115	11	32	1	0	3	3	0	0	0	0	456	50
15:00	4	362	134	22	29	1	0	0	0	0	0	0	0	552	52
16:00	3	353	135	0	34	1	0	1	0	0	0	0	0	527	36
17:00	5	388	139	1	42	0	0	0	0	0	0	0	0	575	43
18:00	2	233	90	1	21	0	0	0	0	0	0	0	0	347	22
19:00	1	119	51	0	15	1	0	0	0	0	0	0	0	187	16
20:00	0	127	43	0	8	0	0	0	0	0	0	0	0	178	8
21:00	0	72	11	0	6	0	0	0	0	0	0	0	0	89	6
22:00	0	23	4	0	3	0	0	0	0	0	0	0	0	30	3
23:00	0	8	2	0	6	0	0	0	0	0	0	0	0	16	6
Total	21	3562	1319	84	364	15	3	15	9	0	0	0	0	5392	490
Percent	0.4%	66.1%	24.5%	1.6%	6.8%	0.3%	0.1%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		9.1%
AM Peak	07:00	07:00	07:00	08:00	07:00	10:00	08:00	10:00	06:00					07:00	07:00
Vol.	2	320	126	22	31	3	1	3	1					495	47
PM Peak	17:00	17:00	17:00	15:00	17:00	12:00		14:00	14:00					17:00	15:00
Vol.	5	388	139	22	42	2		3	3					575	52

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

Community: Hanover
 Com#_UR/FC: 122_U5
 Recorder #: 25310
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 09-Oct-19
 Date End: 10-Oct-19
 Main St, north of Hanover St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/10/19	0	11	3	0	1	0	0	0	0	0	0	0	0	15	1
01:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	2	0	0	0	0	0	0	0	0	0	0	3	0
04:00	0	8	2	0	0	0	0	1	0	0	0	0	0	11	1
05:00	0	39	11	0	0	1	0	0	0	0	0	0	0	51	1
06:00	0	92	37	1	6	0	0	0	0	0	0	0	0	136	7
07:00	2	333	115	9	16	3	0	0	0	0	0	0	0	478	28
08:00	2	241	126	21	23	2	0	0	0	0	0	0	0	415	46
09:00	1	180	60	0	22	1	0	1	0	0	0	0	0	265	24
10:00	2	172	66	2	12	0	0	0	0	0	0	0	0	254	14
11:00	0	167	64	1	11	0	0	0	0	0	0	0	0	243	12
12 PM	3	200	74	2	4	2	0	0	1	0	0	0	0	286	9
13:00	2	197	55	3	8	1	0	1	1	0	0	0	0	268	14
14:00	4	281	92	5	15	0	0	0	0	0	0	0	0	397	20
15:00	5	391	115	19	11	2	0	0	0	0	0	0	0	543	32
16:00	2	361	95	2	16	1	0	2	0	0	0	0	0	479	21
17:00	1	336	109	0	10	0	0	0	0	0	0	0	0	456	10
18:00	2	251	84	2	7	0	0	0	0	0	0	0	0	346	9
19:00	2	164	46	0	6	0	0	0	0	0	0	0	0	218	6
20:00	0	108	31	0	3	0	0	0	0	0	0	0	0	142	3
21:00	0	55	13	0	2	0	0	0	0	0	0	0	0	70	2
22:00	0	29	4	0	0	0	0	0	0	0	0	0	0	33	0
23:00	0	18	5	0	0	0	0	0	0	0	0	0	0	23	0
Total	28	3636	1211	67	173	13	0	5	2	0	0	0	0	5135	260
Percent	0.5%	70.8%	23.6%	1.3%	3.4%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%		5.1%
AM Peak Vol.	07:00	07:00	08:00	08:00	08:00	07:00		04:00						07:00	08:00
PM Peak Vol.	15:00	15:00	15:00	15:00	16:00	12:00		16:00	12:00					15:00	15:00
Grand Total	49	7198	2530	151	537	28	3	20	11	0	0	0	0	10527	750
Percent	0.5%	68.4%	24.0%	1.4%	5.1%	0.3%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		7.1%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

Start Time	21-Oct-19		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB	NB	SB
12:00 AM	*	*	*	*	0	2	0	3	*	*	*	*	*	*	0	2
01:00	*	*	*	*	0	0	0	0	*	*	*	*	*	*	0	0
02:00	*	*	*	*	0	0	0	1	*	*	*	*	*	*	0	0
03:00	*	*	*	*	0	0	1	1	*	*	*	*	*	*	0	0
04:00	*	*	*	*	1	1	4	2	*	*	*	*	*	*	2	2
05:00	*	*	*	*	9	1	10	1	*	*	*	*	*	*	10	1
06:00	*	*	*	*	11	13	8	17	*	*	*	*	*	*	10	15
07:00	*	*	*	*	33	35	38	45	*	*	*	*	*	*	36	40
08:00	*	*	*	*	56	29	48	42	*	*	*	*	*	*	52	36
09:00	*	*	*	*	34	31	42	43	*	*	*	*	*	*	38	37
10:00	*	*	*	*	24	56	30	44	*	*	*	*	*	*	27	50
11:00	*	*	*	*	30	49	21	61	*	*	*	*	*	*	26	55
12:00 PM	*	*	*	*	25	67	33	56	*	*	*	*	*	*	29	62
01:00	*	*	*	*	21	58	28	51	*	*	*	*	*	*	24	54
02:00	*	*	*	*	24	54	26	64	*	*	*	*	*	*	25	59
03:00	*	*	*	*	39	87	39	91	*	*	*	*	*	*	39	89
04:00	*	*	*	*	37	93	43	87	*	*	*	*	*	*	40	90
05:00	*	*	*	*	38	93	39	108	*	*	*	*	*	*	38	100
06:00	*	*	*	*	36	70	41	87	*	*	*	*	*	*	38	78
07:00	*	*	*	*	25	50	27	63	*	*	*	*	*	*	26	56
08:00	*	*	*	*	17	36	27	47	*	*	*	*	*	*	22	42
09:00	*	*	*	*	12	19	14	28	*	*	*	*	*	*	13	24
10:00	*	*	*	*	1	21	3	12	*	*	*	*	*	*	2	16
11:00	*	*	*	*	0	10	1	10	*	*	*	*	*	*	0	10
Lane	0	0	0	0	473	875	523	964	0	0	0	0	0	0	497	918
Day	0		0		1348		1487		0		0		0		1415	
AM Peak	-	-	-	-	08:00	10:00	08:00	11:00	-	-	-	-	-	-	08:00	11:00
Vol.	-	-	-	-	56	56	48	61	-	-	-	-	-	-	52	55
PM Peak	-	-	-	-	15:00	16:00	16:00	17:00	-	-	-	-	-	-	16:00	17:00
Vol.	-	-	-	-	39	93	43	108	-	-	-	-	-	-	40	100

Comb. Total	0	0	1348	1487	0	0	0	1415
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Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
www.ocpcrpa.org

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

Start Time	23-Oct-19		NB		SB		Combined		24-Oct-		NB		SB		Combined	
	Wed		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	Thu	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00			0	9	0	16	0	25		0	2	1	20	1	22	
12:15			0	5	2	14	2	19		0	12	1	7	1	19	
12:30			0	7	0	19	0	26		0	11	1	15	1	26	
12:45			0	4	0	18	0	22		0	8	0	14	0	22	
01:00			0	4	0	16	0	20		0	7	0	9	0	16	
01:15			0	4	0	16	0	20		0	6	0	14	0	20	
01:30			0	6	0	15	0	21		0	8	0	12	0	20	
01:45			0	7	0	11	0	18		0	7	0	16	0	23	
02:00			0	5	0	10	0	15		0	6	1	12	1	18	
02:15			0	7	0	19	0	26		0	9	0	16	0	25	
02:30			0	6	0	13	0	19		0	7	0	15	0	22	
02:45			0	6	0	12	0	18		0	4	0	21	0	25	
03:00			0	10	0	19	0	29		1	5	0	25	1	30	
03:15			0	14	0	23	0	37		0	10	1	20	1	30	
03:30			0	6	0	23	0	29		0	11	0	21	0	32	
03:45			0	9	0	22	0	31		0	13	0	25	0	38	
04:00			0	13	0	27	0	40		0	7	0	23	0	30	
04:15			0	8	0	24	0	32		0	10	0	18	0	28	
04:30			0	8	1	24	1	32		1	14	1	24	2	38	
04:45			1	8	0	18	1	26		3	12	1	22	4	34	
05:00			3	14	0	16	3	30		2	13	0	31	2	44	
05:15			2	5	0	28	2	33		3	11	1	30	4	41	
05:30			2	10	0	24	2	34		4	7	0	23	4	30	
05:45			2	9	1	25	3	34		1	8	0	24	1	32	
06:00			1	6	4	21	5	27		1	13	6	25	7	38	
06:15			3	12	4	15	7	27		0	9	4	20	4	29	
06:30			2	11	2	17	4	28		2	5	4	26	6	31	
06:45			5	7	3	17	8	24		5	14	3	16	8	30	
07:00			12	2	9	13	21	15		10	8	7	16	17	24	
07:15			9	6	12	13	21	19		7	9	12	18	19	27	
07:30			6	11	4	14	10	25		10	5	12	13	22	18	
07:45			6	6	10	10	16	16		11	5	14	16	25	21	
08:00			14	4	7	13	21	17		12	10	11	12	23	22	
08:15			12	5	10	9	22	14		14	4	12	16	26	20	
08:30			15	7	4	6	19	13		11	6	10	9	21	15	
08:45			15	1	8	8	23	9		11	7	9	10	20	17	
09:00			14	5	10	9	24	14		10	8	14	12	24	20	
09:15			8	4	9	3	17	7		7	4	9	8	16	12	
09:30			4	2	5	4	9	6		13	2	10	6	23	8	
09:45			8	1	7	3	15	4		12	0	10	2	22	2	
10:00			9	0	18	8	27	8		9	1	11	6	20	7	
10:15			4	1	8	5	12	6		4	1	12	2	16	3	
10:30			3	0	17	3	20	3		7	0	10	3	17	3	
10:45			8	0	13	5	21	5		10	1	11	1	21	2	
11:00			9	0	12	5	21	5		5	1	17	2	22	3	
11:15			4	0	14	0	18	0		4	0	10	4	14	4	
11:30			9	0	10	3	19	3		6	0	16	1	22	1	
11:45			8	0	13	2	21	2		6	0	18	3	24	3	
Total			198	275	217	658	415	933		202	321	260	704	462	1025	
Day Total			473		875		1348			523		964		1487		
% Total			14.7%	20.4%	16.1%	48.8%				13.6%	21.6%	17.5%	47.3%			
Peak	-		08:00	03:15	10:00	05:15	08:15	03:15	-	07:45	04:30	11:00	05:00	07:30	04:30	
Vol.	-		56	42	56	98	88	137	-	48	50	61	108	96	157	
P.H.F.			0.933	0.750	0.778	0.875	0.917	0.856		0.857	0.893	0.847	0.871	0.923	0.892	

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

Start Time	21-Oct-19 Mon	22-Oct-19 Tue	23-Oct-19 Wed	24-Oct-19 Thu	25-Oct-19 Fri	26-Oct-19 Sat	27-Oct-19 Sun	Week Average
12:00 AM	*	*	2	3	*	*	*	2
01:00	*	*	0	0	*	*	*	0
02:00	*	*	0	1	*	*	*	0
03:00	*	*	0	2	*	*	*	1
04:00	*	*	2	6	*	*	*	4
05:00	*	*	10	11	*	*	*	10
06:00	*	*	24	25	*	*	*	24
07:00	*	*	68	83	*	*	*	76
08:00	*	*	85	90	*	*	*	88
09:00	*	*	65	85	*	*	*	75
10:00	*	*	80	74	*	*	*	77
11:00	*	*	79	82	*	*	*	80
12:00 PM	*	*	92	89	*	*	*	90
01:00	*	*	79	79	*	*	*	79
02:00	*	*	78	90	*	*	*	84
03:00	*	*	126	130	*	*	*	128
04:00	*	*	130	130	*	*	*	130
05:00	*	*	131	147	*	*	*	139
06:00	*	*	106	128	*	*	*	117
07:00	*	*	75	90	*	*	*	82
08:00	*	*	53	74	*	*	*	64
09:00	*	*	31	42	*	*	*	36
10:00	*	*	22	15	*	*	*	18
11:00	*	*	10	11	*	*	*	10
Total	0	0	1348	1487	0	0	0	
Percentage	0.0%	0.0%	95.3%	105.2%	0.0%	0.0%	0.0%	
AM Peak	-	-	08:00	08:00	-	-	-	-
Vol.	-	-	85	90	-	-	-	-
PM Peak	-	-	17:00	17:00	-	-	-	-
Vol.	-	-	131	147	-	-	-	-

Old Colony Planning Council
70 School Street
Brockton, MA 02301
(508) 583-1833
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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/23/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	8	1	0	0	0	0	0	0	0	0	0	0	0	0	9
06:00	9	2	0	0	0	0	0	0	0	0	0	0	0	0	11
07:00	31	2	0	0	0	0	0	0	0	0	0	0	0	0	33
08:00	46	10	0	0	0	0	0	0	0	0	0	0	0	0	56
09:00	31	3	0	0	0	0	0	0	0	0	0	0	0	0	34
10:00	23	1	0	0	0	0	0	0	0	0	0	0	0	0	24
11:00	29	1	0	0	0	0	0	0	0	0	0	0	0	0	30
12 PM	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
13:00	20	1	0	0	0	0	0	0	0	0	0	0	0	0	21
14:00	22	2	0	0	0	0	0	0	0	0	0	0	0	0	24
15:00	32	7	0	0	0	0	0	0	0	0	0	0	0	0	39
16:00	34	3	0	0	0	0	0	0	0	0	0	0	0	0	37
17:00	35	3	0	0	0	0	0	0	0	0	0	0	0	0	38
18:00	34	2	0	0	0	0	0	0	0	0	0	0	0	0	36
19:00	23	2	0	0	0	0	0	0	0	0	0	0	0	0	25
20:00	16	1	0	0	0	0	0	0	0	0	0	0	0	0	17
21:00	10	2	0	0	0	0	0	0	0	0	0	0	0	0	12
22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	430	43	0	0	0	0	0	0	0	0	0	0	0	0	473

Daily

15th Percentile :	5 MPH
50th Percentile :	19 MPH
85th Percentile :	32 MPH
95th Percentile :	37 MPH
Mean Speed(Average) :	20 MPH
10 MPH Pace Speed :	1-10 MPH
Number in Pace :	123
Percent in Pace :	26.0%
Number of Vehicles > 30 MPH :	104
Percent of Vehicles > 30 MPH :	22.1%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Start Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/24/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
05:00	8	2	0	0	0	0	0	0	0	0	0	0	0	0	10
06:00	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
07:00	31	5	2	0	0	0	0	0	0	0	0	0	0	0	38
08:00	42	5	1	0	0	0	0	0	0	0	0	0	0	0	48
09:00	37	5	0	0	0	0	0	0	0	0	0	0	0	0	42
10:00	23	7	0	0	0	0	0	0	0	0	0	0	0	0	30
11:00	18	2	1	0	0	0	0	0	0	0	0	0	0	0	21
12 PM	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33
13:00	26	2	0	0	0	0	0	0	0	0	0	0	0	0	28
14:00	24	2	0	0	0	0	0	0	0	0	0	0	0	0	26
15:00	38	1	0	0	0	0	0	0	0	0	0	0	0	0	39
16:00	35	7	1	0	0	0	0	0	0	0	0	0	0	0	43
17:00	36	1	1	1	0	0	0	0	0	0	0	0	0	0	39
18:00	39	2	0	0	0	0	0	0	0	0	0	0	0	0	41
19:00	25	2	0	0	0	0	0	0	0	0	0	0	0	0	27
20:00	24	3	0	0	0	0	0	0	0	0	0	0	0	0	27
21:00	12	2	0	0	0	0	0	0	0	0	0	0	0	0	14
22:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3
23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	466	50	6	1	0	0	0	0	0	0	0	0	0	0	523

Daily
 15th Percentile : 5 MPH
 50th Percentile : 19 MPH
 85th Percentile : 33 MPH
 95th Percentile : 38 MPH

 Mean Speed(Average) : 20 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 133
 Percent in Pace : 25.4%
 Number of Vehicles > 30 MPH : 124
 Percent of Vehicles > 30 MPH : 23.6%

Grand Total	896	93	6	1	0	0	0	0	0	0	0	0	0	0	996
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Overall
 15th Percentile : 5 MPH
 50th Percentile : 19 MPH
 85th Percentile : 33 MPH
 95th Percentile : 37 MPH

 Mean Speed(Average) : 20 MPH
 10 MPH Pace Speed : 26-35 MPH
 Number in Pace : 256
 Percent in Pace : 25.7%
 Number of Vehicles > 30 MPH : 228
 Percent of Vehicles > 30 MPH : 22.9%

Old Colony Planning Council
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www.ocpcrpa.org

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/23/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	9	4	0	0	0	0	0	0	0	0	0	0	0	0	13
07:00	29	6	0	0	0	0	0	0	0	0	0	0	0	0	35
08:00	26	3	0	0	0	0	0	0	0	0	0	0	0	0	29
09:00	21	10	0	0	0	0	0	0	0	0	0	0	0	0	31
10:00	39	12	5	0	0	0	0	0	0	0	0	0	0	0	56
11:00	39	8	2	0	0	0	0	0	0	0	0	0	0	0	49
12 PM	38	24	5	0	0	0	0	0	0	0	0	0	0	0	67
13:00	37	19	2	0	0	0	0	0	0	0	0	0	0	0	58
14:00	39	14	1	0	0	0	0	0	0	0	0	0	0	0	54
15:00	61	16	10	0	0	0	0	0	0	0	0	0	0	0	87
16:00	70	20	3	0	0	0	0	0	0	0	0	0	0	0	93
17:00	63	25	5	0	0	0	0	0	0	0	0	0	0	0	93
18:00	50	15	5	0	0	0	0	0	0	0	0	0	0	0	70
19:00	41	8	1	0	0	0	0	0	0	0	0	0	0	0	50
20:00	29	5	2	0	0	0	0	0	0	0	0	0	0	0	36
21:00	11	6	2	0	0	0	0	0	0	0	0	0	0	0	19
22:00	18	1	1	0	1	0	0	0	0	0	0	0	0	0	21
23:00	6	3	1	0	0	0	0	0	0	0	0	0	0	0	10
Total	629	200	45	0	1	0	0	0	0	0	0	0	0	0	875

Daily

15th Percentile :	7 MPH
50th Percentile :	24 MPH
85th Percentile :	37 MPH
95th Percentile :	40 MPH
Mean Speed(Average) :	24 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	290
Percent in Pace :	33.1%
Number of Vehicles > 30 MPH :	336
Percent of Vehicles > 30 MPH :	38.4%

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/24/19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
06:00	13	3	1	0	0	0	0	0	0	0	0	0	0	0	17
07:00	33	8	2	2	0	0	0	0	0	0	0	0	0	0	45
08:00	33	9	0	0	0	0	0	0	0	0	0	0	0	0	42
09:00	30	11	2	0	0	0	0	0	0	0	0	0	0	0	43
10:00	34	9	1	0	0	0	0	0	0	0	0	0	0	0	44
11:00	42	16	1	2	0	0	0	0	0	0	0	0	0	0	61
12 PM	34	16	6	0	0	0	0	0	0	0	0	0	0	0	56
13:00	32	15	4	0	0	0	0	0	0	0	0	0	0	0	51
14:00	39	19	4	0	2	0	0	0	0	0	0	0	0	0	64
15:00	63	25	3	0	0	0	0	0	0	0	0	0	0	0	91
16:00	52	26	9	0	0	0	0	0	0	0	0	0	0	0	87
17:00	77	26	5	0	0	0	0	0	0	0	0	0	0	0	108
18:00	75	10	2	0	0	0	0	0	0	0	0	0	0	0	87
19:00	43	18	2	0	0	0	0	0	0	0	0	0	0	0	63
20:00	34	11	2	0	0	0	0	0	0	0	0	0	0	0	47
21:00	21	7	0	0	0	0	0	0	0	0	0	0	0	0	28
22:00	7	5	0	0	0	0	0	0	0	0	0	0	0	0	12
23:00	5	5	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	672	240	46	4	2	0	0	0	0	0	0	0	0	0	964

Daily
 15th Percentile : 7 MPH
 50th Percentile : 25 MPH
 85th Percentile : 38 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 336
 Percent in Pace : 34.9%
 Number of Vehicles > 30 MPH : 388
 Percent of Vehicles > 30 MPH : 40.2%

Grand Total	1301	440	91	4	3	0	0	0	0	0	0	0	0	0	1839
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Overall
 15th Percentile : 7 MPH
 50th Percentile : 24 MPH
 85th Percentile : 37 MPH
 95th Percentile : 40 MPH

Mean Speed(Average) : 24 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 626
 Percent in Pace : 34.0%
 Number of Vehicles > 30 MPH : 724
 Percent of Vehicles > 30 MPH : 39.4%

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Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/23/19	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	8	2	0	0	0	0	0	0	0	0	0	0	0	0	10
06:00	18	6	0	0	0	0	0	0	0	0	0	0	0	0	24
07:00	60	8	0	0	0	0	0	0	0	0	0	0	0	0	68
08:00	72	13	0	0	0	0	0	0	0	0	0	0	0	0	85
09:00	52	13	0	0	0	0	0	0	0	0	0	0	0	0	65
10:00	62	13	5	0	0	0	0	0	0	0	0	0	0	0	80
11:00	68	9	2	0	0	0	0	0	0	0	0	0	0	0	79
12 PM	63	24	5	0	0	0	0	0	0	0	0	0	0	0	92
13:00	57	20	2	0	0	0	0	0	0	0	0	0	0	0	79
14:00	61	16	1	0	0	0	0	0	0	0	0	0	0	0	78
15:00	93	23	10	0	0	0	0	0	0	0	0	0	0	0	126
16:00	104	23	3	0	0	0	0	0	0	0	0	0	0	0	130
17:00	98	28	5	0	0	0	0	0	0	0	0	0	0	0	131
18:00	84	17	5	0	0	0	0	0	0	0	0	0	0	0	106
19:00	64	10	1	0	0	0	0	0	0	0	0	0	0	0	75
20:00	45	6	2	0	0	0	0	0	0	0	0	0	0	0	53
21:00	21	8	2	0	0	0	0	0	0	0	0	0	0	0	31
22:00	19	1	1	0	1	0	0	0	0	0	0	0	0	0	22
23:00	6	3	1	0	0	0	0	0	0	0	0	0	0	0	10
Total	1059	243	45	0	1	0	0	0	0	0	0	0	0	0	1348

Daily

15th Percentile :	6 MPH
50th Percentile :	22 MPH
85th Percentile :	36 MPH
95th Percentile :	39 MPH

Mean Speed(Average) :	22 MPH
10 MPH Pace Speed :	31-40 MPH
Number in Pace :	394
Percent in Pace :	29.2%
Number of Vehicles > 30 MPH :	440
Percent of Vehicles > 30 MPH :	32.7%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB, SB

Start Time	1	36	41	46	51	56	61	66	71	76	81	86	91	96	Total
Time	35	40	45	50	55	60	65	70	75	80	85	90	95	999	
10/24/19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
04:00	5	0	1	0	0	0	0	0	0	0	0	0	0	0	6
05:00	8	3	0	0	0	0	0	0	0	0	0	0	0	0	11
06:00	21	3	1	0	0	0	0	0	0	0	0	0	0	0	25
07:00	64	13	4	2	0	0	0	0	0	0	0	0	0	0	83
08:00	75	14	1	0	0	0	0	0	0	0	0	0	0	0	90
09:00	67	16	2	0	0	0	0	0	0	0	0	0	0	0	85
10:00	57	16	1	0	0	0	0	0	0	0	0	0	0	0	74
11:00	60	18	2	2	0	0	0	0	0	0	0	0	0	0	82
12 PM	67	16	6	0	0	0	0	0	0	0	0	0	0	0	89
13:00	58	17	4	0	0	0	0	0	0	0	0	0	0	0	79
14:00	63	21	4	0	2	0	0	0	0	0	0	0	0	0	90
15:00	101	26	3	0	0	0	0	0	0	0	0	0	0	0	130
16:00	87	33	10	0	0	0	0	0	0	0	0	0	0	0	130
17:00	113	27	6	1	0	0	0	0	0	0	0	0	0	0	147
18:00	114	12	2	0	0	0	0	0	0	0	0	0	0	0	128
19:00	68	20	2	0	0	0	0	0	0	0	0	0	0	0	90
20:00	58	14	2	0	0	0	0	0	0	0	0	0	0	0	74
21:00	33	9	0	0	0	0	0	0	0	0	0	0	0	0	42
22:00	9	6	0	0	0	0	0	0	0	0	0	0	0	0	15
23:00	6	5	0	0	0	0	0	0	0	0	0	0	0	0	11
Total	1138	290	52	5	2	0	0	0	0	0	0	0	0	0	1487

Daily
 15th Percentile : 6 MPH
 50th Percentile : 22 MPH
 85th Percentile : 37 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 453
 Percent in Pace : 30.5%
 Number of Vehicles > 30 MPH : 512
 Percent of Vehicles > 30 MPH : 34.4%

Grand Total	2197	533	97	5	3	0	0	0	0	0	0	0	0	0	2835
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Overall
 15th Percentile : 6 MPH
 50th Percentile : 22 MPH
 85th Percentile : 36 MPH
 95th Percentile : 39 MPH

 Mean Speed(Average) : 23 MPH
 10 MPH Pace Speed : 31-40 MPH
 Number in Pace : 847
 Percent in Pace : 29.9%
 Number of Vehicles > 30 MPH : 952
 Percent of Vehicles > 30 MPH : 33.6%

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Community: Hanover
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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/24/19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	3	1	0	0	0	0	0	0	0	0	0	0	4	0
05:00	0	4	6	0	0	0	0	0	0	0	0	0	0	10	0
06:00	0	5	3	0	0	0	0	0	0	0	0	0	0	8	0
07:00	0	29	7	0	1	0	0	1	0	0	0	0	0	38	2
08:00	0	40	7	0	1	0	0	0	0	0	0	0	0	48	1
09:00	0	31	7	0	2	0	0	2	0	0	0	0	0	42	4
10:00	0	24	3	0	3	0	0	0	0	0	0	0	0	30	3
11:00	0	17	3	0	1	0	0	0	0	0	0	0	0	21	1
12 PM	0	18	10	0	4	0	0	1	0	0	0	0	0	33	5
13:00	0	16	7	0	3	0	0	0	2	0	0	0	0	28	5
14:00	0	23	2	0	1	0	0	0	0	0	0	0	0	26	1
15:00	0	34	5	0	0	0	0	0	0	0	0	0	0	39	0
16:00	0	34	7	0	1	1	0	0	0	0	0	0	0	43	2
17:00	0	34	5	0	0	0	0	0	0	0	0	0	0	39	0
18:00	0	31	8	2	0	0	0	0	0	0	0	0	0	41	2
19:00	0	22	4	0	1	0	0	0	0	0	0	0	0	27	1
20:00	0	23	4	0	0	0	0	0	0	0	0	0	0	27	0
21:00	0	12	2	0	0	0	0	0	0	0	0	0	0	14	0
22:00	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Total	0	404	92	2	18	1	0	4	2	0	0	0	0	523	27
Percent	0.0%	77.2%	17.6%	0.4%	3.4%	0.2%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%		5.2%
AM Peak Vol.		40	7		3			2						48	4
PM Peak Vol.		34	10	2	4	1		1	2					43	5
Grand Total	3	789	161	3	32	2	0	4	2	0	0	0	0	996	43
Percent	0.3%	79.2%	16.2%	0.3%	3.2%	0.2%	0.0%	0.4%	0.2%	0.0%	0.0%	0.0%	0.0%		4.3%

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

Community: Hanover
 Com#_UR/FC: 122_U0
 Recorder #: 22929
 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/23/19	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
06:00	0	11	1	0	1	0	0	0	0	0	0	0	0	13	1
07:00	0	25	6	1	2	0	0	0	1	0	0	0	0	35	4
08:00	0	20	8	1	0	0	0	0	0	0	0	0	0	29	1
09:00	0	23	4	0	4	0	0	0	0	0	0	0	0	31	4
10:00	0	41	10	0	5	0	0	0	0	0	0	0	0	56	5
11:00	0	34	10	1	4	0	0	0	0	0	0	0	0	49	5
12 PM	0	47	15	0	4	0	0	1	0	0	0	0	0	67	5
13:00	0	35	14	1	8	0	0	0	0	0	0	0	0	58	9
14:00	0	39	14	0	0	0	0	1	0	0	0	0	0	54	1
15:00	0	58	21	1	7	0	0	0	0	0	0	0	0	87	8
16:00	0	66	23	0	4	0	0	0	0	0	0	0	0	93	4
17:00	0	69	21	0	2	0	0	1	0	0	0	0	0	93	3
18:00	0	53	14	0	2	0	0	0	1	0	0	0	0	70	3
19:00	0	34	16	0	0	0	0	0	0	0	0	0	0	50	0
20:00	0	27	7	0	2	0	0	0	0	0	0	0	0	36	2
21:00	0	14	5	0	0	0	0	0	0	0	0	0	0	19	0
22:00	0	17	3	0	1	0	0	0	0	0	0	0	0	21	1
23:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
Total	0	625	194	5	46	0	0	3	2	0	0	0	0	875	56
Percent	0.0%	71.4%	22.2%	0.6%	5.3%	0.0%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%		6.4%
AM Peak		10:00	10:00	07:00	10:00				07:00					10:00	10:00
Vol.		41	10	1	5				1					56	5
PM Peak		17:00	16:00	13:00	13:00			12:00	18:00					16:00	13:00
Vol.		69	23	1	8			1	1					93	9

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/24/19	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
04:00	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
06:00	0	12	4	0	1	0	0	0	0	0	0	0	0	17	1
07:00	0	30	12	1	2	0	0	0	0	0	0	0	0	45	3
08:00	0	30	6	2	2	0	0	2	0	0	0	0	0	42	6
09:00	0	31	10	0	2	0	0	0	0	0	0	0	0	43	2
10:00	0	31	10	0	2	0	0	1	0	0	0	0	0	44	3
11:00	1	46	8	1	5	0	0	0	0	0	0	0	0	61	6
12 PM	1	36	16	0	1	0	1	0	1	0	0	0	0	56	3
13:00	2	37	9	0	2	0	0	1	0	0	0	0	0	51	3
14:00	1	53	7	0	1	1	0	1	0	0	0	0	0	64	3
15:00	0	67	20	2	1	0	0	1	0	0	0	0	0	91	4
16:00	1	62	20	0	4	0	0	0	0	0	0	0	0	87	4
17:00	0	82	21	0	4	0	0	1	0	0	0	0	0	108	5
18:00	0	69	17	1	0	0	0	0	0	0	0	0	0	87	1
19:00	0	51	12	0	0	0	0	0	0	0	0	0	0	63	0
20:00	0	37	7	0	3	0	0	0	0	0	0	0	0	47	3
21:00	0	21	7	0	0	0	0	0	0	0	0	0	0	28	0
22:00	0	10	2	0	0	0	0	0	0	0	0	0	0	12	0
23:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
Total	6	719	192	7	30	1	1	7	1	0	0	0	0	964	47
Percent	0.6%	74.6%	19.9%	0.7%	3.1%	0.1%	0.1%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%		4.9%
AM Peak Vol.	1	46	12	2	5			2						61	6
PM Peak Vol.	2	82	21	2	4	1	1	1	1					108	5
Grand Total	6	1344	386	12	76	1	1	10	3	0	0	0	0	1839	103
Percent	0.3%	73.1%	21.0%	0.7%	4.1%	0.1%	0.1%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		5.6%

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 Layout: L6 Basic (2')

Station ID:
 Site Code: 122
 Date Start: 23-Oct-19
 Date End: 24-Oct-19
 Hanover St, north of Rockland St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/23/19	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
05:00	0	7	3	0	0	0	0	0	0	0	0	0	0	10	0
06:00	0	19	3	0	2	0	0	0	0	0	0	0	0	24	2
07:00	0	53	11	1	2	0	0	0	1	0	0	0	0	68	4
08:00	0	66	17	1	1	0	0	0	0	0	0	0	0	85	2
09:00	0	53	8	0	4	0	0	0	0	0	0	0	0	65	4
10:00	0	61	12	0	7	0	0	0	0	0	0	0	0	80	7
11:00	3	53	16	1	6	0	0	0	0	0	0	0	0	79	7
12 PM	0	64	23	0	4	0	0	1	0	0	0	0	0	92	5
13:00	0	54	15	2	8	0	0	0	0	0	0	0	0	79	10
14:00	0	57	18	0	2	0	0	1	0	0	0	0	0	78	3
15:00	0	88	26	1	11	0	0	0	0	0	0	0	0	126	12
16:00	0	95	30	0	5	0	0	0	0	0	0	0	0	130	5
17:00	0	104	23	0	2	1	0	1	0	0	0	0	0	131	4
18:00	0	86	16	0	3	0	0	0	1	0	0	0	0	106	4
19:00	0	53	22	0	0	0	0	0	0	0	0	0	0	75	0
20:00	0	42	9	0	2	0	0	0	0	0	0	0	0	53	2
21:00	0	25	6	0	0	0	0	0	0	0	0	0	0	31	0
22:00	0	18	3	0	1	0	0	0	0	0	0	0	0	22	1
23:00	0	8	2	0	0	0	0	0	0	0	0	0	0	10	0
Total	3	1010	263	6	60	1	0	3	2	0	0	0	0	1348	72
Percent	0.2%	74.9%	19.5%	0.4%	4.5%	0.1%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%		5.3%
AM Peak Vol.	11:00	08:00	08:00	07:00	10:00				07:00					08:00	10:00
PM Peak Vol.		17:00	16:00	13:00	15:00	17:00		12:00	18:00					17:00	15:00
		104	30	2	11	1		1	1					131	12

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 Hanover St, north of Rockland St (139)

NB, SB

Start Time	Motorc	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Total	Truck Total
10/24/19	0	2	1	0	0	0	0	0	0	0	0	0	0	3	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0
04:00	0	4	2	0	0	0	0	0	0	0	0	0	0	6	0
05:00	0	5	6	0	0	0	0	0	0	0	0	0	0	11	0
06:00	0	17	7	0	1	0	0	0	0	0	0	0	0	25	1
07:00	0	59	19	1	3	0	0	1	0	0	0	0	0	83	5
08:00	0	70	13	2	3	0	0	2	0	0	0	0	0	90	7
09:00	0	62	17	0	4	0	0	2	0	0	0	0	0	85	6
10:00	0	55	13	0	5	0	0	1	0	0	0	0	0	74	6
11:00	1	63	11	1	6	0	0	0	0	0	0	0	0	82	7
12 PM	1	54	26	0	5	0	1	1	1	0	0	0	0	89	8
13:00	2	53	16	0	5	0	0	1	2	0	0	0	0	79	8
14:00	1	76	9	0	2	1	0	1	0	0	0	0	0	90	4
15:00	0	101	25	2	1	0	0	1	0	0	0	0	0	130	4
16:00	1	96	27	0	5	1	0	0	0	0	0	0	0	130	6
17:00	0	116	26	0	4	0	0	1	0	0	0	0	0	147	5
18:00	0	100	25	3	0	0	0	0	0	0	0	0	0	128	3
19:00	0	73	16	0	1	0	0	0	0	0	0	0	0	90	1
20:00	0	60	11	0	3	0	0	0	0	0	0	0	0	74	3
21:00	0	33	9	0	0	0	0	0	0	0	0	0	0	42	0
22:00	0	12	3	0	0	0	0	0	0	0	0	0	0	15	0
23:00	0	9	2	0	0	0	0	0	0	0	0	0	0	11	0
Total	6	1123	284	9	48	2	1	11	3	0	0	0	0	1487	74
Percent	0.4%	75.5%	19.1%	0.6%	3.2%	0.1%	0.1%	0.7%	0.2%	0.0%	0.0%	0.0%	0.0%		5.0%
AM Peak Vol.	11:00	08:00	07:00	08:00	11:00			08:00						08:00	08:00
PM Peak Vol.	13:00	17:00	16:00	18:00	12:00	14:00	12:00	12:00	13:00					17:00	12:00
Grand Total	9	2133	547	15	108	3	1	14	5	0	0	0	0	2835	146
Percent	0.3%	75.2%	19.3%	0.5%	3.8%	0.1%	0.0%	0.5%	0.2%	0.0%	0.0%	0.0%	0.0%		5.1%

Appendix B
Peak Hour Intersection Turning Movement Counts



Old Colony Planning Council

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

Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (5) / BH
 Traffic Control: Traffic Light

File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_AM
 Site Code : 122
 Start Date : 10/29/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Pleasant Street Southbound					Hanover Street (Route 139) Westbound					Circuit Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	9	27	8	0	44	16	56	5	0	77	13	100	22	0	135	12	71	8	0	91	347
07:15 AM	18	33	22	0	73	25	83	10	0	118	19	129	27	0	175	11	65	16	0	92	458
07:30 AM	15	48	30	0	93	32	86	4	0	122	11	118	32	0	161	12	80	17	0	109	485
07:45 AM	17	52	28	0	97	29	101	12	0	142	19	150	23	0	192	12	60	15	0	87	518
Total	59	160	88	0	307	102	326	31	0	459	62	497	104	0	663	47	276	56	0	379	1808
08:00 AM	9	28	14	0	51	16	84	16	0	116	17	113	35	0	165	23	113	14	0	150	482
08:15 AM	7	37	17	0	61	13	69	15	0	97	18	105	23	0	146	14	101	9	0	124	428
08:30 AM	5	36	15	0	56	11	66	10	0	87	18	95	22	0	135	12	68	11	0	91	369
08:45 AM	9	29	24	0	62	13	63	8	0	84	18	79	21	0	118	14	82	9	0	105	369
Total	30	130	70	0	230	53	282	49	0	384	71	392	101	0	564	63	364	43	0	470	1648
Grand Total	89	290	158	0	537	155	608	80	0	843	133	889	205	0	1227	110	640	99	0	849	3456
Apprch %	16.6	54	29.4	0		18.4	72.1	9.5	0		10.8	72.5	16.7	0		13	75.4	11.7	0		
Total %	2.6	8.4	4.6	0	15.5	4.5	17.6	2.3	0	24.4	3.8	25.7	5.9	0	35.5	3.2	18.5	2.9	0	24.6	
Cars	86	274	154	0	514	144	577	70	0	791	121	860	188	0	1169	95	606	92	0	793	3267
% Cars	96.6	94.5	97.5	0	95.7	92.9	94.9	87.5	0	93.8	91	96.7	91.7	0	95.3	86.4	94.7	92.9	0	93.4	94.5
Buses	1	9	3	0	13	3	1	2	0	6	0	5	1	0	6	1	0	1	0	2	27
% Buses	1.1	3.1	1.9	0	2.4	1.9	0.2	2.5	0	0.7	0	0.6	0.5	0	0.5	0.9	0	1	0	0.2	0.8
Trucks	2	7	1	0	10	8	30	8	0	46	12	24	16	0	52	14	34	6	0	54	162
% Trucks	2.2	2.4	0.6	0	1.9	5.2	4.9	10	0	5.5	9	2.7	7.8	0	4.2	12.7	5.3	6.1	0	6.4	4.7

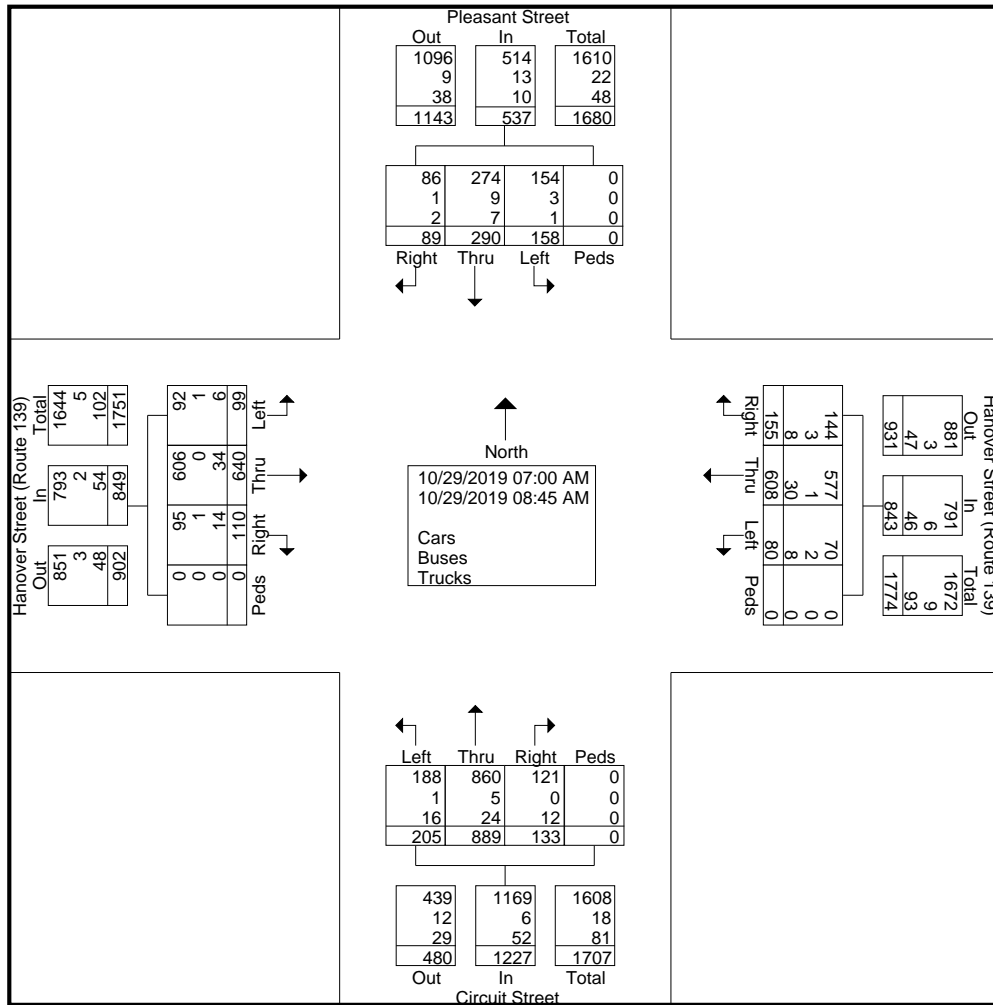


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File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_AM
 Site Code : 122
 Start Date : 10/29/2019
 Page No : 2



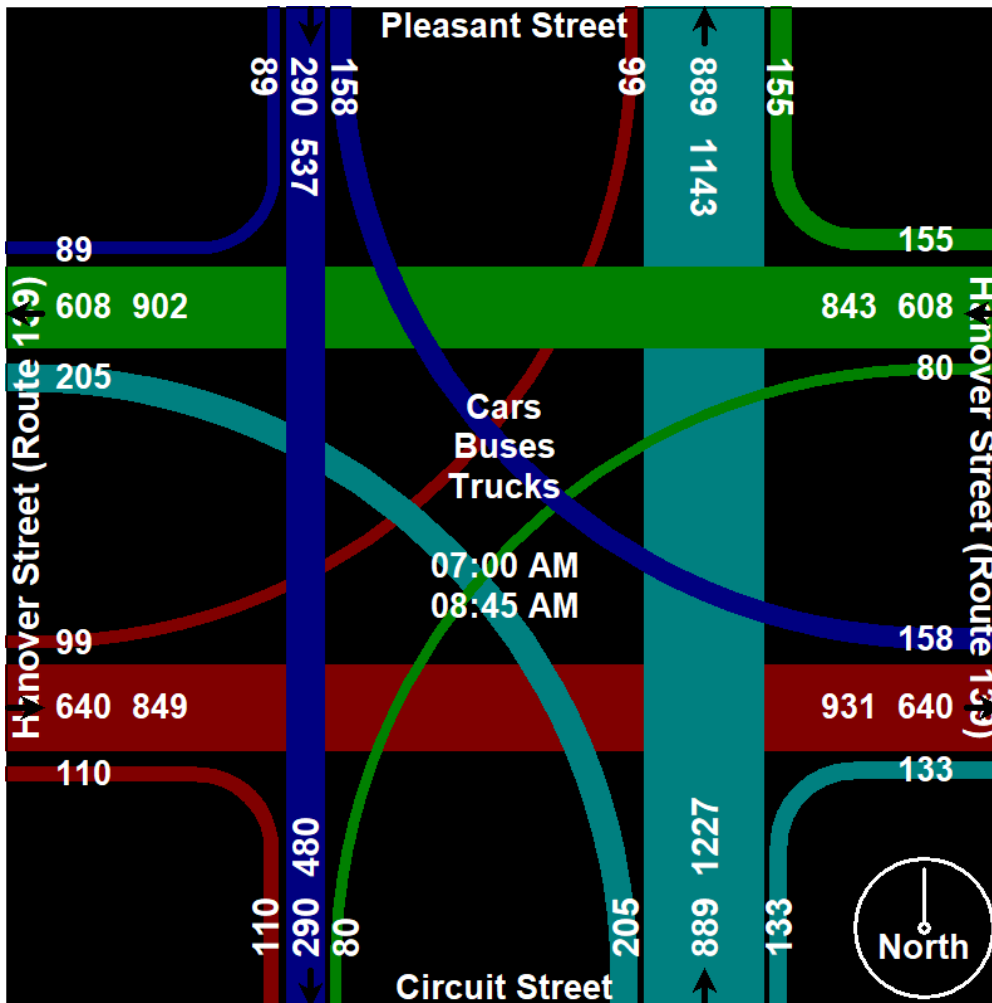


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Site Code : 122
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Page No : 3





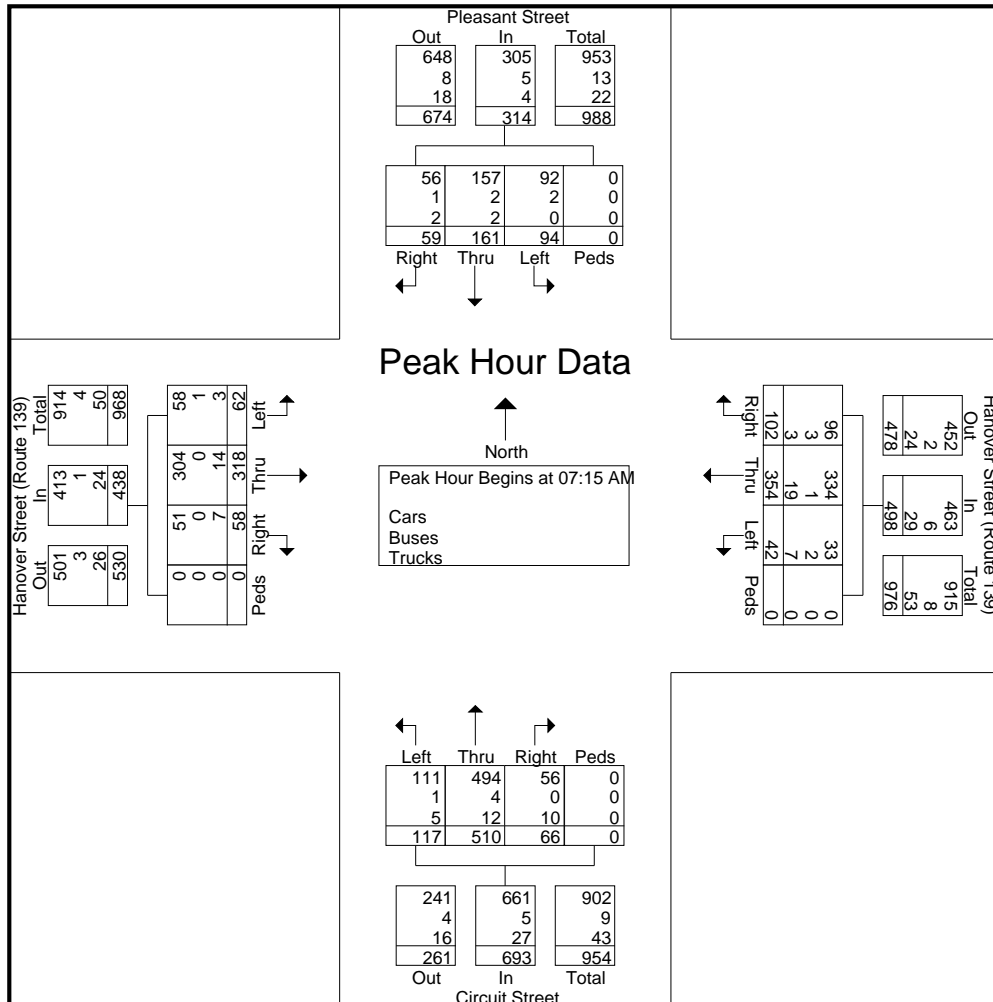
Old Colony Planning Council

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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (5) / BH
 Traffic Control: Traffic Light

File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_AM
 Site Code : 122
 Start Date : 10/29/2019
 Page No : 4

Start Time	Pleasant Street Southbound					Hanover Street (Route 139) Westbound					Circuit Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	18	33	22	0	73	25	83	10	0	118	19	129	27	0	175	11	65	16	0	92	458
07:30 AM	15	48	30	0	93	32	86	4	0	122	11	118	32	0	161	12	80	17	0	109	485
07:45 AM	17	52	28	0	97	29	101	12	0	142	19	150	23	0	192	12	60	15	0	87	518
08:00 AM	9	28	14	0	51	16	84	16	0	116	17	113	35	0	165	23	113	14	0	150	482
Total Volume	59	161	94	0	314	102	354	42	0	498	66	510	117	0	693	58	318	62	0	438	1943
% App. Total	18.8	51.3	29.9	0		20.5	71.1	8.4	0		9.5	73.6	16.9	0		13.2	72.6	14.2	0		
PHF	.819	.774	.783	.000	.809	.797	.876	.656	.000	.877	.868	.850	.836	.000	.902	.630	.704	.912	.000	.730	.938
Cars	56	157	92	0	305	96	334	33	0	463	56	494	111	0	661	51	304	58	0	413	1842
% Cars	94.9	97.5	97.9	0	97.1	94.1	94.4	78.6	0	93.0	84.8	96.9	94.9	0	95.4	87.9	95.6	93.5	0	94.3	94.8
Buses	1	2	2	0	5	3	1	2	0	6	0	4	1	0	5	0	0	1	0	1	17
% Buses	1.7	1.2	2.1	0	1.6	2.9	0.3	4.8	0	1.2	0	0.8	0.9	0	0.7	0	0	1.6	0	0.2	0.9
Trucks	2	2	0	0	4	3	19	7	0	29	10	12	5	0	27	7	14	3	0	24	84
% Trucks	3.4	1.2	0	0	1.3	2.9	5.4	16.7	0	5.8	15.2	2.4	4.3	0	3.9	12.1	4.4	4.8	0	5.5	4.3



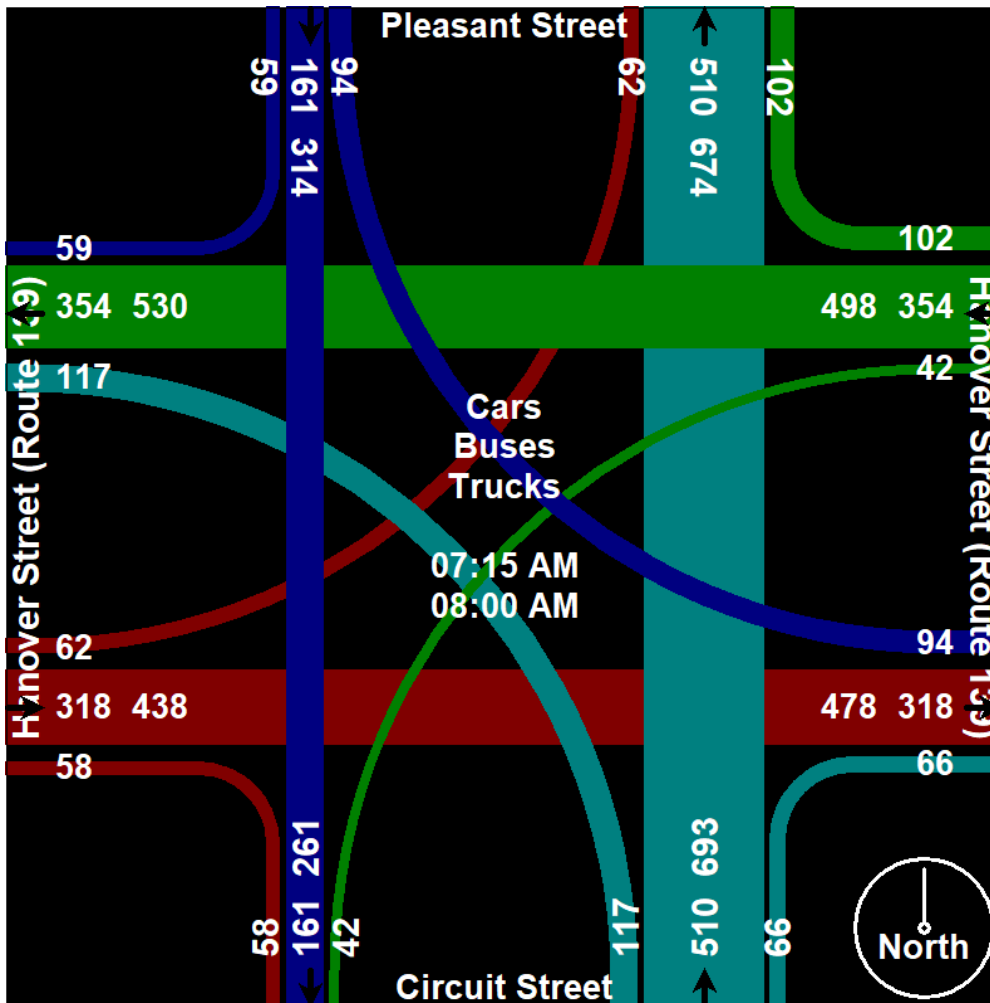


Old Colony Planning Council

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

Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (5) / BH
Traffic Control: Traffic Light

File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_AM
Site Code : 122
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File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_PM
 Site Code : 122
 Start Date : 10/29/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Pleasant Street Southbound					Hanover Street (Route 139) Westbound					Circuit Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
04:00 PM	14	97	31	0	142	8	92	24	0	124	18	53	34	0	105	31	73	14	0	118	489	
04:15 PM	12	113	21	0	146	14	91	22	0	127	5	46	21	0	72	25	74	8	1	108	453	
04:30 PM	13	120	28	0	161	12	82	14	0	108	13	60	30	0	103	24	86	21	0	131	503	
04:45 PM	9	122	24	0	155	10	93	23	0	126	16	54	15	0	85	36	100	13	0	149	515	
Total	48	452	104	0	604	44	358	83	0	485	52	213	100	0	365	116	333	56	1	506	1960	
05:00 PM	16	140	28	0	184	11	86	27	0	124	20	57	16	0	93	18	93	18	0	129	530	
05:15 PM	10	136	15	0	161	8	90	20	0	118	10	79	27	0	116	35	88	19	0	142	537	
05:30 PM	15	157	14	0	186	8	66	16	0	90	8	58	14	0	80	29	75	24	0	128	484	
05:45 PM	13	131	20	0	164	9	84	13	0	106	14	82	27	0	123	24	74	12	0	110	503	
Total	54	564	77	0	695	36	326	76	0	438	52	276	84	0	412	106	330	73	0	509	2054	
Grand Total	102	1016	181	0	1299	80	684	159	0	923	104	489	184	0	777	222	663	129	1	1015	4014	
Apprch %	7.9	78.2	13.9	0		8.7	74.1	17.2	0		13.4	62.9	23.7	0		21.9	65.3	12.7	0.1			
Total %	2.5	25.3	4.5	0	32.4	2	17	4	0	23	2.6	12.2	4.6	0	19.4	5.5	16.5	3.2	0	25.3		
Cars	101	1003	180	0	1284	80	670	153	0	903	100	485	178	0	763	216	650	127	1	994	3944	
% Cars	99	98.7	99.4	0	98.8	100	98	96.2	0	97.8	96.2	99.2	96.7	0	98.2	97.3	98	98.4	100	97.9	98.3	
Buses	0	4	0	0	4	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	5
% Buses	0	0.4	0	0	0.3	0	0	0.6	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0.1
Trucks	1	9	1	0	11	0	14	5	0	19	4	4	6	0	14	6	13	2	0	21	65	
% Trucks	1	0.9	0.6	0	0.8	0	2	3.1	0	2.1	3.8	0.8	3.3	0	1.8	2.7	2	1.6	0	2.1	1.6	

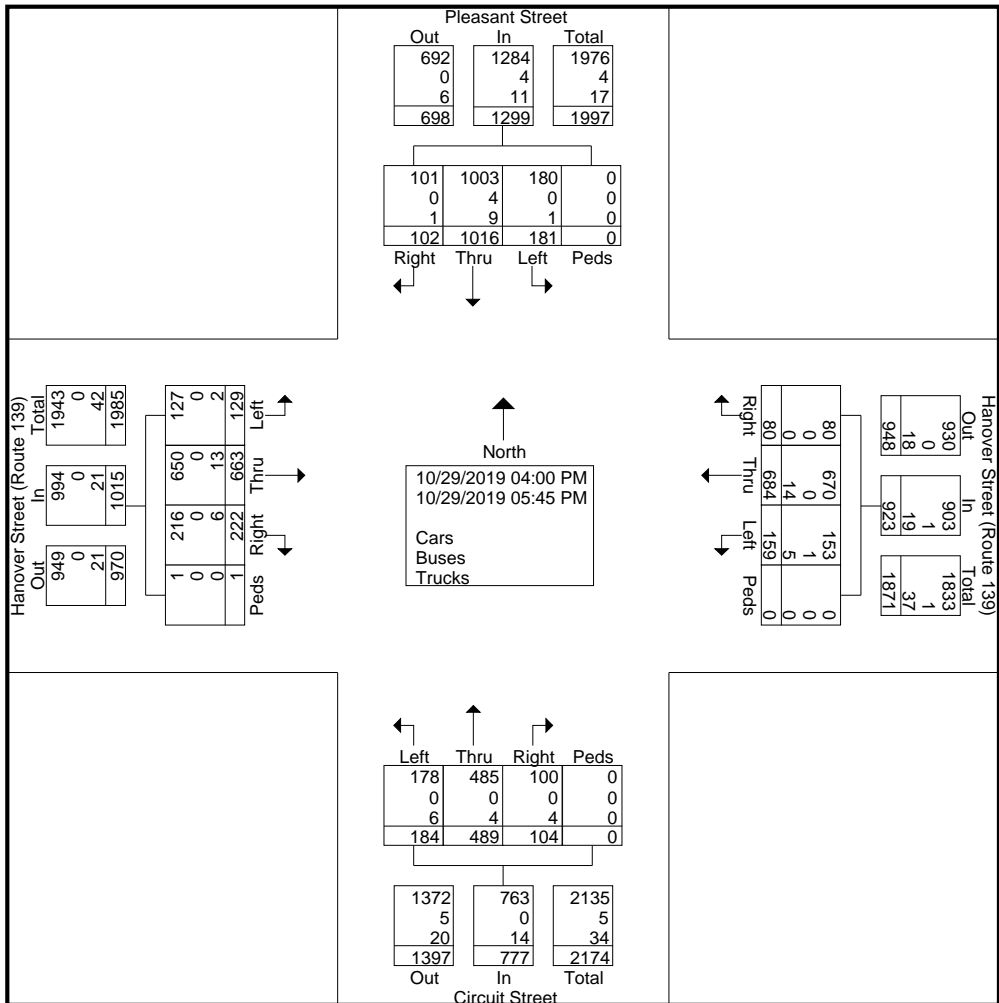


Old Colony Planning Council

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 Traffic Control: Traffic Light

File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_PM
 Site Code : 122
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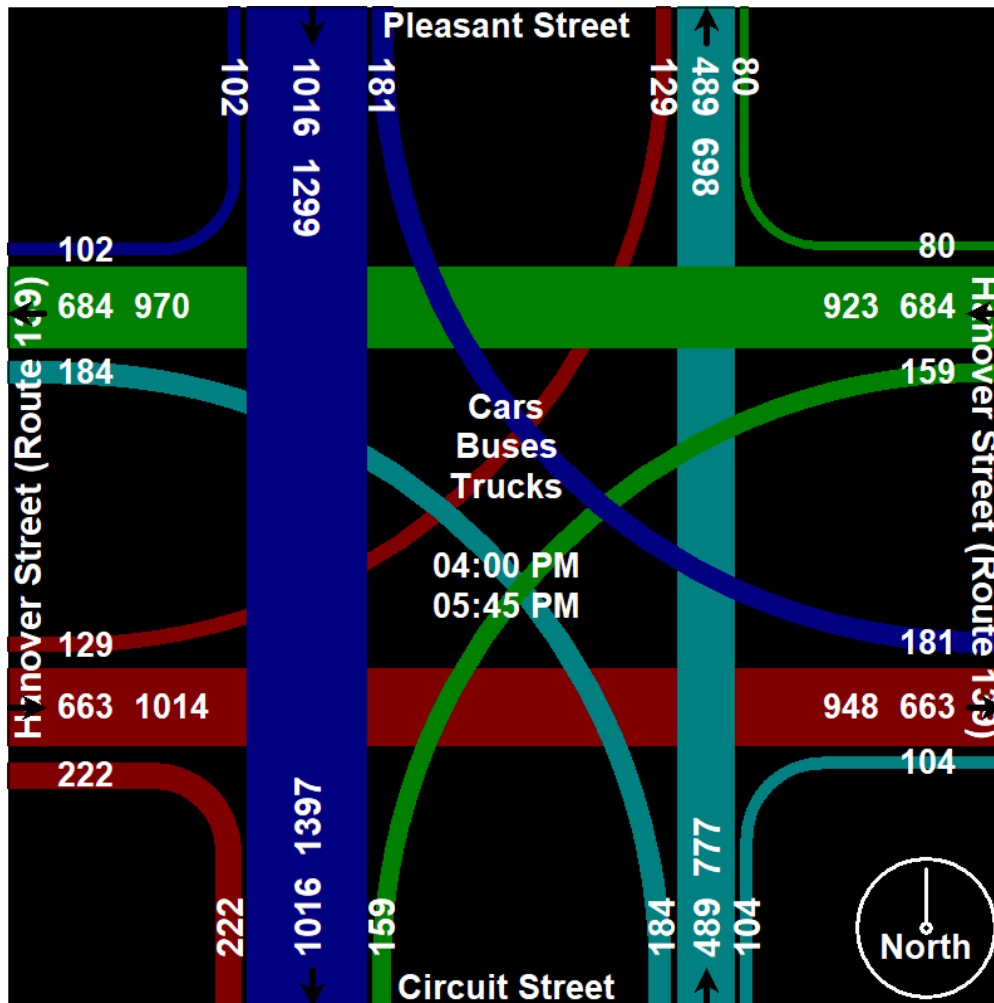


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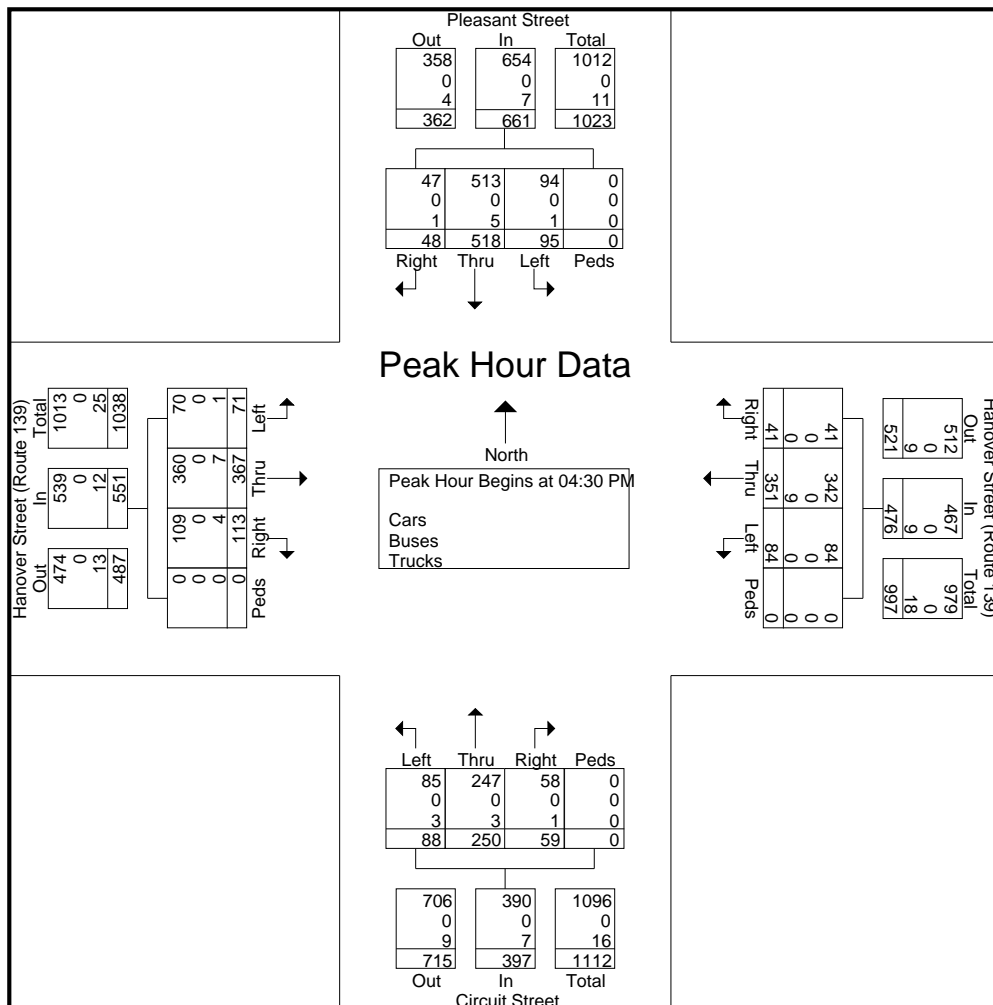
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File Name : Hanover Street (Route 139) & Circuit Street_Pleasant Street_PM
 Site Code : 122
 Start Date : 10/29/2019
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Start Time	Pleasant Street Southbound					Hanover Street (Route 139) Westbound					Circuit Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	13	120	28	0	161	12	82	14	0	108	13	60	30	0	103	24	86	21	0	131	503
04:45 PM	9	122	24	0	155	10	93	23	0	126	16	54	15	0	85	36	100	13	0	149	515
05:00 PM	16	140	28	0	184	11	86	27	0	124	20	57	16	0	93	18	93	18	0	129	530
05:15 PM	10	136	15	0	161	8	90	20	0	118	10	79	27	0	116	35	88	19	0	142	537
Total Volume	48	518	95	0	661	41	351	84	0	476	59	250	88	0	397	113	367	71	0	551	2085
% App. Total	7.3	78.4	14.4	0		8.6	73.7	17.6	0		14.9	63	22.2	0		20.5	66.6	12.9	0		
PHF	.750	.925	.848	.000	.898	.854	.944	.778	.000	.944	.738	.791	.733	.000	.856	.785	.918	.845	.000	.924	.971
Cars	47	513	94	0	654	41	342	84	0	467	58	247	85	0	390	109	360	70	0	539	2050
% Cars	97.9	99.0	98.9	0	98.9	100	97.4	100	0	98.1	98.3	98.8	96.6	0	98.2	96.5	98.1	98.6	0	97.8	98.3
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trucks	1	5	1	0	7	0	9	0	0	9	1	3	3	0	7	4	7	1	0	12	35
% Trucks	2.1	1.0	1.1	0	1.1	0	2.6	0	0	1.9	1.7	1.2	3.4	0	1.8	3.5	1.9	1.4	0	2.2	1.7



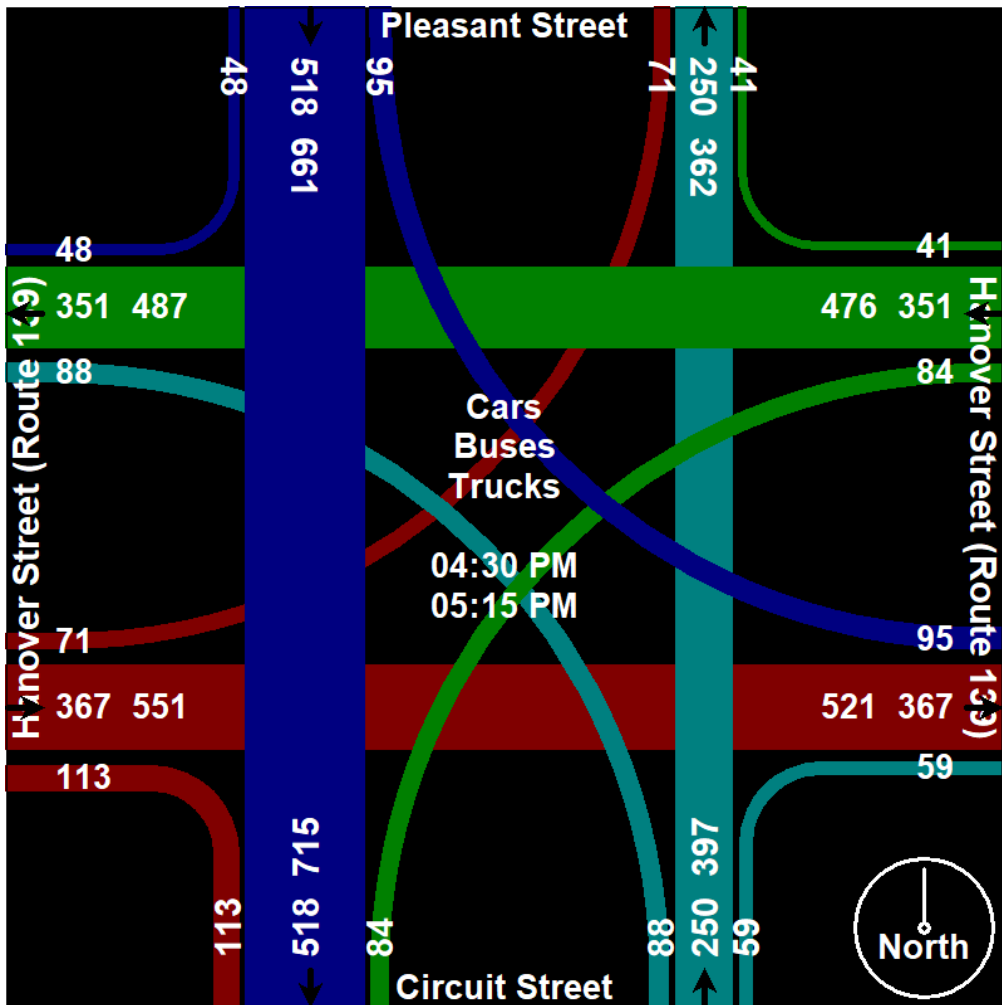


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Site Code : 122
Start Date : 10/29/2019
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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Plain Street_AM
 Site Code : 122
 Start Date : 12/4/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Plain Street Southbound					Hanover Street (Route 139) Westbound					Plain Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	10	7	2	0	19	1	63	1	0	65	0	30	5	0	35	3	72	5	0	80	199
07:15 AM	14	13	1	0	28	2	114	0	0	116	3	43	10	0	56	6	64	6	0	76	276
07:30 AM	24	8	2	0	34	0	86	2	0	88	0	28	15	0	43	2	105	5	0	112	277
07:45 AM	8	11	3	0	22	3	70	0	0	73	0	25	11	0	36	8	89	12	0	109	240
Total	56	39	8	0	103	6	333	3	0	342	3	126	41	0	170	19	330	28	0	377	992
08:00 AM	11	5	1	0	17	2	75	0	0	77	1	19	9	0	29	6	94	8	0	108	231
08:15 AM	8	13	4	0	25	2	75	0	0	77	1	30	5	0	36	6	99	4	0	109	247
08:30 AM	6	11	1	0	18	2	73	1	0	76	0	22	11	0	33	3	88	6	0	97	224
08:45 AM	17	3	4	0	24	4	88	2	0	94	2	24	4	0	30	8	97	5	0	110	258
Total	42	32	10	0	84	10	311	3	0	324	4	95	29	0	128	23	378	23	0	424	960
Grand Total	98	71	18	0	187	16	644	6	0	666	7	221	70	0	298	42	708	51	0	801	1952
Apprch %	52.4	38	9.6	0		2.4	96.7	0.9	0		2.3	74.2	23.5	0		5.2	88.4	6.4	0		
Total %	5	3.6	0.9	0	9.6	0.8	33	0.3	0	34.1	0.4	11.3	3.6	0	15.3	2.2	36.3	2.6	0	41	
Cars	91	65	18	0	174	14	612	5	0	631	6	211	65	0	282	38	667	47	0	752	1839
% Cars	92.9	91.5	100	0	93	87.5	95	83.3	0	94.7	85.7	95.5	92.9	0	94.6	90.5	94.2	92.2	0	93.9	94.2
Buses	5	2	0	0	7	2	14	0	0	16	1	4	0	0	5	0	11	0	0	11	39
% Buses	5.1	2.8	0	0	3.7	12.5	2.2	0	0	2.4	14.3	1.8	0	0	1.7	0	1.6	0	0	1.4	2
Trucks	2	4	0	0	6	0	18	1	0	19	0	6	5	0	11	4	30	4	0	38	74
% Trucks	2	5.6	0	0	3.2	0	2.8	16.7	0	2.9	0	2.7	7.1	0	3.7	9.5	4.2	7.8	0	4.7	3.8

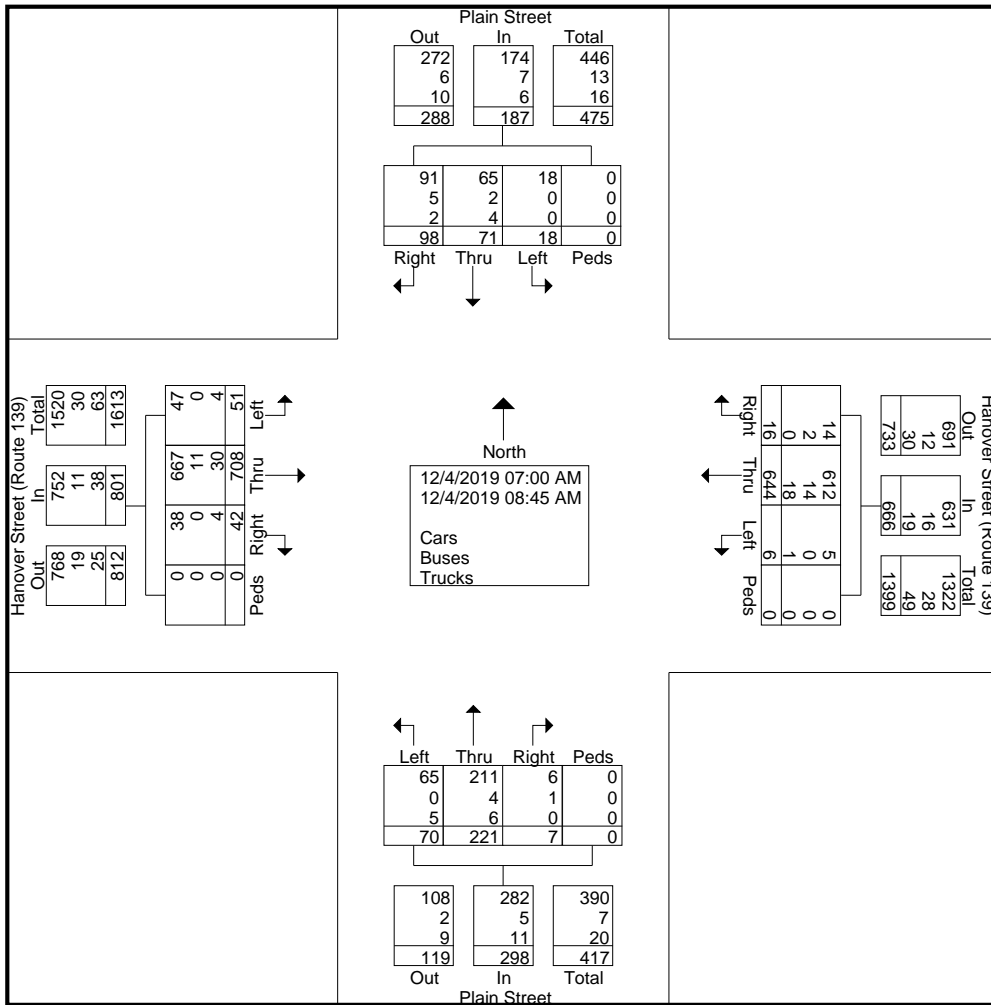


Old Colony Planning Council

70 School Street
 Brockton, MA 02301
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 www.ocpcrpa.org

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

File Name : Hanover Street (Route 139) & Plain Street_AM
 Site Code : 122
 Start Date : 12/4/2019
 Page No : 2



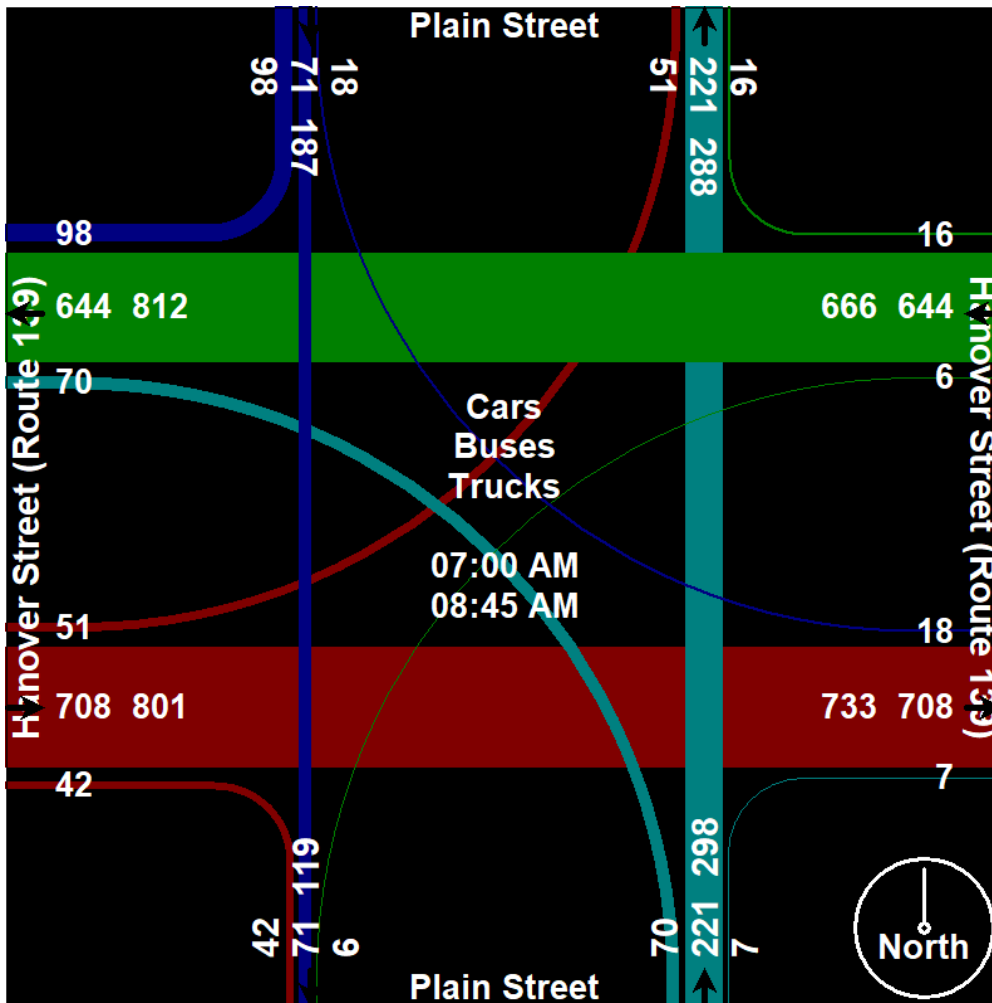


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Start Date : 12/4/2019
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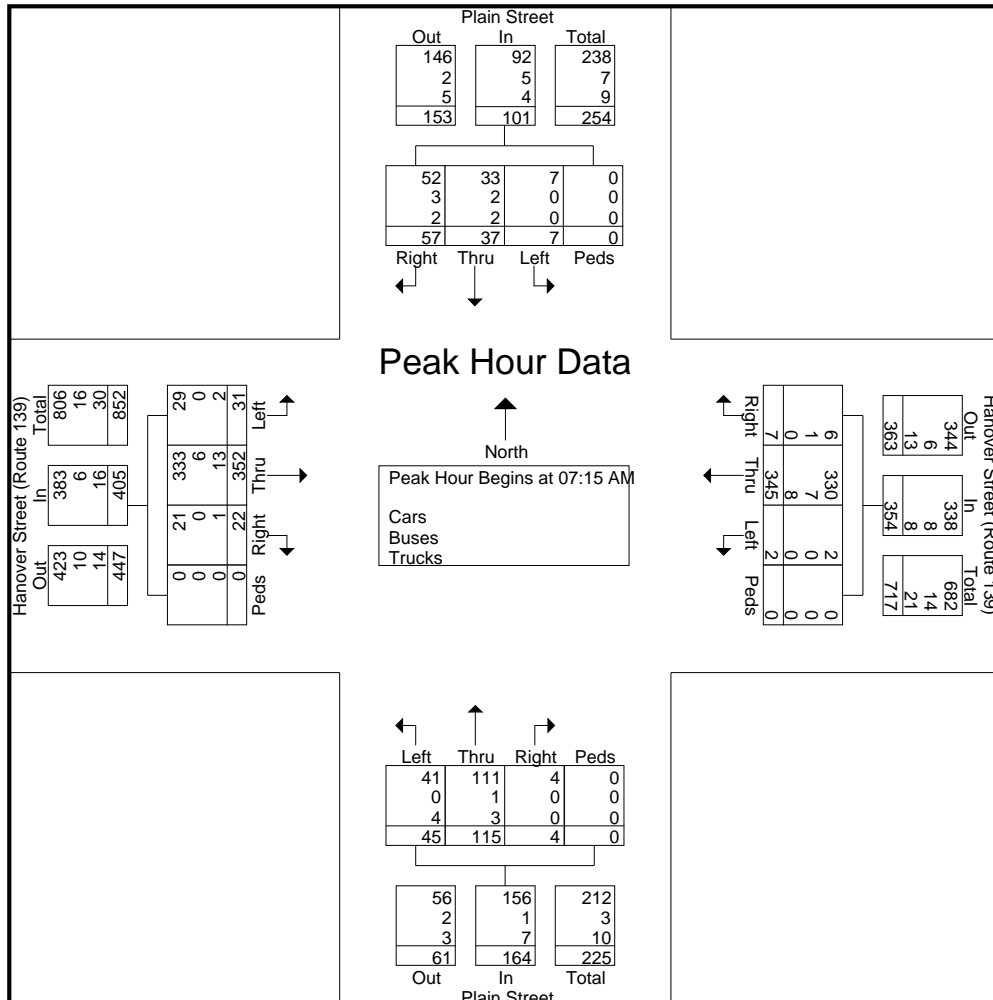
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Start Time	Plain Street Southbound					Hanover Street (Route 139) Westbound					Plain Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	14	13	1	0	28	2	114	0	0	116	3	43	10	0	56	6	64	6	0	76	276
07:30 AM	24	8	2	0	34	0	86	2	0	88	0	28	15	0	43	2	105	5	0	112	277
07:45 AM	8	11	3	0	22	3	70	0	0	73	0	25	11	0	36	8	89	12	0	109	240
08:00 AM	11	5	1	0	17	2	75	0	0	77	1	19	9	0	29	6	94	8	0	108	231
Total Volume	57	37	7	0	101	7	345	2	0	354	4	115	45	0	164	22	352	31	0	405	1024
% App. Total	56.4	36.6	6.9	0		2	97.5	0.6	0		2.4	70.1	27.4	0		5.4	86.9	7.7	0		
PHF	.594	.712	.583	.000	.743	.583	.757	.250	.000	.763	.333	.669	.750	.000	.732	.688	.838	.646	.000	.904	.924
Cars	52	33	7	0	92	6	330	2	0	338	4	111	41	0	156	21	333	29	0	383	969
% Cars	91.2	89.2	100	0	91.1	85.7	95.7	100	0	95.5	100	96.5	91.1	0	95.1	95.5	94.6	93.5	0	94.6	94.6
Buses	3	2	0	0	5	1	7	0	0	8	0	1	0	0	1	0	6	0	0	6	20
% Buses	5.3	5.4	0	0	5.0	14.3	2.0	0	0	2.3	0	0.9	0	0	0.6	0	1.7	0	0	1.5	2.0
Trucks	2	2	0	0	4	0	8	0	0	8	0	3	4	0	7	1	13	2	0	16	35
% Trucks	3.5	5.4	0	0	4.0	0	2.3	0	0	2.3	0	2.6	8.9	0	4.3	4.5	3.7	6.5	0	4.0	3.4



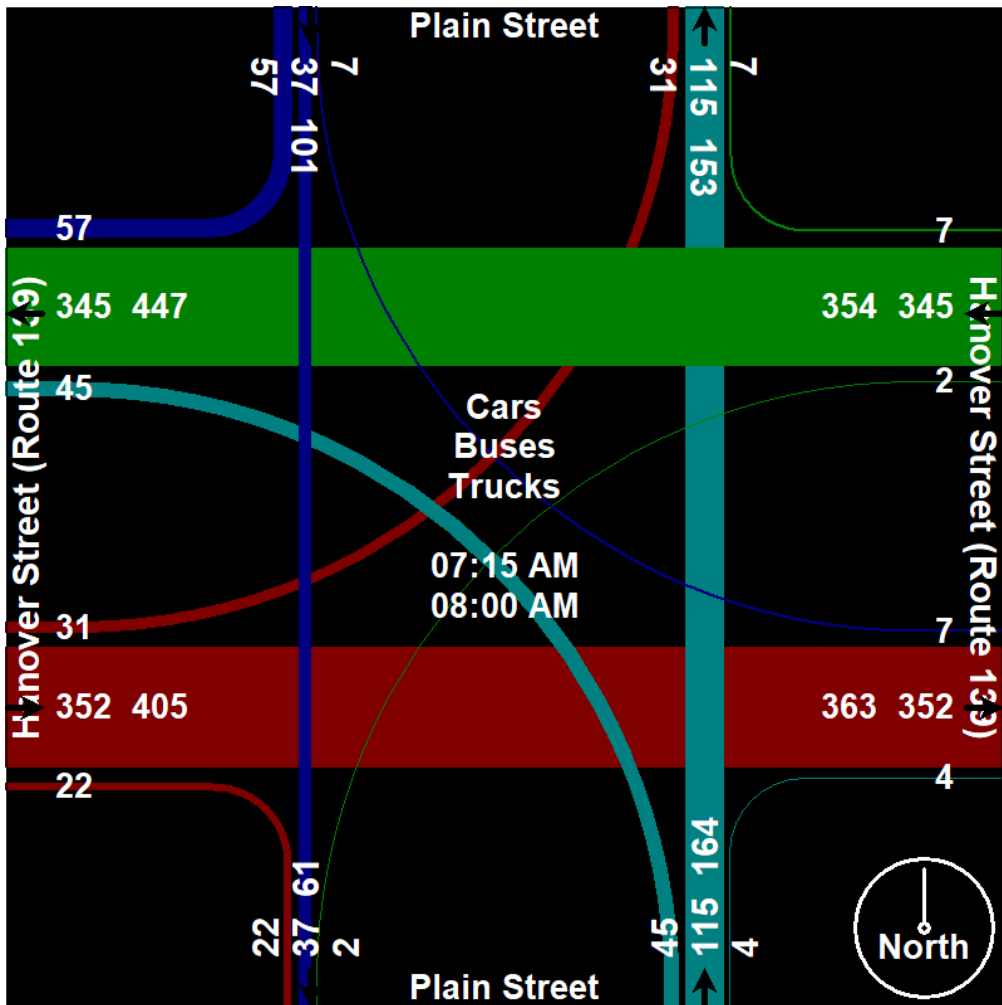


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 Site Code : 122
 Start Date : 12/4/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Plain Street Southbound					Hanover Street (Route 139) Westbound					Plain Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	14	26	4	0	44	2	96	0	0	98	0	18	2	0	20	3	107	12	0	122	284
04:15 PM	8	25	3	0	36	3	97	0	0	100	0	7	1	0	8	3	102	7	0	112	256
04:30 PM	8	24	5	0	37	3	97	0	0	100	1	14	6	0	21	3	100	9	0	112	270
04:45 PM	10	29	4	0	43	1	91	2	0	94	2	12	3	0	17	9	82	10	0	101	255
Total	40	104	16	0	160	9	381	2	0	392	3	51	12	0	66	18	391	38	0	447	1065
05:00 PM	3	29	6	0	38	4	117	1	0	122	1	13	1	0	15	7	87	4	0	98	273
05:15 PM	11	27	0	0	38	3	119	1	0	123	1	8	5	0	14	4	101	9	0	114	289
05:30 PM	10	39	3	0	52	5	81	0	0	86	0	11	1	0	12	5	88	8	0	101	251
05:45 PM	7	24	1	0	32	1	97	0	0	98	1	8	0	0	9	1	91	9	0	101	240
Total	31	119	10	0	160	13	414	2	0	429	3	40	7	0	50	17	367	30	0	414	1053
Grand Total	71	223	26	0	320	22	795	4	0	821	6	91	19	0	116	35	758	68	0	861	2118
Apprch %	22.2	69.7	8.1	0		2.7	96.8	0.5	0		5.2	78.4	16.4	0		4.1	88	7.9	0		
Total %	3.4	10.5	1.2	0	15.1	1	37.5	0.2	0	38.8	0.3	4.3	0.9	0	5.5	1.7	35.8	3.2	0	40.7	
Cars	68	219	26	0	313	22	778	4	0	804	6	90	18	0	114	33	742	65	0	840	2071
% Cars	95.8	98.2	100	0	97.8	100	97.9	100	0	97.9	100	98.9	94.7	0	98.3	94.3	97.9	95.6	0	97.6	97.8
Buses	1	2	0	0	3	0	5	0	0	5	0	0	0	0	0	0	2	1	0	3	11
% Buses	1.4	0.9	0	0	0.9	0	0.6	0	0	0.6	0	0	0	0	0	0	0.3	1.5	0	0.3	0.5
Trucks	2	2	0	0	4	0	12	0	0	12	0	1	1	0	2	2	14	2	0	18	36
% Trucks	2.8	0.9	0	0	1.2	0	1.5	0	0	1.5	0	1.1	5.3	0	1.7	5.7	1.8	2.9	0	2.1	1.7

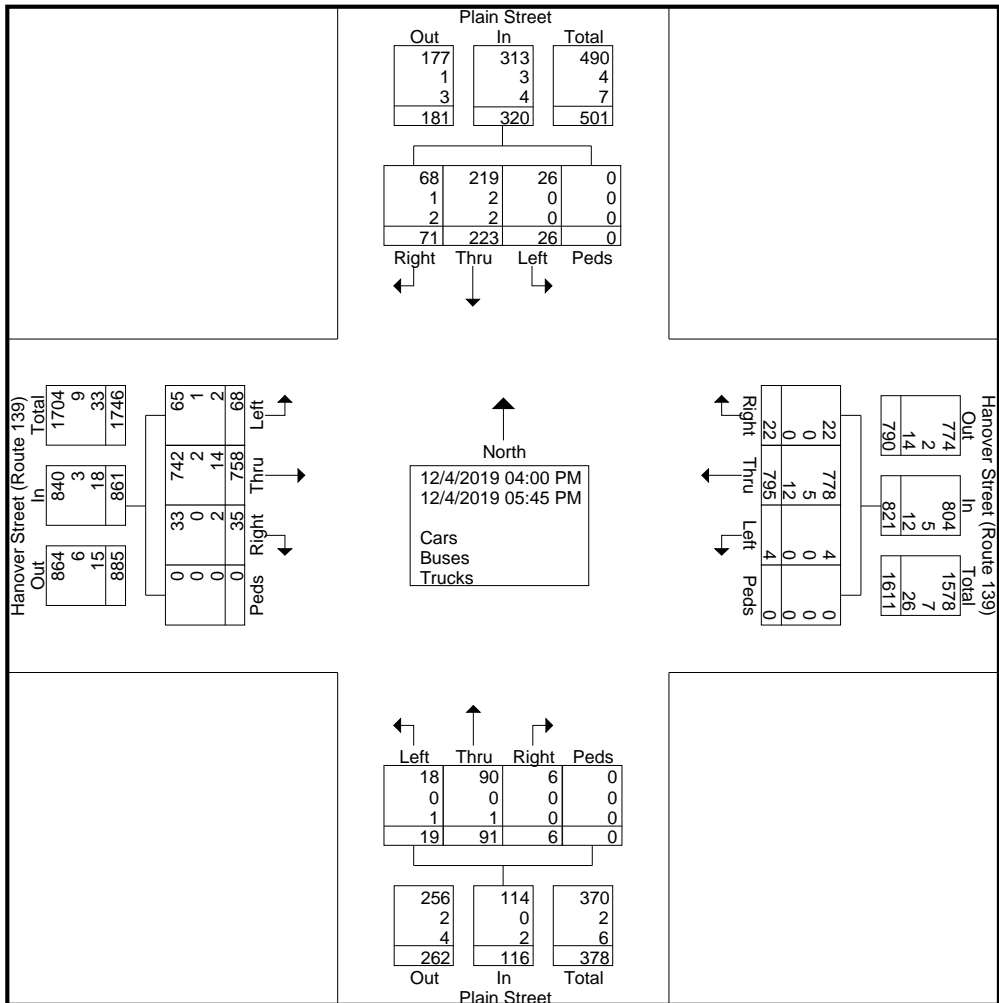


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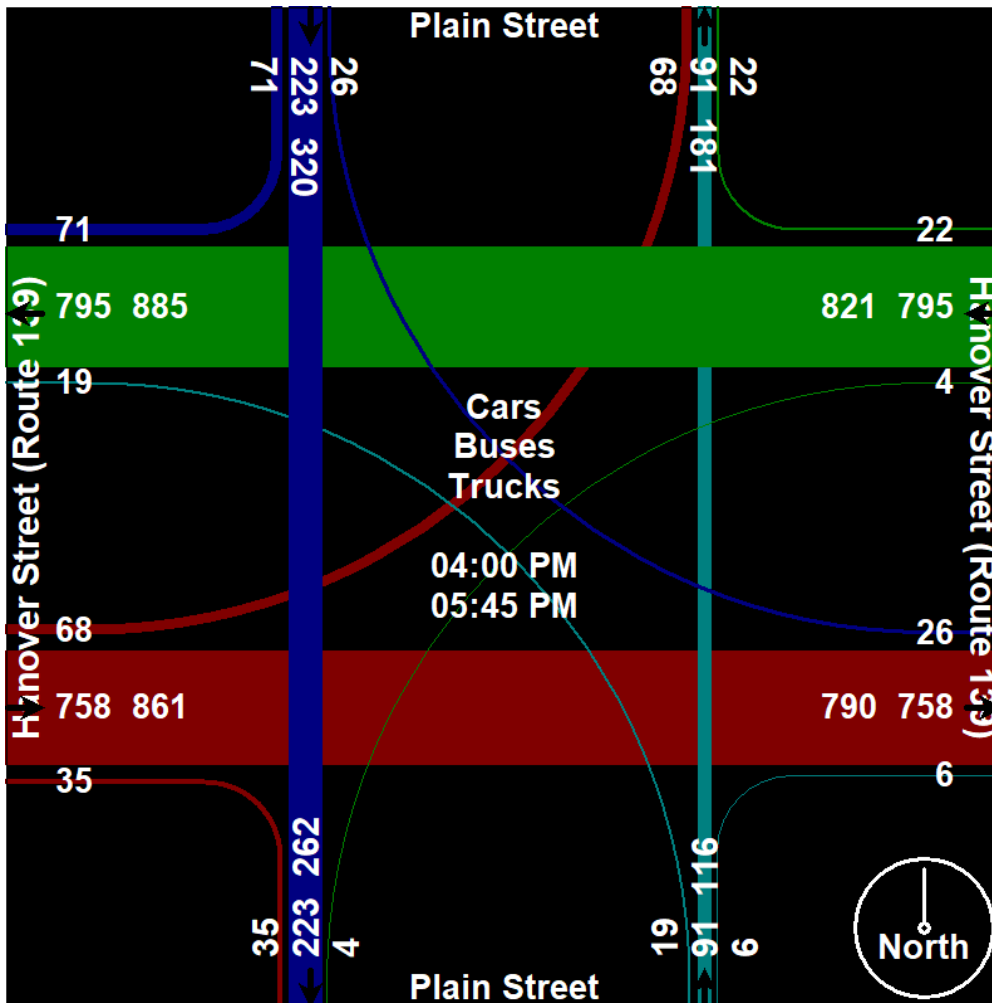


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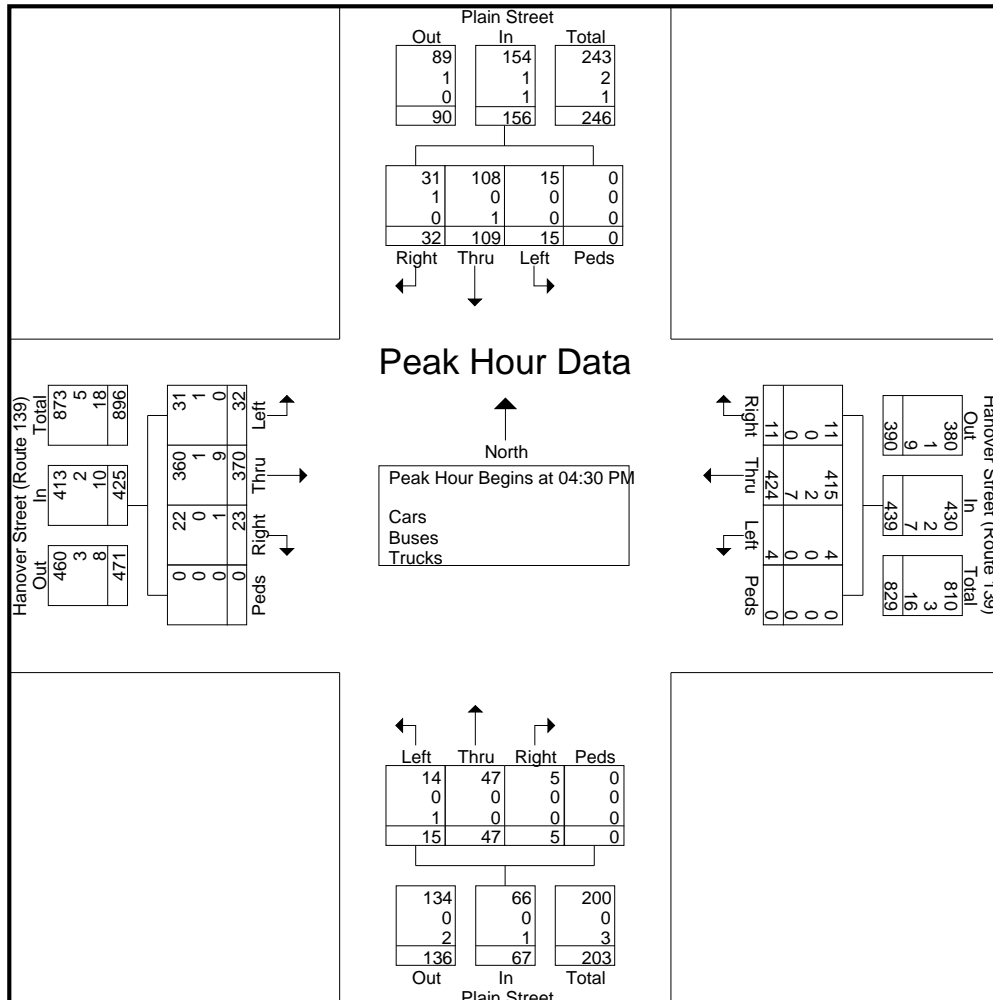
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 Start Date : 12/4/2019
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Start Time	Plain Street Southbound					Hanover Street (Route 139) Westbound					Plain Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:30 PM																						
04:30 PM	8	24	5	0	37	3	97	0	0	100	1	14	6	0	21	3	100	9	0	112	270	
04:45 PM	10	29	4	0	43	1	91	2	0	94	2	12	3	0	17	9	82	10	0	101	255	
05:00 PM	3	29	6	0	38	4	117	1	0	122	1	13	1	0	15	7	87	4	0	98	273	
05:15 PM	11	27	0	0	38	3	119	1	0	123	1	8	5	0	14	4	101	9	0	114	289	
Total Volume	32	109	15	0	156	11	424	4	0	439	5	47	15	0	67	23	370	32	0	425	1087	
% App. Total	20.5	69.9	9.6	0		2.5	96.6	0.9	0		7.5	70.1	22.4	0		5.4	87.1	7.5	0			
PHF	.727	.940	.625	.000	.907	.688	.891	.500	.000	.892	.625	.839	.625	.000	.798	.639	.916	.800	.000	.932	.940	
Cars	31	108	15	0	154	11	415	4	0	430	5	47	14	0	66	22	360	31	0	413	1063	
% Cars	96.9	99.1	100	0	98.7	100	97.9	100	0	97.9	100	100	93.3	0	98.5	95.7	97.3	96.9	0	97.2	97.8	
Buses	1	0	0	0	1	0	2	0	0	2	0	0	0	0	0	0	1	1	0	0	2	5
% Buses	3.1	0	0	0	0.6	0	0.5	0	0	0.5	0	0	0	0	0	0	0.3	3.1	0	0.5	0.5	
Trucks	0	1	0	0	1	0	7	0	0	7	0	0	1	0	1	1	9	0	0	10	19	
% Trucks	0	0.9	0	0	0.6	0	1.7	0	0	1.6	0	0	6.7	0	1.5	4.3	2.4	0	0	2.4	1.7	



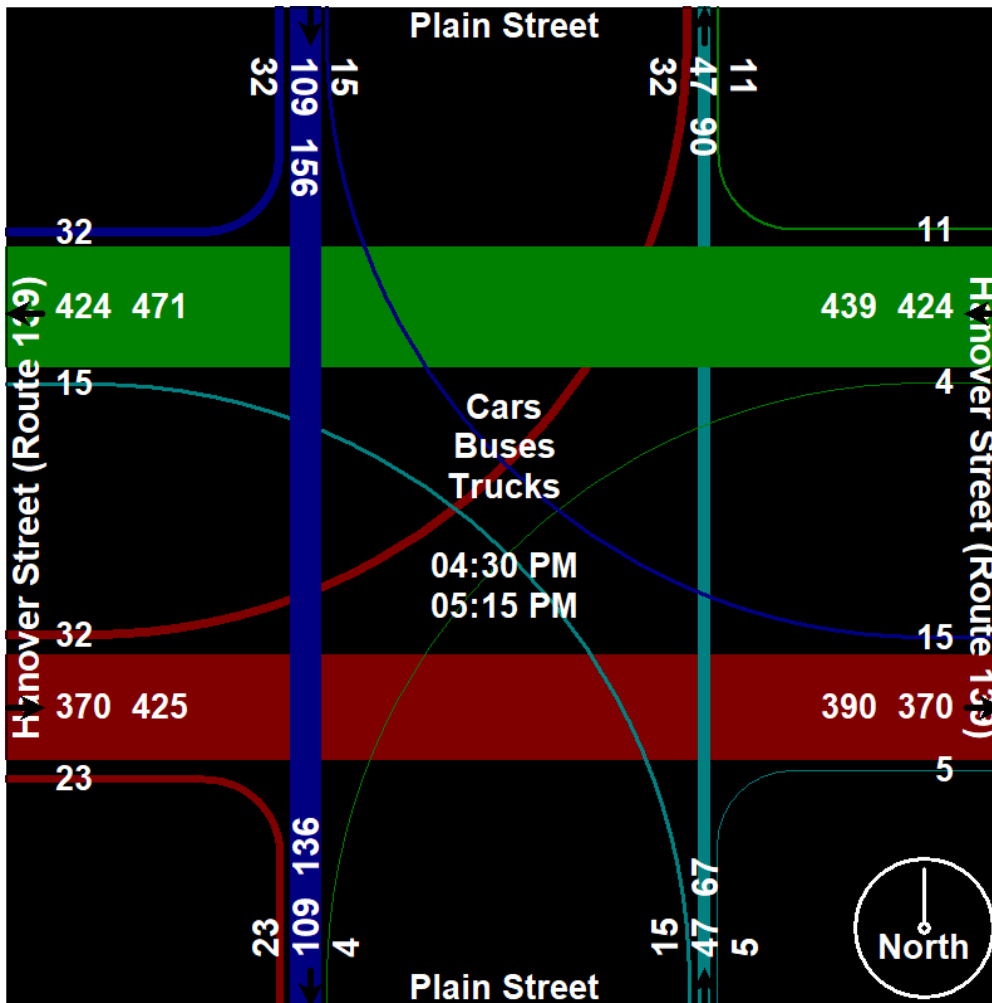


Old Colony Planning Council

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

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

File Name : Hanover Street (Route 139) & Plain Street_PM
Site Code : 122
Start Date : 12/4/2019
Page No : 5





Old Colony Planning Council

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

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

File Name : Hanover Street (Route 139) & Grove Street_AM
 Site Code : 122
 Start Date : 11/5/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Grove Street Southbound					Hanover Street (Route 139) Westbound					Grove Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	7	0	1	0	8	0	94	0	0	94	3	29	4	0	36	1	94	8	0	103	241
07:15 AM	5	6	4	0	15	0	115	0	0	115	3	38	6	0	47	1	124	5	0	130	307
07:30 AM	5	6	0	0	11	2	114	0	0	116	2	27	10	0	39	1	147	3	0	151	317
07:45 AM	6	3	1	0	10	0	93	1	0	94	1	39	2	0	42	5	142	8	0	155	301
Total	23	15	6	0	44	2	416	1	0	419	9	133	22	0	164	8	507	24	0	539	1166
08:00 AM	5	5	1	0	11	0	85	0	0	85	2	19	5	0	26	2	165	0	0	167	289
08:15 AM	3	7	0	0	10	2	109	2	0	113	2	19	1	0	22	2	136	0	0	138	283
08:30 AM	2	9	1	0	12	3	99	1	0	103	3	14	4	0	21	3	132	1	0	136	272
08:45 AM	3	8	2	0	13	4	103	2	0	109	2	26	2	0	30	0	131	1	0	132	284
Total	13	29	4	0	46	9	396	5	0	410	9	78	12	0	99	7	564	2	0	573	1128
Grand Total	36	44	10	0	90	11	812	6	0	829	18	211	34	0	263	15	1071	26	0	1112	2294
Apprch %	40	48.9	11.1	0		1.3	97.9	0.7	0		6.8	80.2	12.9	0		1.3	96.3	2.3	0		
Total %	1.6	1.9	0.4	0	3.9	0.5	35.4	0.3	0	36.1	0.8	9.2	1.5	0	11.5	0.7	46.7	1.1	0	48.5	
Cars	34	42	9	0	85	11	800	5	0	816	17	206	33	0	256	12	1015	23	0	1050	2207
% Cars	94.4	95.5	90	0	94.4	100	98.5	83.3	0	98.4	94.4	97.6	97.1	0	97.3	80	94.8	88.5	0	94.4	96.2
Buses	1	0	0	0	1	0	5	0	0	5	0	2	0	0	2	1	4	2	0	7	15
% Buses	2.8	0	0	0	1.1	0	0.6	0	0	0.6	0	0.9	0	0	0.8	6.7	0.4	7.7	0	0.6	0.7
Trucks	1	2	1	0	4	0	7	1	0	8	1	3	1	0	5	2	52	1	0	55	72
% Trucks	2.8	4.5	10	0	4.4	0	0.9	16.7	0	1	5.6	1.4	2.9	0	1.9	13.3	4.9	3.8	0	4.9	3.1

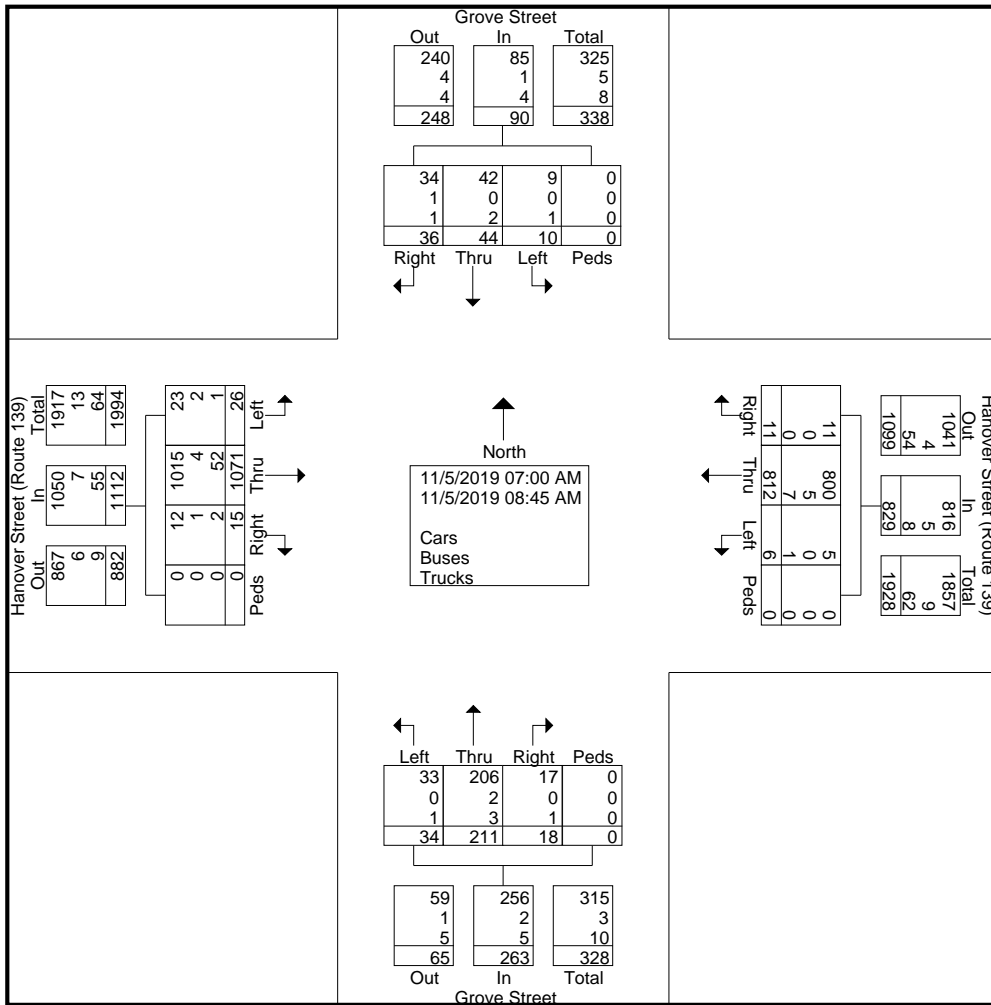


Old Colony Planning Council

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

File Name : Hanover Street (Route 139) & Grove Street_AM
 Site Code : 122
 Start Date : 11/5/2019
 Page No : 2



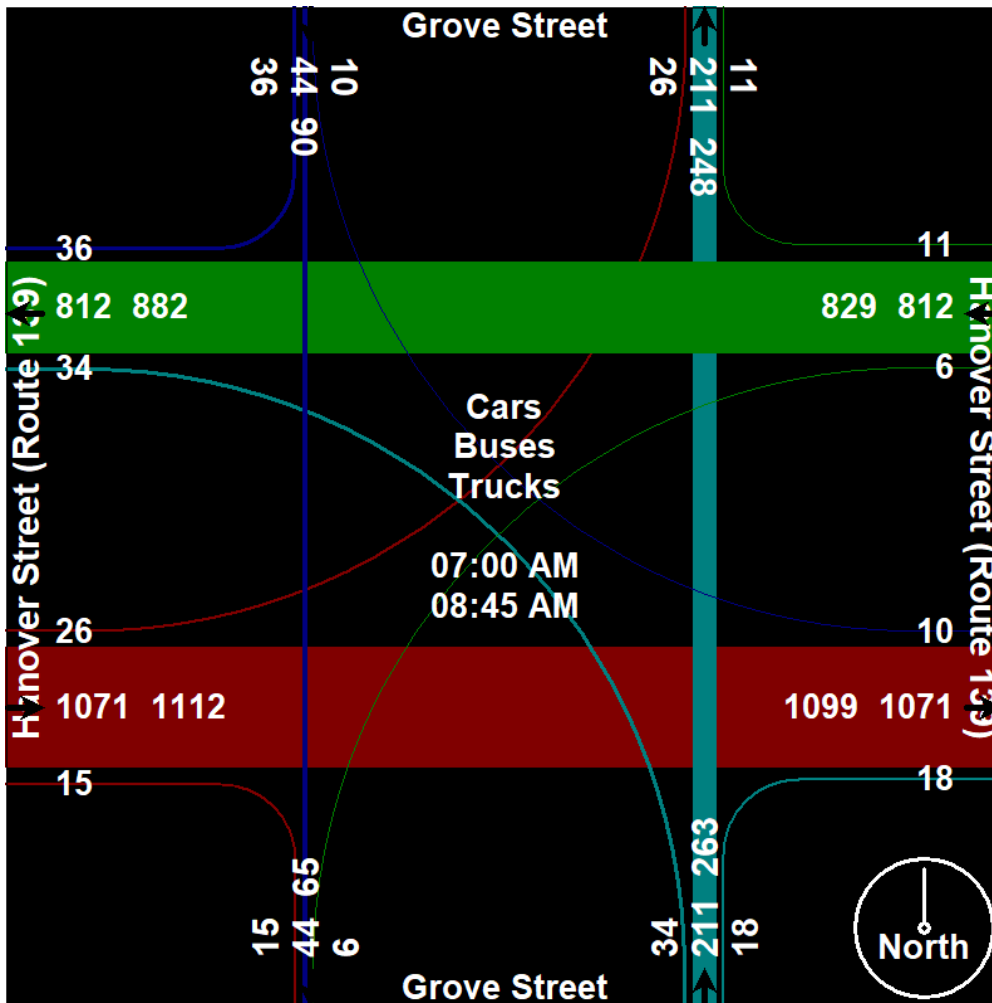


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Start Date : 11/5/2019
Page No : 3





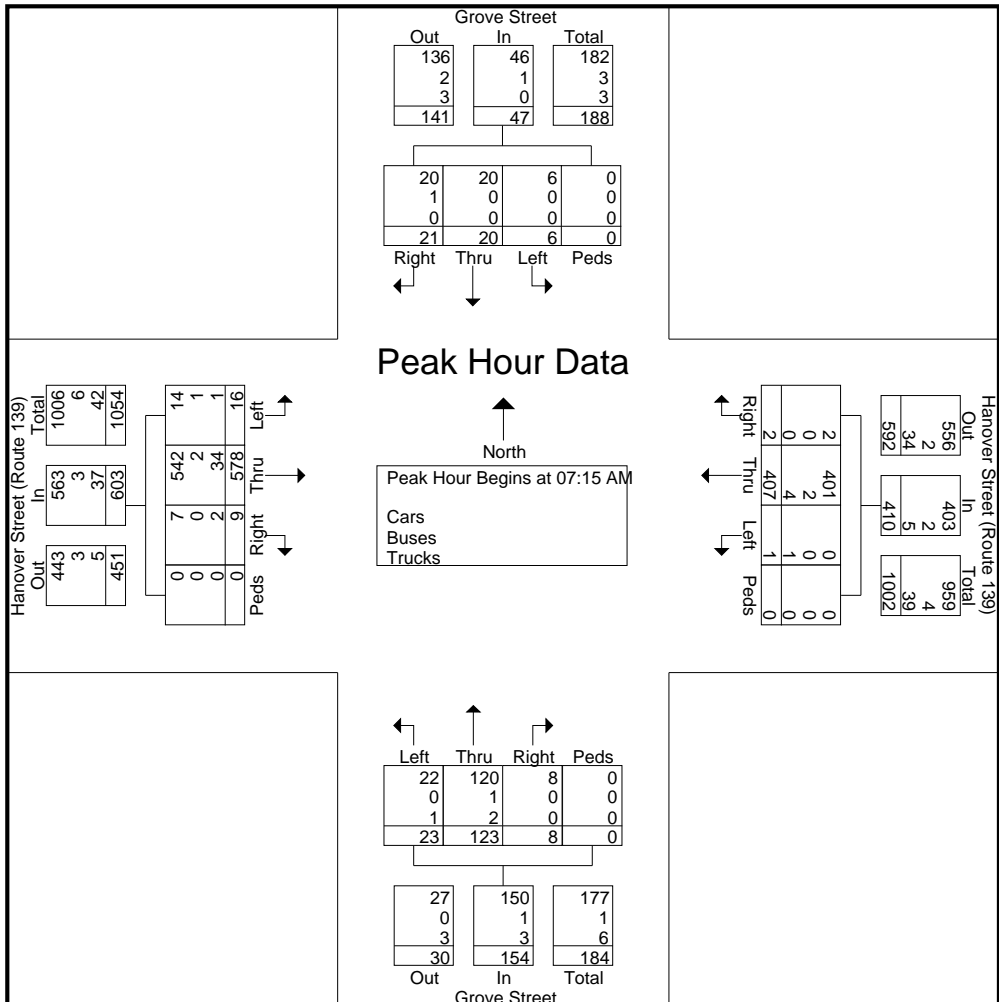
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 Page No : 4

Start Time	Grove Street Southbound					Hanover Street (Route 139) Westbound					Grove Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	5	6	4	0	15	0	115	0	0	115	3	38	6	0	47	1	124	5	0	130	307
07:30 AM	5	6	0	0	11	2	114	0	0	116	2	27	10	0	39	1	147	3	0	151	317
07:45 AM	6	3	1	0	10	0	93	1	0	94	1	39	2	0	42	5	142	8	0	155	301
08:00 AM	5	5	1	0	11	0	85	0	0	85	2	19	5	0	26	2	165	0	0	167	289
Total Volume	21	20	6	0	47	2	407	1	0	410	8	123	23	0	154	9	578	16	0	603	1214
% App. Total	44.7	42.6	12.8	0		0.5	99.3	0.2	0		5.2	79.9	14.9	0		1.5	95.9	2.7	0		
PHF	.875	.833	.375	.000	.783	.250	.885	.250	.000	.884	.667	.788	.575	.000	.819	.450	.876	.500	.000	.903	.957
Cars	20	20	6	0	46	2	401	0	0	403	8	120	22	0	150	7	542	14	0	563	1162
% Cars	95.2	100	100	0	97.9	100	98.5	0	0	98.3	100	97.6	95.7	0	97.4	77.8	93.8	87.5	0	93.4	95.7
Buses	1	0	0	0	1	0	2	0	0	2	0	1	0	0	1	0	2	1	0	3	7
% Buses	4.8	0	0	0	2.1	0	0.5	0	0	0.5	0	0.8	0	0.6	0	0.3	6.3	0	0.5	0.6	
Trucks	0	0	0	0	0	0	4	1	0	5	0	2	1	0	3	2	34	1	0	37	45
% Trucks	0	0	0	0	0	0	1.0	100	0	1.2	0	1.6	4.3	0	1.9	22.2	5.9	6.3	0	6.1	3.7



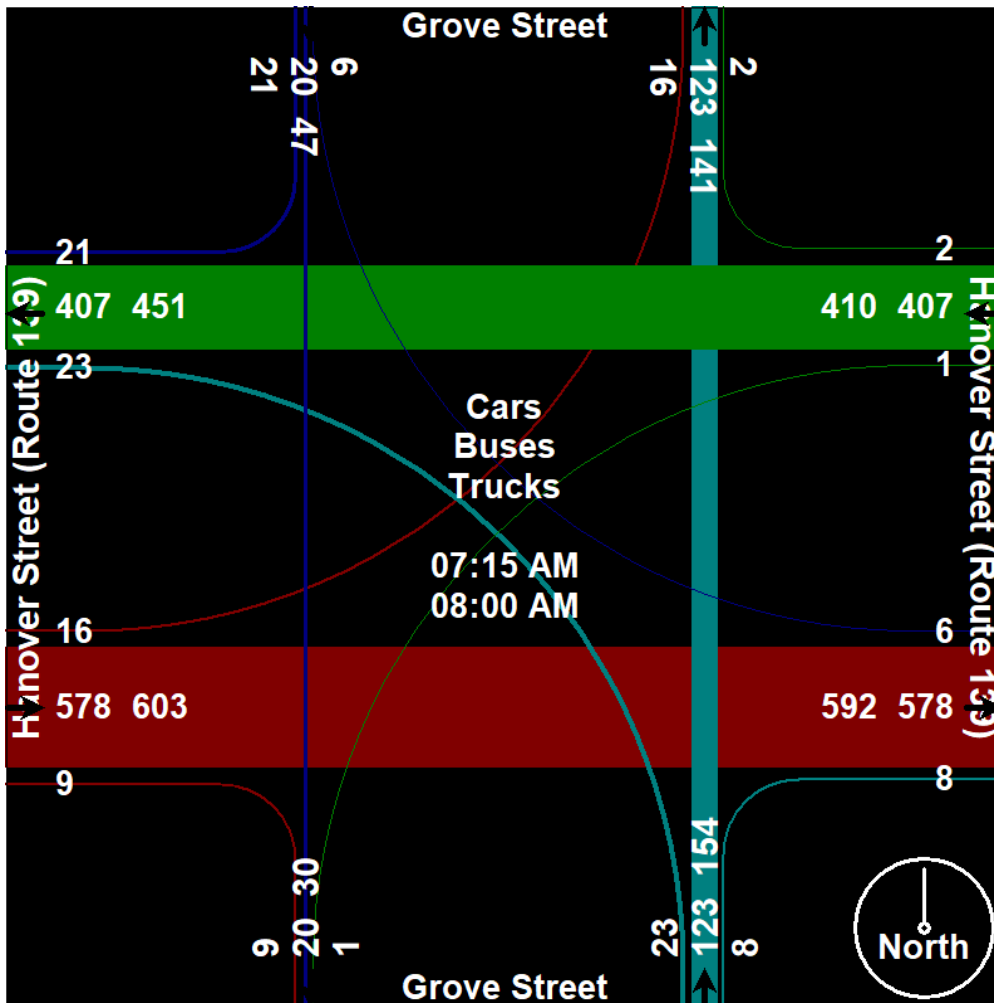


Old Colony Planning Council

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Community: Hanover
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Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Grove Street_AM
Site Code : 122
Start Date : 11/5/2019
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Community: Hanover
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 Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Grove Street_PM
 Site Code : 122
 Start Date : 12/19/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Grove Street Southbound					Hanover Street (Route 139) Westbound					Grove Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
04:00 PM	5	18	1	0	24	0	147	0	0	147	1	12	1	0	14	3	135	3	0	141	326	
04:15 PM	4	13	3	0	20	0	153	1	0	154	0	7	8	0	15	4	137	2	0	143	332	
04:30 PM	1	14	1	0	16	6	136	1	0	143	4	6	2	0	12	3	130	4	0	137	308	
04:45 PM	6	24	5	0	35	1	144	1	0	146	2	4	2	0	8	5	166	4	0	175	364	
Total	16	69	10	0	95	7	580	3	0	590	7	29	13	0	49	15	568	13	0	596	1330	
05:00 PM	6	12	0	0	18	4	119	3	0	126	0	6	3	0	9	4	114	6	0	124	277	
05:15 PM	4	23	3	0	30	2	162	1	0	165	3	8	2	0	13	7	161	5	0	173	381	
05:30 PM	4	15	3	0	22	3	149	3	0	155	3	5	0	0	8	1	137	2	0	140	325	
05:45 PM	5	10	3	0	18	1	147	4	0	152	0	7	5	0	12	6	142	11	0	159	341	
Total	19	60	9	0	88	10	577	11	0	598	6	26	10	0	42	18	554	24	0	596	1324	
Grand Total	35	129	19	0	183	17	1157	14	0	1188	13	55	23	0	91	33	1122	37	0	1192	2654	
Apprch %	19.1	70.5	10.4	0		1.4	97.4	1.2	0		14.3	60.4	25.3	0		2.8	94.1	3.1	0			
Total %	1.3	4.9	0.7	0	6.9	0.6	43.6	0.5	0	44.8	0.5	2.1	0.9	0	3.4	1.2	42.3	1.4	0	44.9		
Cars	35	129	19	0	183	17	1144	13	0	1174	13	55	23	0	91	33	1111	37	0	1181	2629	
% Cars	100	100	100	0	100	100	98.9	92.9	0	98.8	100	100	100	0	100	100	99	100	0	99.1	99.1	
Buses	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
% Buses	0	0	0	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0
Trucks	0	0	0	0	0	0	12	1	0	13	0	0	0	0	0	0	11	0	0	11	24	
% Trucks	0	0	0	0	0	0	1	7.1	0	1.1	0	0	0	0	0	0	1	0	0	0.9	0.9	

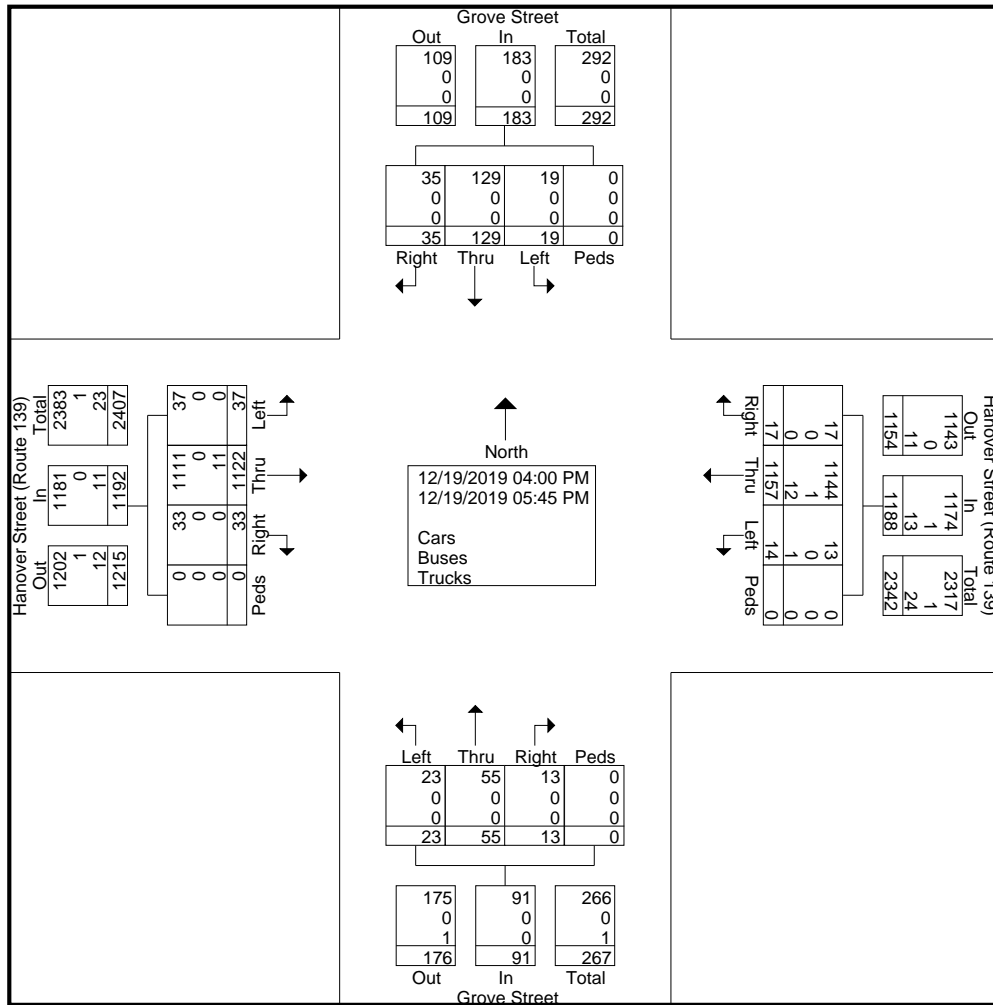


Old Colony Planning Council

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

Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (6) / BH
 Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Grove Street_PM
 Site Code : 122
 Start Date : 12/19/2019
 Page No : 2



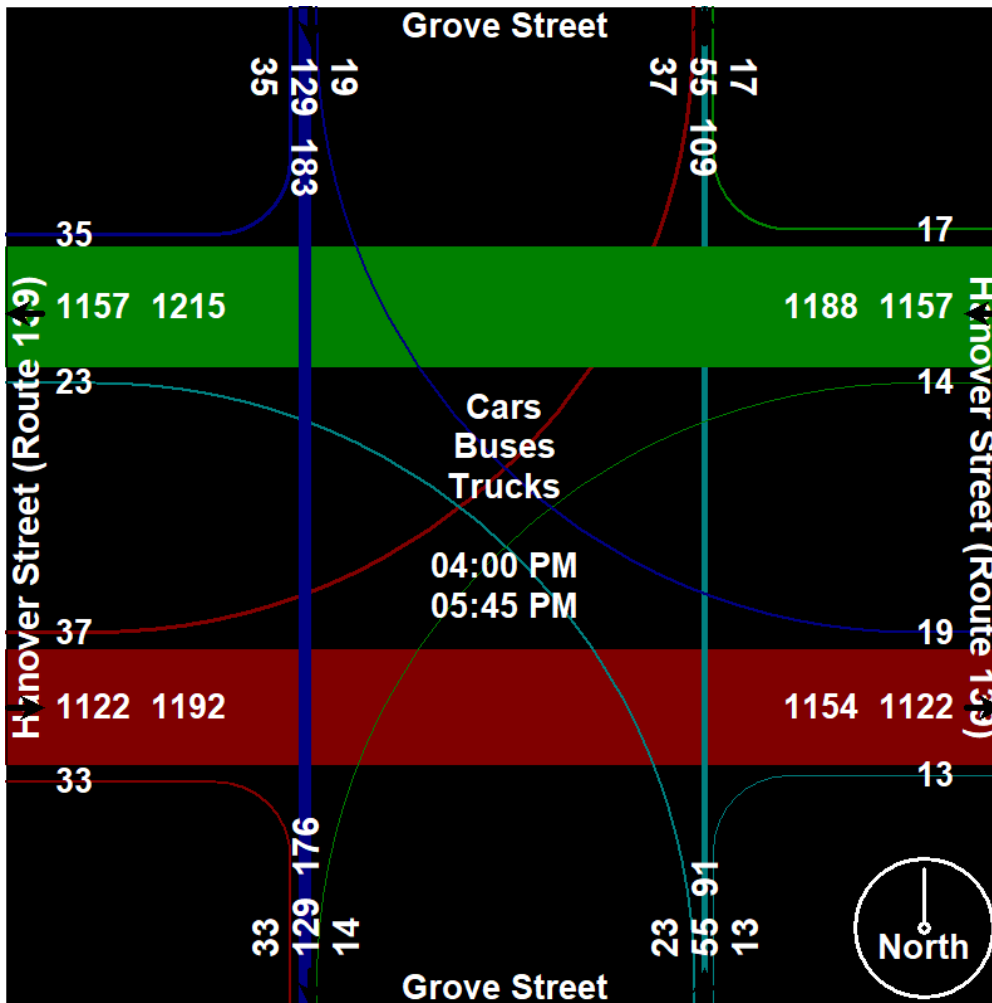


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Start Date : 12/19/2019
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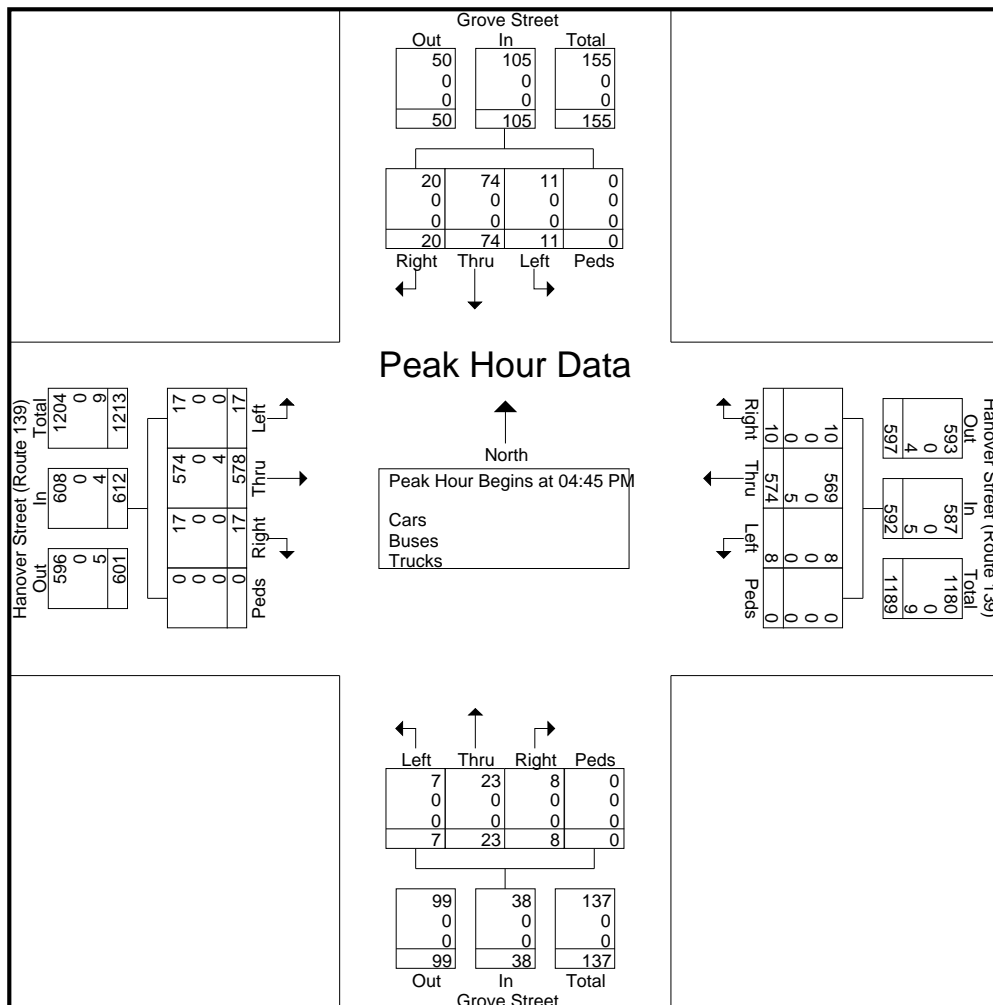
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File Name : Hanover Street (Route 139) & Grove Street_PM
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 Page No : 4

Start Time	Grove Street Southbound					Hanover Street (Route 139) Westbound					Grove Street Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:45 PM																						
04:45 PM	6	24	5	0	35	1	144	1	0	146	2	4	2	0	8	5	166	4	0	175	364	
05:00 PM	6	12	0	0	18	4	119	3	0	126	0	6	3	0	9	4	114	6	0	124	277	
05:15 PM	4	23	3	0	30	2	162	1	0	165	3	8	2	0	13	7	161	5	0	173	381	
05:30 PM	4	15	3	0	22	3	149	3	0	155	3	5	0	0	8	1	137	2	0	140	325	
Total Volume	20	74	11	0	105	10	574	8	0	592	8	23	7	0	38	17	578	17	0	612	1347	
% App. Total	19	70.5	10.5	0		1.7	97	1.4	0		21.1	60.5	18.4	0		2.8	94.4	2.8	0			
PHF	.833	.771	.550	.000	.750	.625	.886	.667	.000	.897	.667	.719	.583	.000	.731	.607	.870	.708	.000	.874	.884	
Cars	20	74	11	0	105	10	569	8	0	587	8	23	7	0	38	17	574	17	0	608	1338	
% Cars	100	100	100	0	100	100	99.1	100	0	99.2	100	100	100	0	100	100	99.3	100	0	99.3	99.3	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trucks	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	4	0	0	4	9	
% Trucks	0	0	0	0	0	0	0.9	0	0	0.8	0	0	0	0	0	0	0.7	0	0	0.7	0.7	



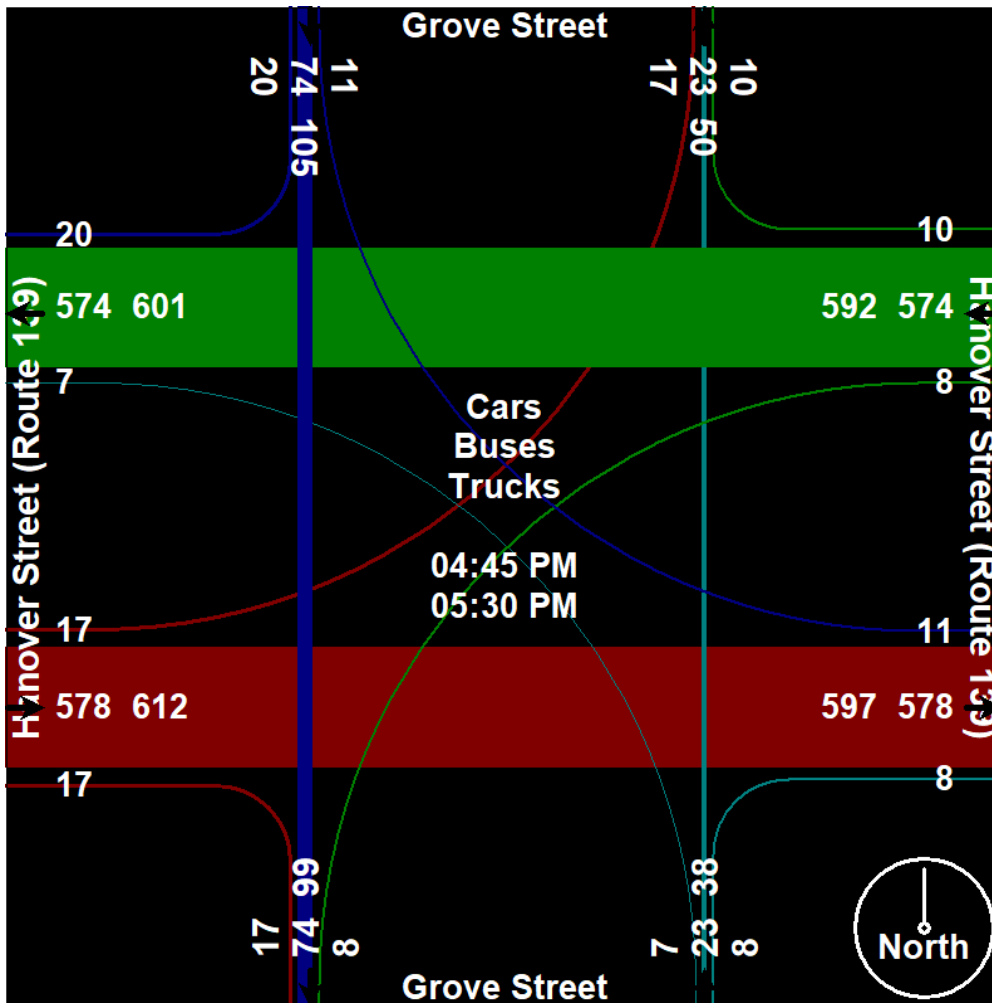


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Community: Hanover
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File Name : Hanover Street (Route 139) & Circuit Street_AM
 Site Code : 122
 Start Date : 11/6/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Circuit Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
07:00 AM	92	17	0	109	39	3	0	42	0	77	0	77	228
07:15 AM	107	27	0	134	33	3	0	36	0	68	0	68	238
07:30 AM	100	18	0	118	46	1	0	47	0	103	0	103	268
07:45 AM	77	23	0	100	52	3	0	55	0	110	0	110	265
Total	376	85	0	461	170	10	0	180	0	358	0	358	999
08:00 AM	108	30	0	138	42	2	0	44	0	106	0	106	288
08:15 AM	79	24	0	103	50	3	0	53	1	97	0	98	254
08:30 AM	82	22	0	104	35	0	0	35	0	96	0	96	235
08:45 AM	77	16	0	93	17	0	0	17	0	107	0	107	217
Total	346	92	0	438	144	5	0	149	1	406	0	407	994
Grand Total	722	177	0	899	314	15	0	329	1	764	0	765	1993
Apprch %	80.3	19.7	0		95.4	4.6	0		0.1	99.9	0		
Total %	36.2	8.9	0	45.1	15.8	0.8	0	16.5	0.1	38.3	0	38.4	
Cars	699	158	0	857	308	14	0	322	0	725	0	725	1904
% Cars	96.8	89.3	0	95.3	98.1	93.3	0	97.9	0	94.9	0	94.8	95.5
Buses	3	9	0	12	3	0	0	3	0	1	0	1	16
% Buses	0.4	5.1	0	1.3	1	0	0	0.9	0	0.1	0	0.1	0.8
Trucks	20	10	0	30	3	1	0	4	1	38	0	39	73
% Trucks	2.8	5.6	0	3.3	1	6.7	0	1.2	100	5	0	5.1	3.7

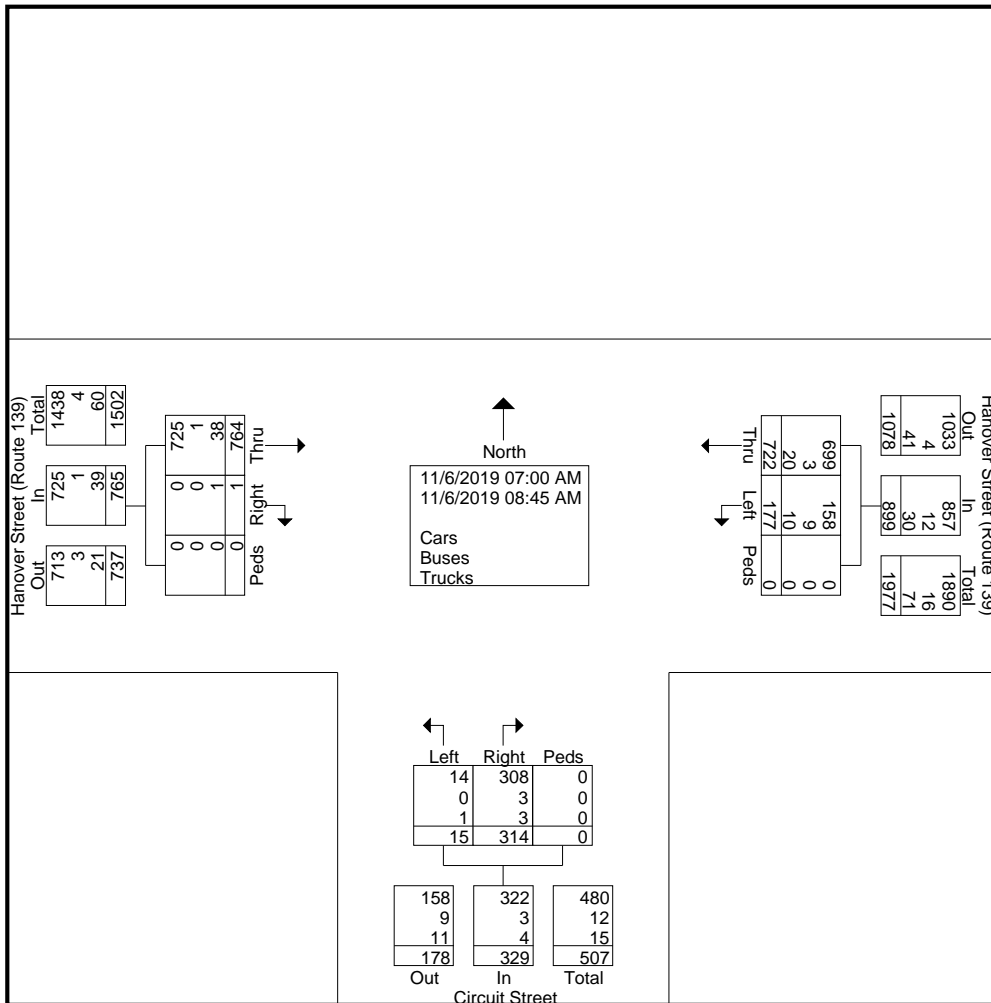


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Community: Hanover
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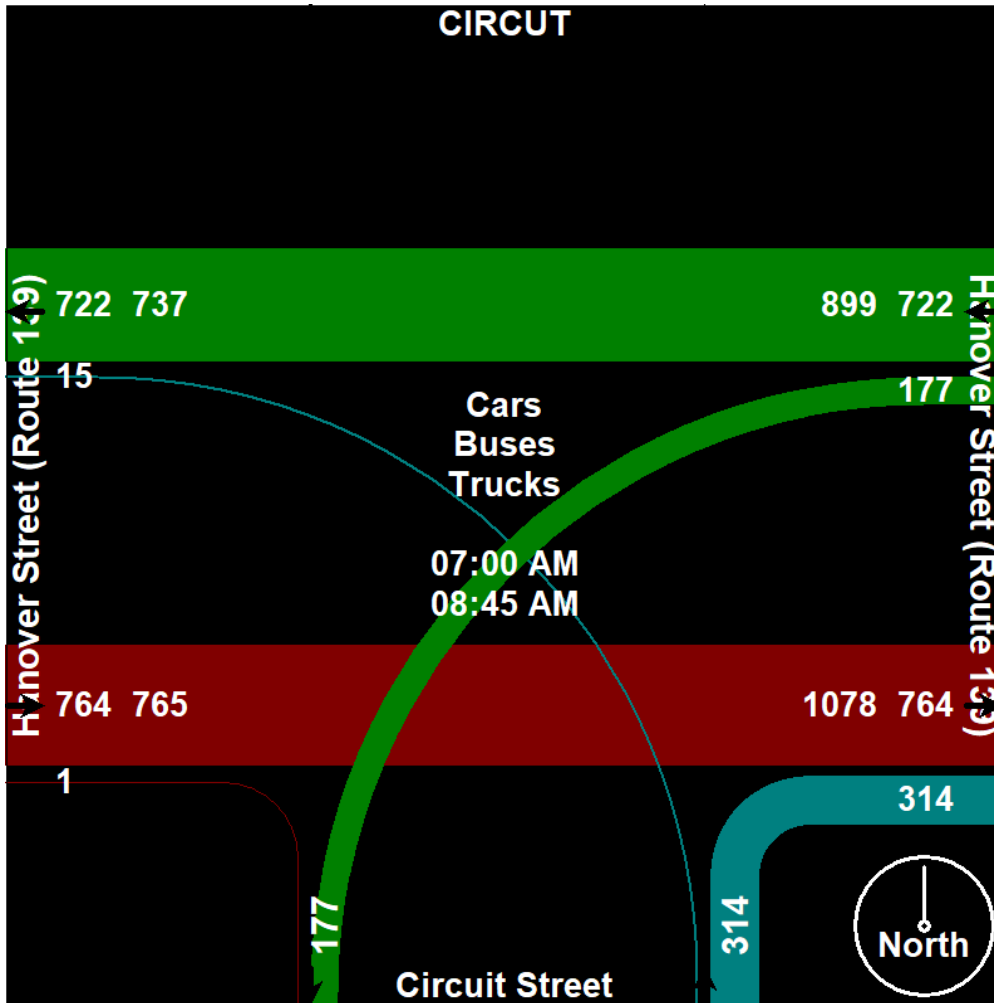


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Start Date : 11/6/2019
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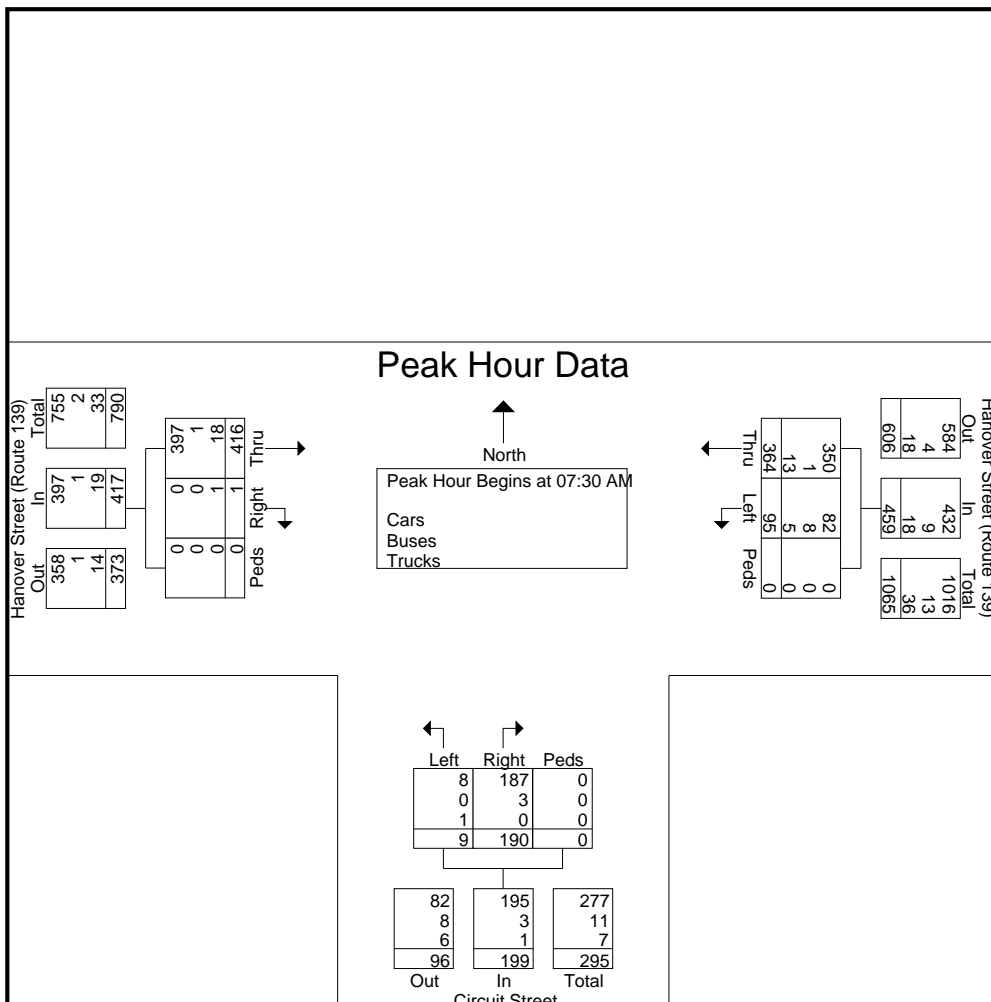
Old Colony Planning Council

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

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

File Name : Hanover Street (Route 139) & Circuit Street_AM
 Site Code : 122
 Start Date : 11/6/2019
 Page No : 4

Start Time	Hanover Street (Route 139) Westbound				Circuit Street Northbound				Hanover Street (Route 139) 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 07:30 AM													
07:30 AM	100	18	0	118	46	1	0	47	0	103	0	103	268
07:45 AM	77	23	0	100	52	3	0	55	0	110	0	110	265
08:00 AM	108	30	0	138	42	2	0	44	0	106	0	106	288
08:15 AM	79	24	0	103	50	3	0	53	1	97	0	98	254
Total Volume	364	95	0	459	190	9	0	199	1	416	0	417	1075
% App. Total	79.3	20.7	0		95.5	4.5	0		0.2	99.8	0		
PHF	.843	.792	.000	.832	.913	.750	.000	.905	.250	.945	.000	.948	.933
Cars	350	82	0	432	187	8	0	195	0	397	0	397	1024
% Cars	96.2	86.3	0	94.1	98.4	88.9	0	98.0	0	95.4	0	95.2	95.3
Buses	1	8	0	9	3	0	0	3	0	1	0	1	13
% Buses	0.3	8.4	0	2.0	1.6	0	0	1.5	0	0.2	0	0.2	1.2
Trucks	13	5	0	18	0	1	0	1	1	18	0	19	38
% Trucks	3.6	5.3	0	3.9	0	11.1	0	0.5	100	4.3	0	4.6	3.5



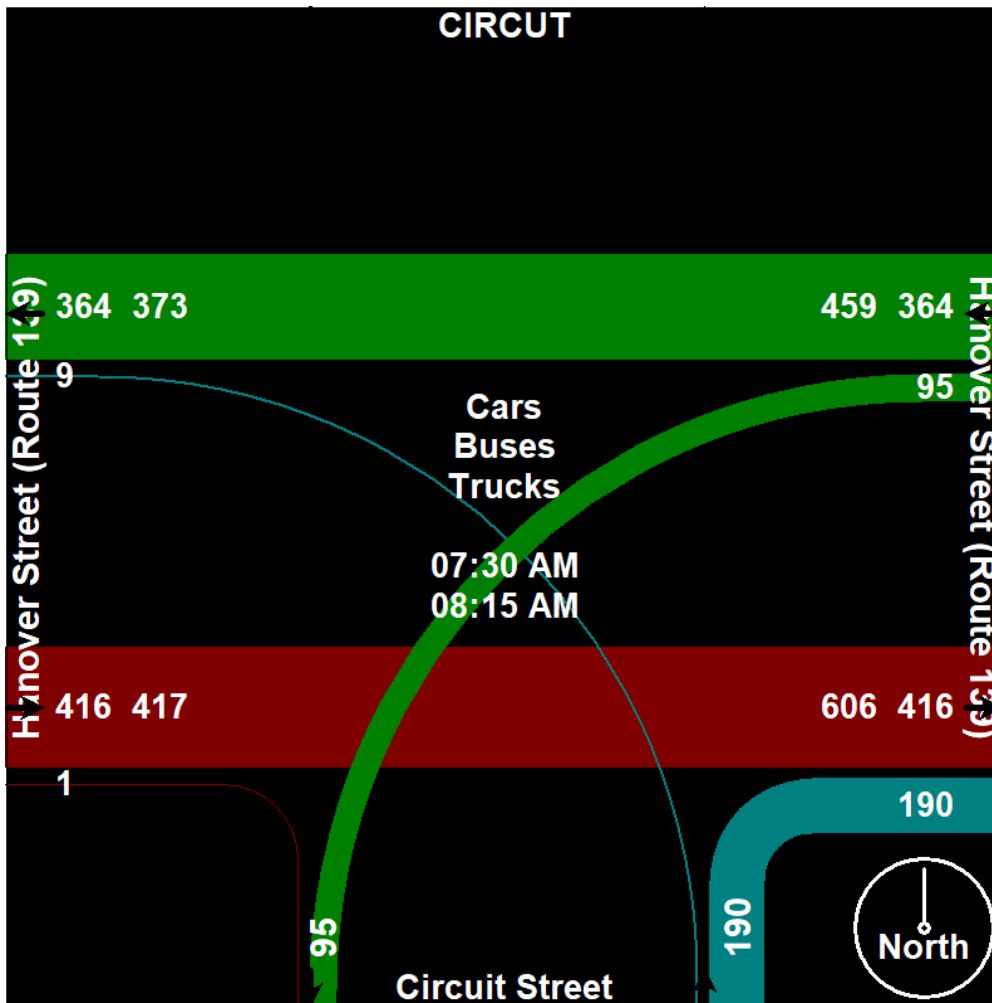


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 Start Date : 12/12/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Circuit Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
04:00 PM	91	33	0	124	37	1	0	38	0	117	0	117	279
04:15 PM	112	23	0	135	25	0	0	25	0	116	0	116	276
04:30 PM	103	42	0	145	42	2	0	44	0	90	0	90	279
04:45 PM	117	41	0	158	40	3	0	43	3	114	0	117	318
Total	423	139	0	562	144	6	0	150	3	437	0	440	1152
05:00 PM	113	46	0	159	57	1	0	58	0	106	0	106	323
05:15 PM	96	37	0	133	58	0	0	58	0	116	0	116	307
05:30 PM	104	37	0	141	38	1	0	39	0	109	0	109	289
05:45 PM	109	47	0	156	61	1	0	62	0	101	0	101	319
Total	422	167	0	589	214	3	0	217	0	432	0	432	1238
Grand Total	845	306	0	1151	358	9	0	367	3	869	0	872	2390
Apprch %	73.4	26.6	0		97.5	2.5	0		0.3	99.7	0		
Total %	35.4	12.8	0	48.2	15	0.4	0	15.4	0.1	36.4	0	36.5	
Cars	818	290	0	1108	348	9	0	357	3	862	0	865	2330
% Cars	96.8	94.8	0	96.3	97.2	100	0	97.3	100	99.2	0	99.2	97.5
Buses	2	3	0	5	1	0	0	1	0	0	0	0	6
% Buses	0.2	1	0	0.4	0.3	0	0	0.3	0	0	0	0	0.3
Trucks	25	13	0	38	9	0	0	9	0	7	0	7	54
% Trucks	3	4.2	0	3.3	2.5	0	0	2.5	0	0.8	0	0.8	2.3

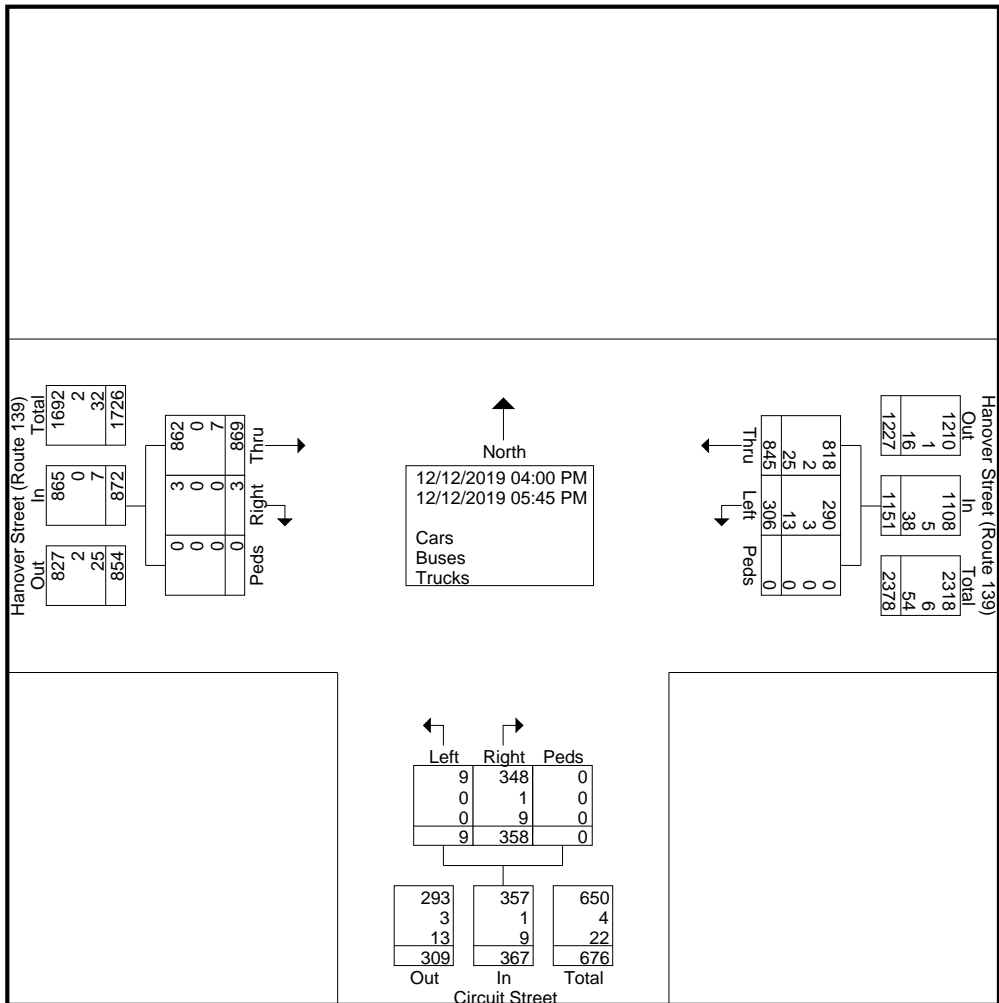


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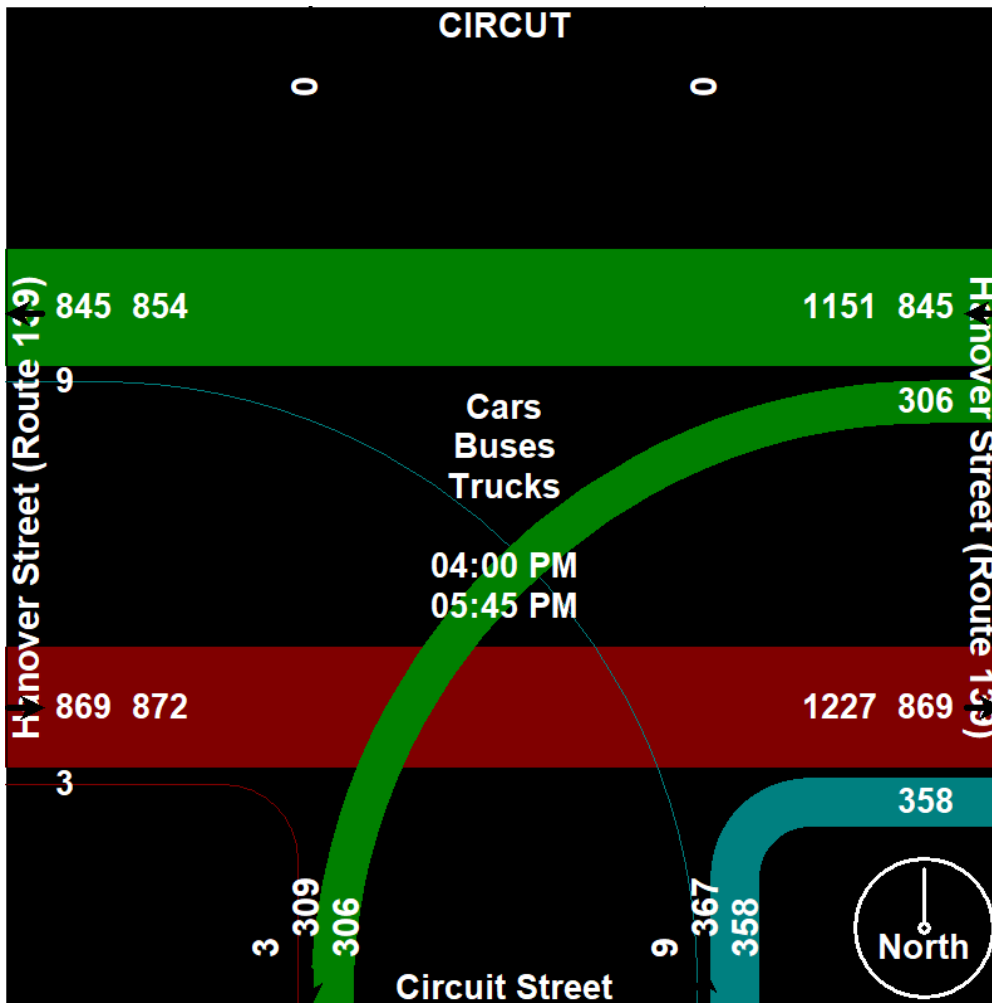


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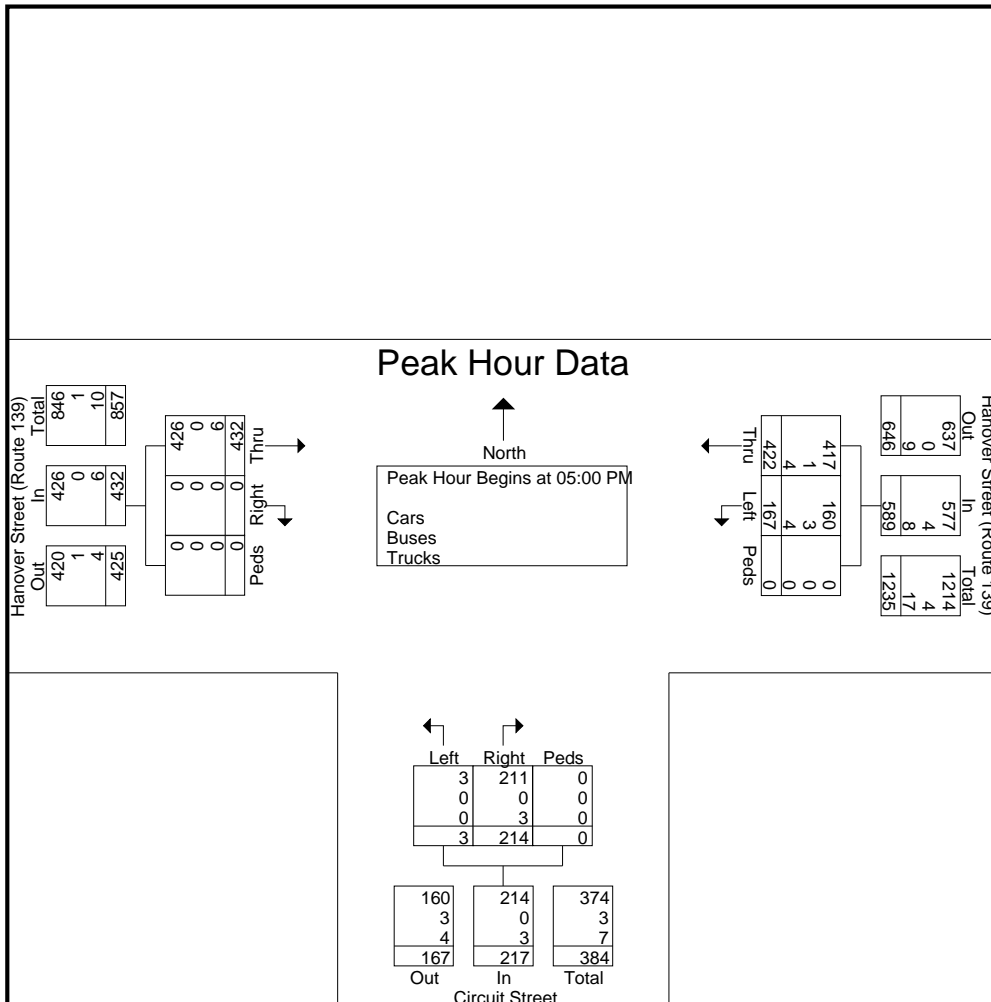
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	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 05:00 PM													
05:00 PM	113	46	0	159	57	1	0	58	0	106	0	106	323
05:15 PM	96	37	0	133	58	0	0	58	0	116	0	116	307
05:30 PM	104	37	0	141	38	1	0	39	0	109	0	109	289
05:45 PM	109	47	0	156	61	1	0	62	0	101	0	101	319
Total Volume	422	167	0	589	214	3	0	217	0	432	0	432	1238
% App. Total	71.6	28.4	0		98.6	1.4	0		0	100	0		
PHF	.934	.888	.000	.926	.877	.750	.000	.875	.000	.931	.000	.931	.958
Cars	417	160	0	577	211	3	0	214	0	426	0	426	1217
% Cars	98.8	95.8	0	98.0	98.6	100	0	98.6	0	98.6	0	98.6	98.3
Buses	1	3	0	4	0	0	0	0	0	0	0	0	4
% Buses	0.2	1.8	0	0.7	0	0	0	0	0	0	0	0	0.3
Trucks	4	4	0	8	3	0	0	3	0	6	0	6	17
% Trucks	0.9	2.4	0	1.4	1.4	0	0	1.4	0	1.4	0	1.4	1.4



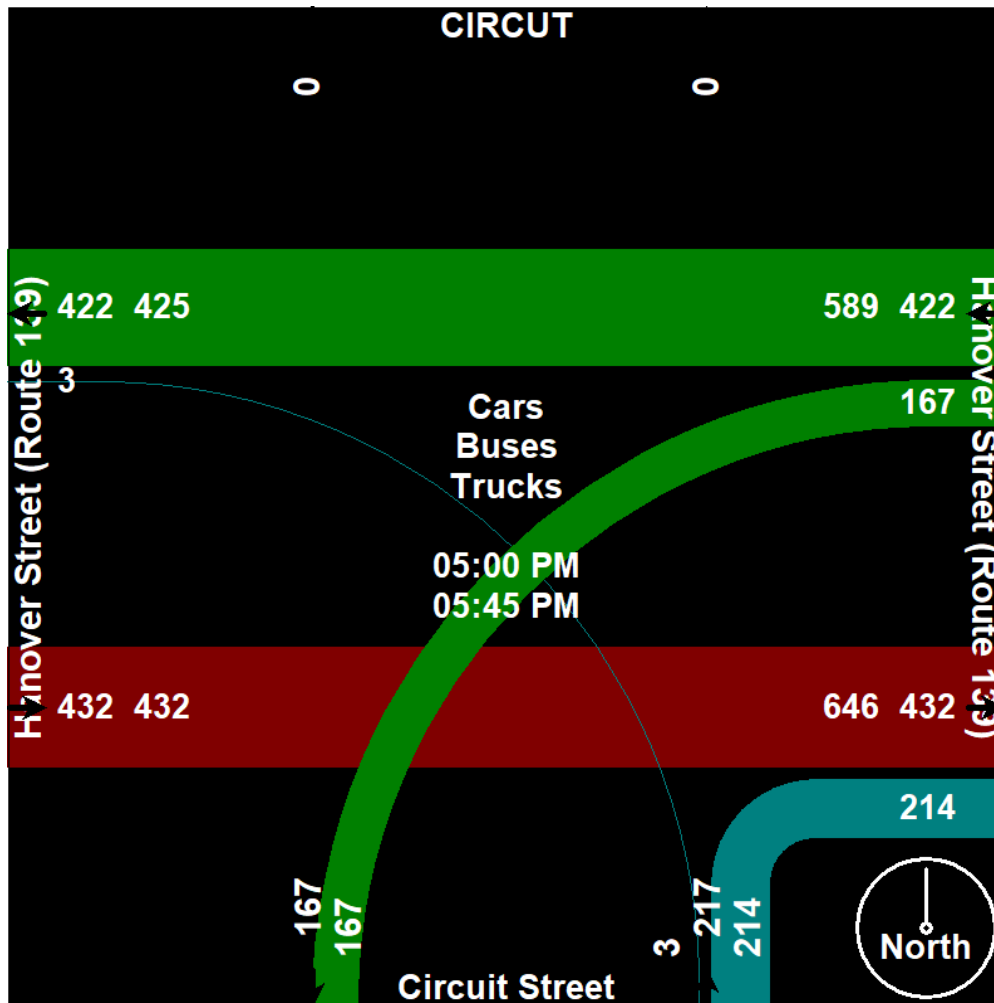


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Community: Hanover
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 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Center Street_AM
 Site Code : 122
 Start Date : 12/5/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Center Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
07:00 AM	84	15	0	99	47	4	0	51	3	105	0	108	258
07:15 AM	111	20	0	131	71	1	0	72	2	107	0	109	312
07:30 AM	102	21	0	123	83	0	0	83	3	123	0	126	332
07:45 AM	83	21	0	104	89	1	0	90	3	152	0	155	349
Total	380	77	0	457	290	6	0	296	11	487	0	498	1251
08:00 AM	107	25	0	132	71	2	0	73	2	143	0	145	350
08:15 AM	126	30	0	156	69	1	0	70	2	187	0	189	415
08:30 AM	105	37	0	142	61	2	0	63	2	117	0	119	324
08:45 AM	75	28	0	103	57	7	0	64	2	146	0	148	315
Total	413	120	0	533	258	12	0	270	8	593	0	601	1404
Grand Total	793	197	0	990	548	18	0	566	19	1080	0	1099	2655
Apprch %	80.1	19.9	0		96.8	3.2	0		1.7	98.3	0		
Total %	29.9	7.4	0	37.3	20.6	0.7	0	21.3	0.7	40.7	0	41.4	
Cars	730	184	0	914	523	16	0	539	19	1019	0	1038	2491
% Cars	92.1	93.4	0	92.3	95.4	88.9	0	95.2	100	94.4	0	94.4	93.8
Buses	29	3	0	32	8	0	0	8	0	14	0	14	54
% Buses	3.7	1.5	0	3.2	1.5	0	0	1.4	0	1.3	0	1.3	2
Trucks	34	10	0	44	17	2	0	19	0	47	0	47	110
% Trucks	4.3	5.1	0	4.4	3.1	11.1	0	3.4	0	4.4	0	4.3	4.1

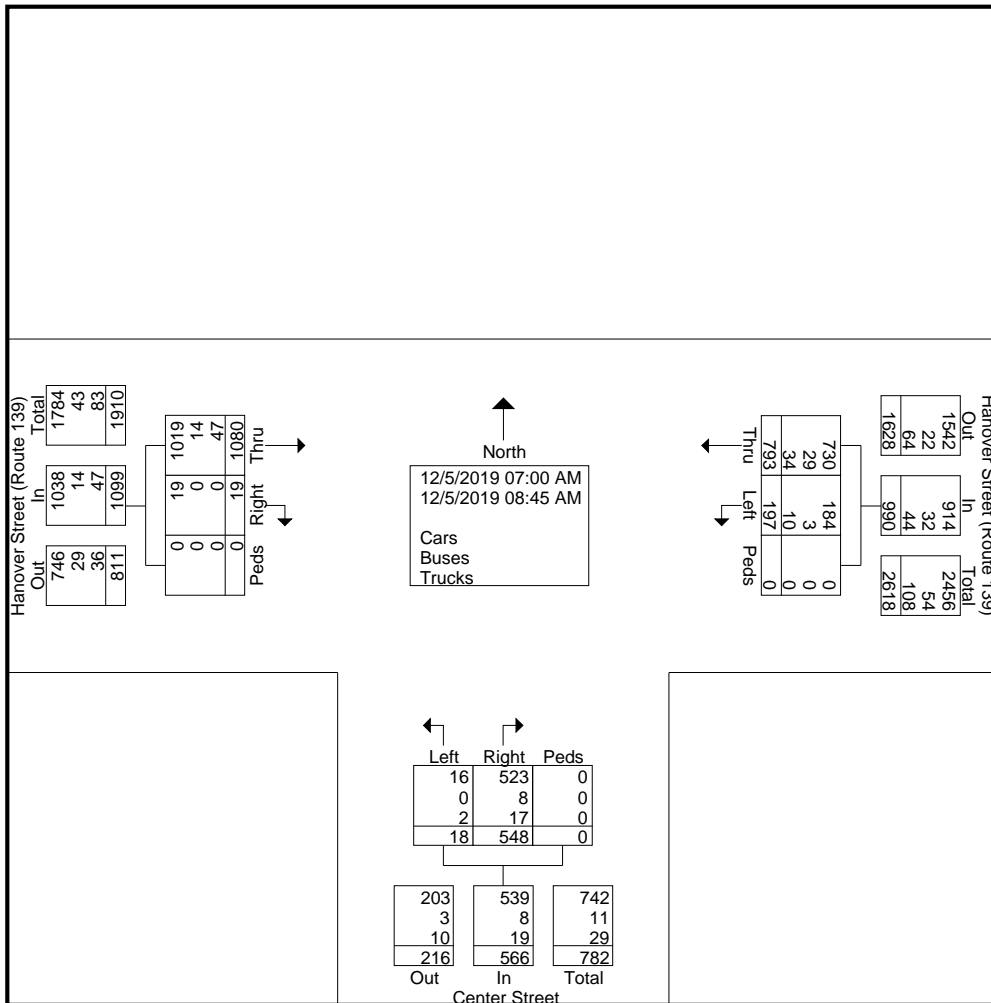


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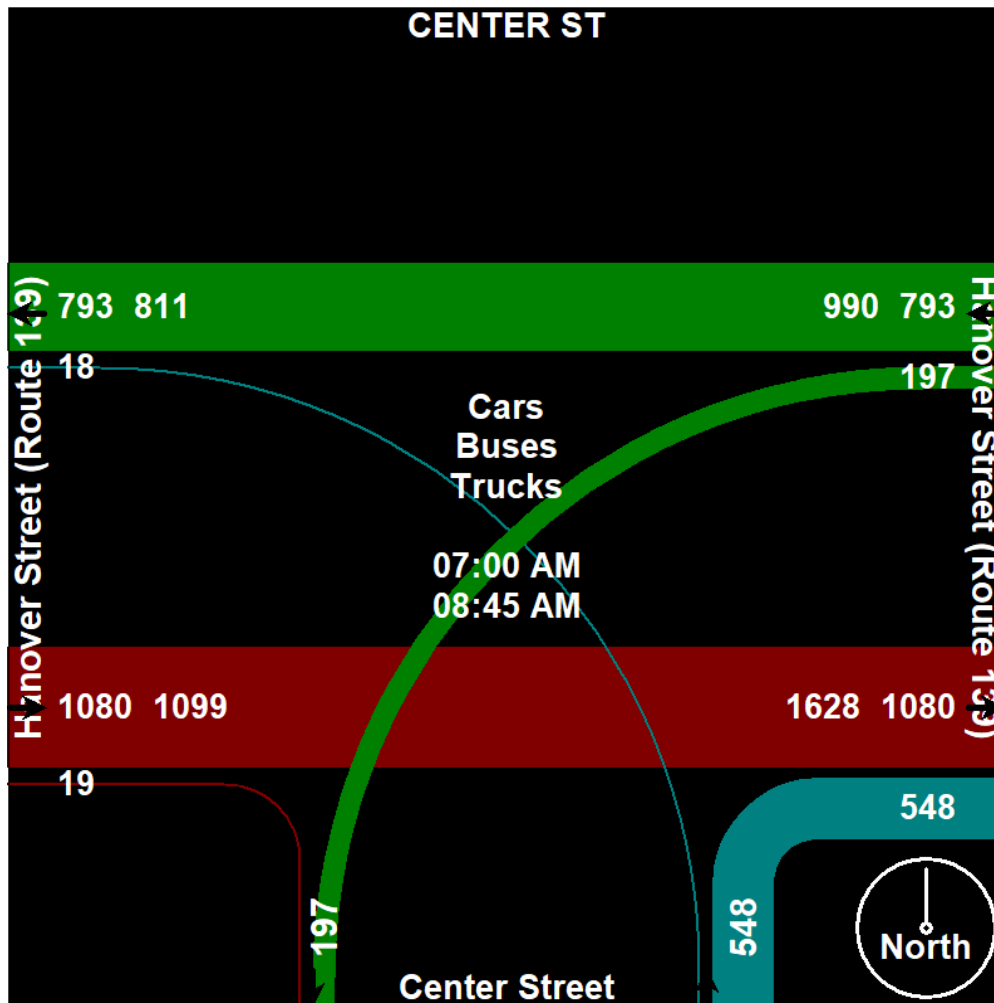


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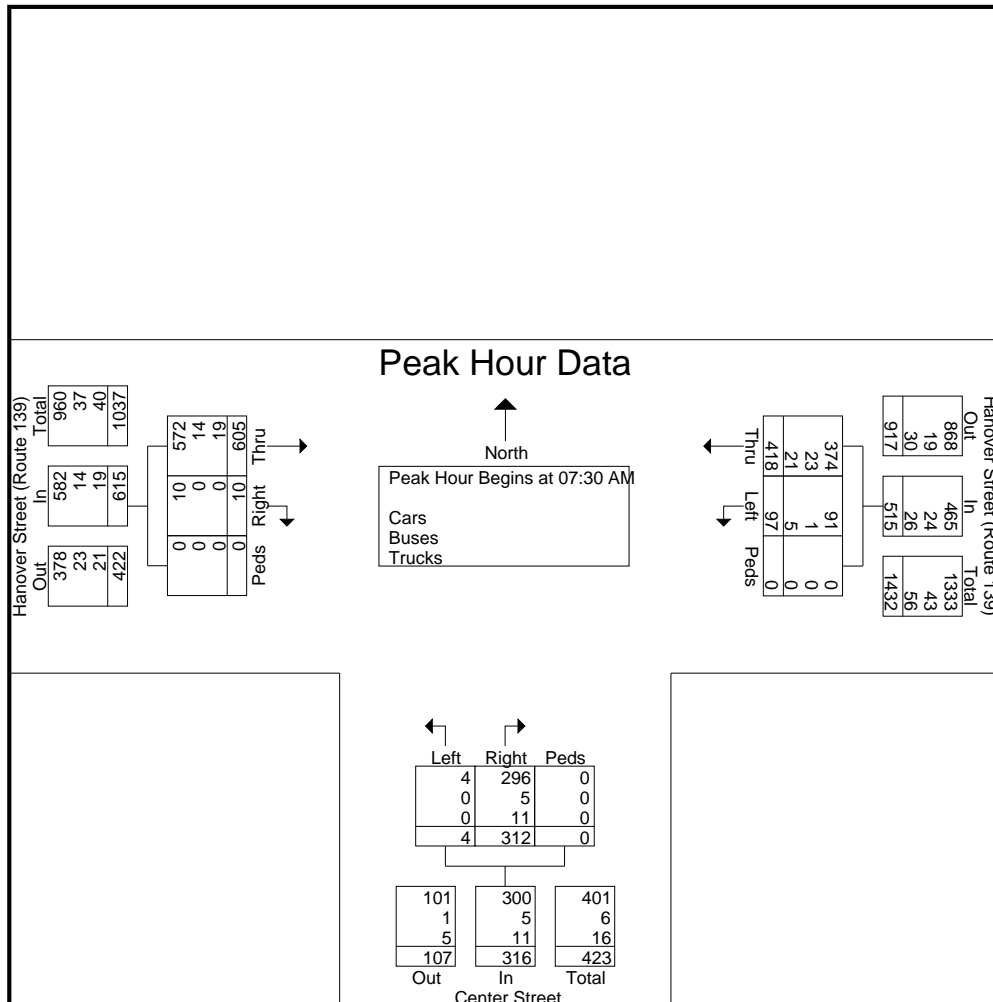
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 Page No : 4

Start Time	Hanover Street (Route 139) Westbound				Center Street Northbound				Hanover Street (Route 139) 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 07:30 AM													
07:30 AM	102	21	0	123	83	0	0	83	3	123	0	126	332
07:45 AM	83	21	0	104	89	1	0	90	3	152	0	155	349
08:00 AM	107	25	0	132	71	2	0	73	2	143	0	145	350
08:15 AM	126	30	0	156	69	1	0	70	2	187	0	189	415
Total Volume	418	97	0	515	312	4	0	316	10	605	0	615	1446
% App. Total	81.2	18.8	0		98.7	1.3	0		1.6	98.4	0		
PHF	.829	.808	.000	.825	.876	.500	.000	.878	.833	.809	.000	.813	.871
Cars	374	91	0	465	296	4	0	300	10	572	0	582	1347
% Cars	89.5	93.8	0	90.3	94.9	100	0	94.9	100	94.5	0	94.6	93.2
Buses	23	1	0	24	5	0	0	5	0	14	0	14	43
% Buses	5.5	1.0	0	4.7	1.6	0	0	1.6	0	2.3	0	2.3	3.0
Trucks	21	5	0	26	11	0	0	11	0	19	0	19	56
% Trucks	5.0	5.2	0	5.0	3.5	0	0	3.5	0	3.1	0	3.1	3.9



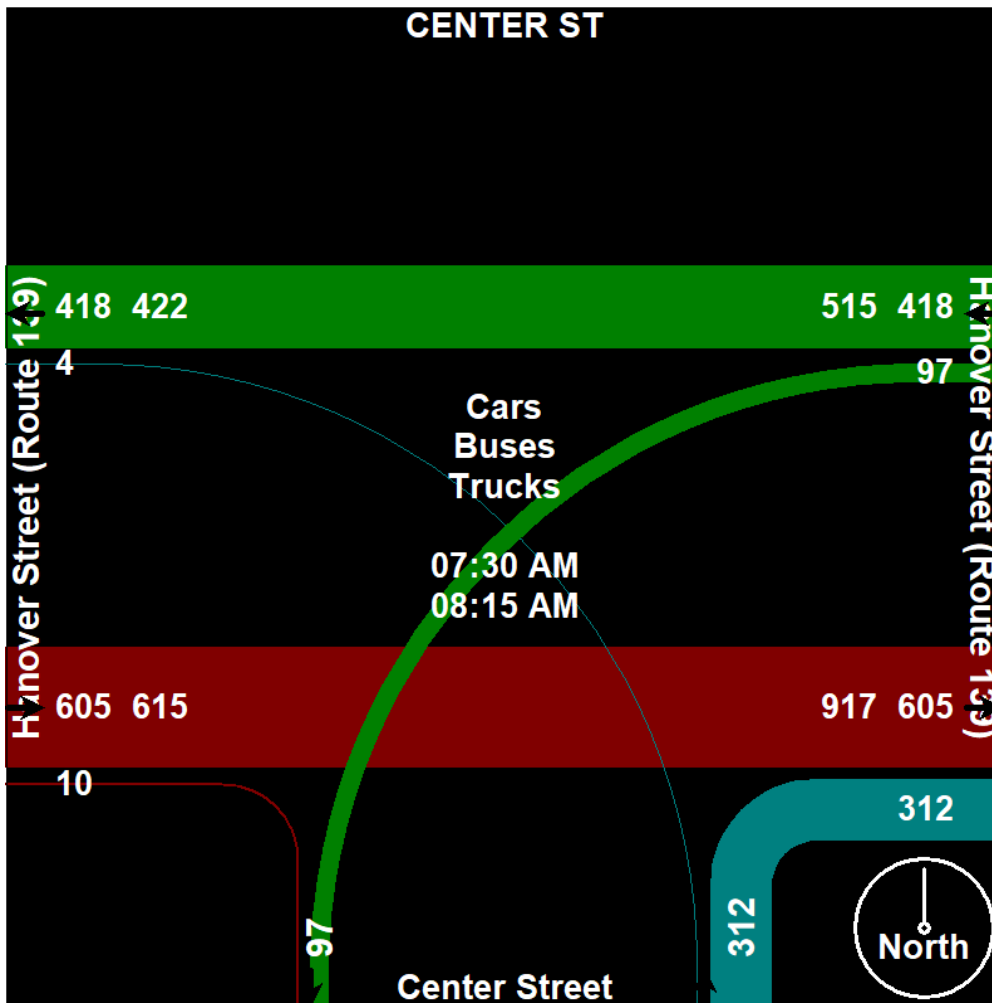


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 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Center Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
04:00 PM	151	88	0	239	48	4	1	53	3	123	0	126	418
04:15 PM	149	77	0	226	41	0	0	41	3	144	0	147	414
04:30 PM	166	85	0	251	48	4	1	53	3	125	0	128	432
04:45 PM	145	88	0	233	37	2	1	40	4	122	0	126	399
Total	611	338	0	949	174	10	3	187	13	514	0	527	1663
05:00 PM	141	99	0	240	32	1	0	33	3	139	0	142	415
05:15 PM	151	90	0	241	33	0	1	34	1	151	0	152	427
05:30 PM	151	98	0	249	36	2	0	38	3	154	0	157	444
05:45 PM	111	73	0	184	48	0	0	48	1	134	0	135	367
Total	554	360	0	914	149	3	1	153	8	578	0	586	1653
Grand Total	1165	698	0	1863	323	13	4	340	21	1092	0	1113	3316
Apprch %	62.5	37.5	0		95	3.8	1.2		1.9	98.1	0		
Total %	35.1	21	0	56.2	9.7	0.4	0.1	10.3	0.6	32.9	0	33.6	
Cars	1133	684	0	1817	320	12	0	332	20	1073	0	1093	3242
% Cars	97.3	98	0	97.5	99.1	92.3	0	97.6	95.2	98.3	0	98.2	97.8
Buses	7	1	0	8	0	0	2	2	0	4	0	4	14
% Buses	0.6	0.1	0	0.4	0	0	50	0.6	0	0.4	0	0.4	0.4
Trucks	25	13	0	38	3	1	2	6	1	15	0	16	60
% Trucks	2.1	1.9	0	2	0.9	7.7	50	1.8	4.8	1.4	0	1.4	1.8

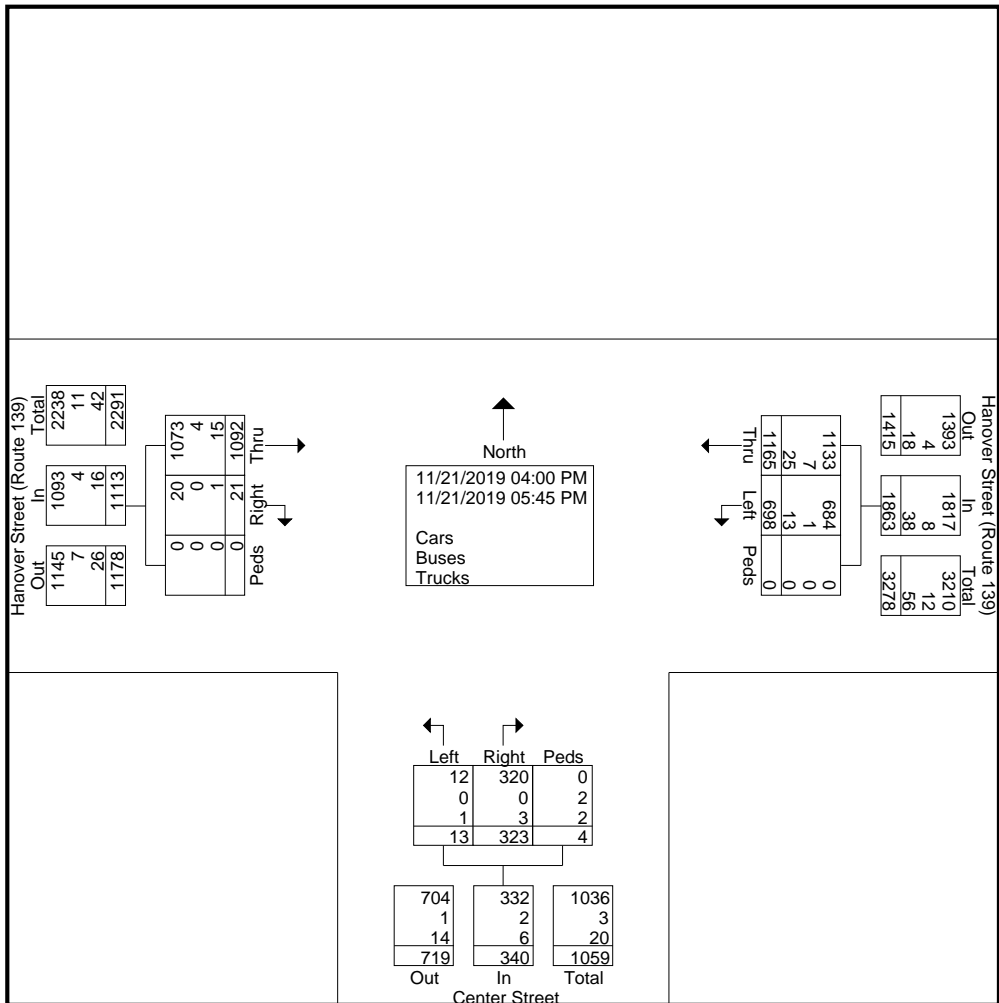


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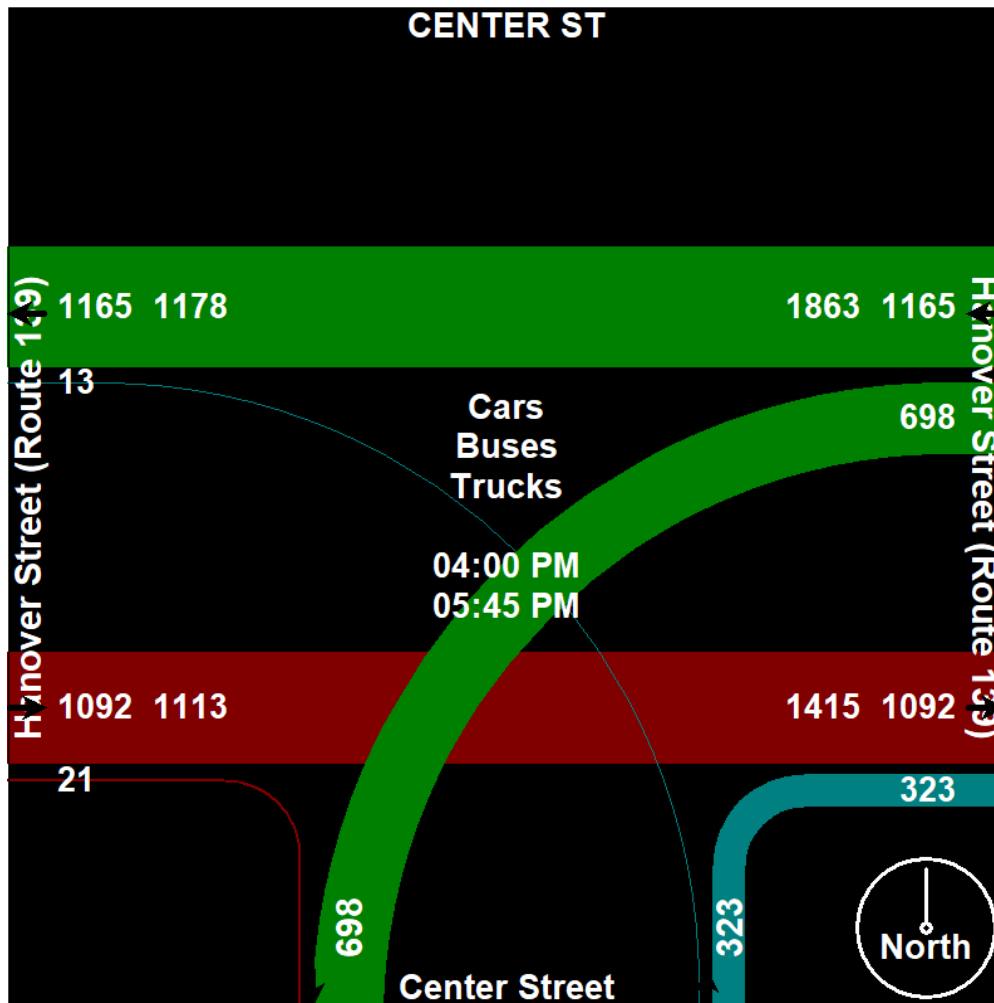


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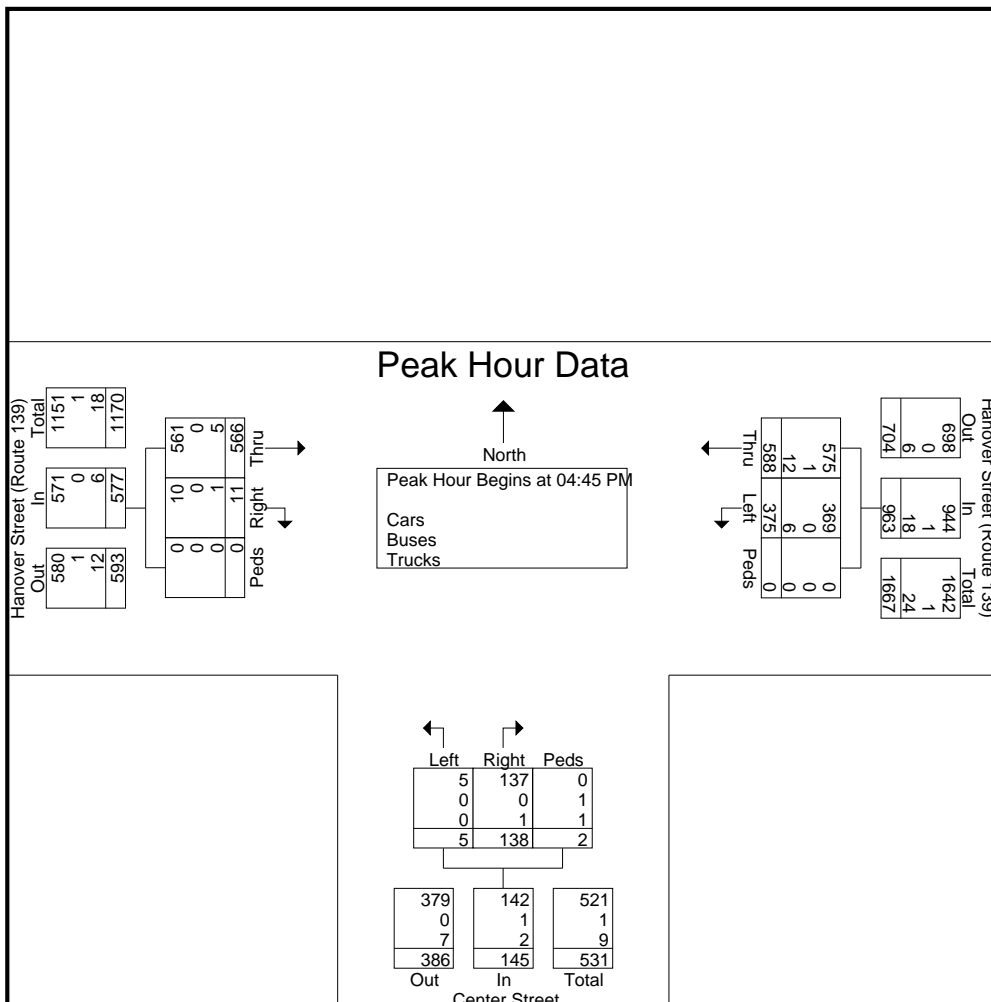
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	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	145	88	0	233	37	2	1	40	4	122	0	126	399
05:00 PM	141	99	0	240	32	1	0	33	3	139	0	142	415
05:15 PM	151	90	0	241	33	0	1	34	1	151	0	152	427
05:30 PM	151	98	0	249	36	2	0	38	3	154	0	157	444
Total Volume	588	375	0	963	138	5	2	145	11	566	0	577	1685
% App. Total	61.1	38.9	0		95.2	3.4	1.4		1.9	98.1	0		
PHF	.974	.947	.000	.967	.932	.625	.500	.906	.688	.919	.000	.919	.949
Cars	575	369	0	944	137	5	0	142	10	561	0	571	1657
% Cars	97.8	98.4	0	98.0	99.3	100	0	97.9	90.9	99.1	0	99.0	98.3
Buses	1	0	0	1	0	0	1	1	0	0	0	0	2
% Buses	0.2	0	0	0.1	0	0	50.0	0.7	0	0	0	0	0.1
Trucks	12	6	0	18	1	0	1	2	1	5	0	6	26
% Trucks	2.0	1.6	0	1.9	0.7	0	50.0	1.4	9.1	0.9	0	1.0	1.5



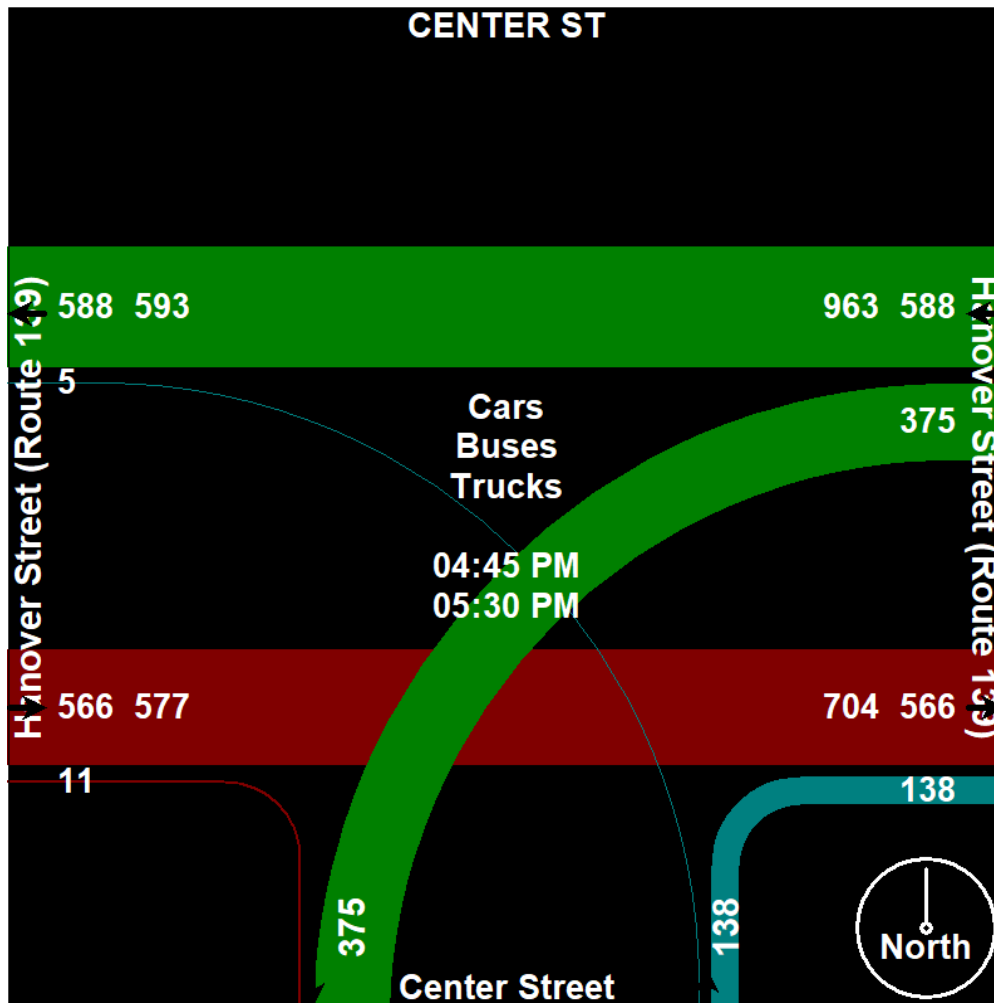


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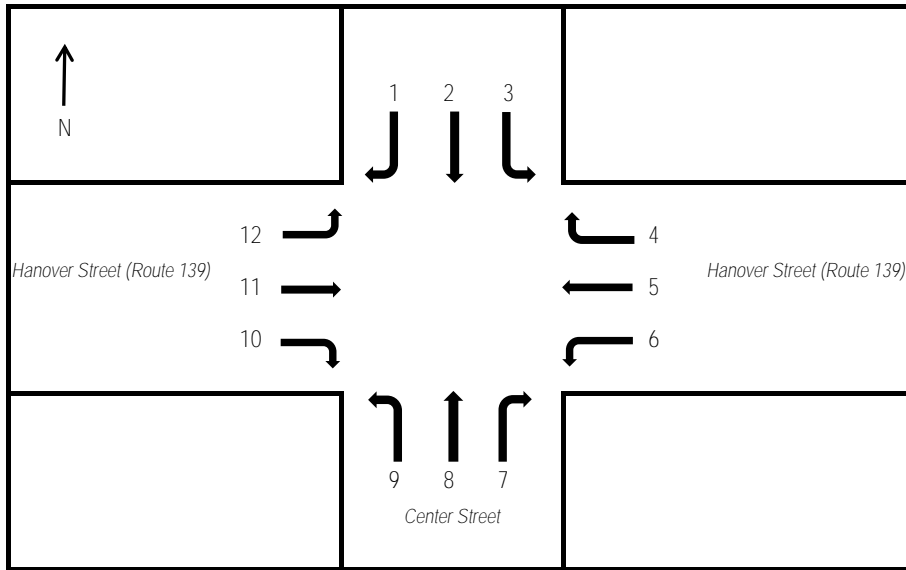
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Old Colony Planning Council Intersection Bicycle Directional Counting Field Sheet

Community: Hanover, MA
 Street: Hanover Street (Route 139)
 Location: @ Center Street (South Approach)
 Weather: Clear Board #: DB-400 (4) Staff: SB Date: 11/21/2019



Interval	1	2	3	4	5	6	7	8	9	10	11	12
4:00 PM - 4:15 PM							1					
4:15 PM - 4:30 PM												
4:30 PM - 4:45 PM												
4:45 PM - 5:00 PM												
5:00 PM - 5:15 PM												
5:15 PM - 5:30 PM												
5:30 PM - 5:45 PM												
5:45 PM - 6:00 PM												
Total	0	0	0	0	0	0	1	0	0	0	0	0

Comments:



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

File Name : Hanover Street (Route 139) & Center Street_Town Hall Driveway_AM
 Site Code : 122
 Start Date : 11/20/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Center Street Southbound					Hanover Street (Route 139) Westbound					Town Hall Driveway Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	5	0	5	0	10	1	92	2	1	96	3	0	0	1	4	1	136	22	0	159	269
07:15 AM	5	0	2	0	7	0	130	0	0	130	0	0	0	0	0	0	159	20	0	179	316
07:30 AM	5	0	7	1	13	1	131	1	0	133	2	0	1	0	3	1	166	25	0	192	341
07:45 AM	8	0	7	0	15	0	106	2	0	108	0	0	0	0	0	1	186	29	0	216	339
Total	23	0	21	1	45	2	459	5	1	467	5	0	1	1	7	3	647	96	0	746	1265
08:00 AM	11	0	7	0	18	0	120	0	0	120	0	0	0	0	0	1	187	12	0	200	338
08:15 AM	14	0	12	1	27	2	128	1	0	131	2	0	0	0	2	1	205	18	0	224	384
08:30 AM	8	0	2	0	10	0	105	2	0	107	0	0	0	0	0	0	171	14	0	185	302
08:45 AM	6	0	12	0	18	0	83	0	0	83	1	0	0	0	1	0	187	17	0	204	306
Total	39	0	33	1	73	2	436	3	0	441	3	0	0	0	3	2	750	61	0	813	1330
Grand Total	62	0	54	2	118	4	895	8	1	908	8	0	1	1	10	5	1397	157	0	1559	2595
Apprch %	52.5	0	45.8	1.7		0.4	98.6	0.9	0.1		80	0	10	10		0.3	89.6	10.1	0		
Total %	2.4	0	2.1	0.1	4.5	0.2	34.5	0.3	0	35	0.3	0	0	0	0.4	0.2	53.8	6.1	0	60.1	
Cars	59	0	52	0	111	4	815	8	0	827	7	0	1	0	8	4	1314	152	0	1470	2416
% Cars	95.2	0	96.3	0	94.1	100	91.1	100	0	91.1	87.5	0	100	0	80	80	94.1	96.8	0	94.3	93.1
Buses	3	0	2	1	6	0	29	0	0	29	1	0	0	0	1	1	18	4	0	23	59
% Buses	4.8	0	3.7	50	5.1	0	3.2	0	0	3.2	12.5	0	0	0	10	20	1.3	2.5	0	1.5	2.3
Trucks	0	0	0	1	1	0	51	0	1	52	0	0	0	1	1	0	65	1	0	66	120
% Trucks	0	0	0	50	0.8	0	5.7	0	100	5.7	0	0	0	100	10	0	4.7	0.6	0	4.2	4.6

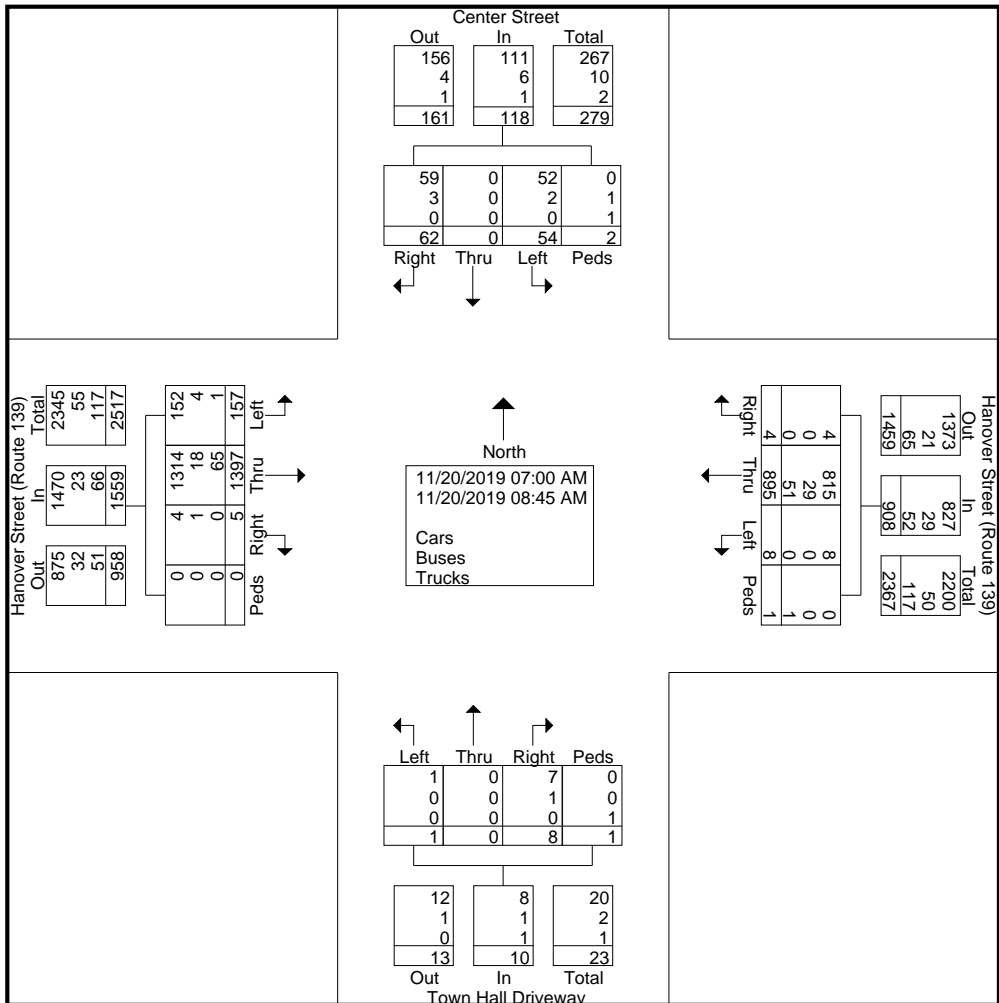


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 Traffic Control: Stop Sign

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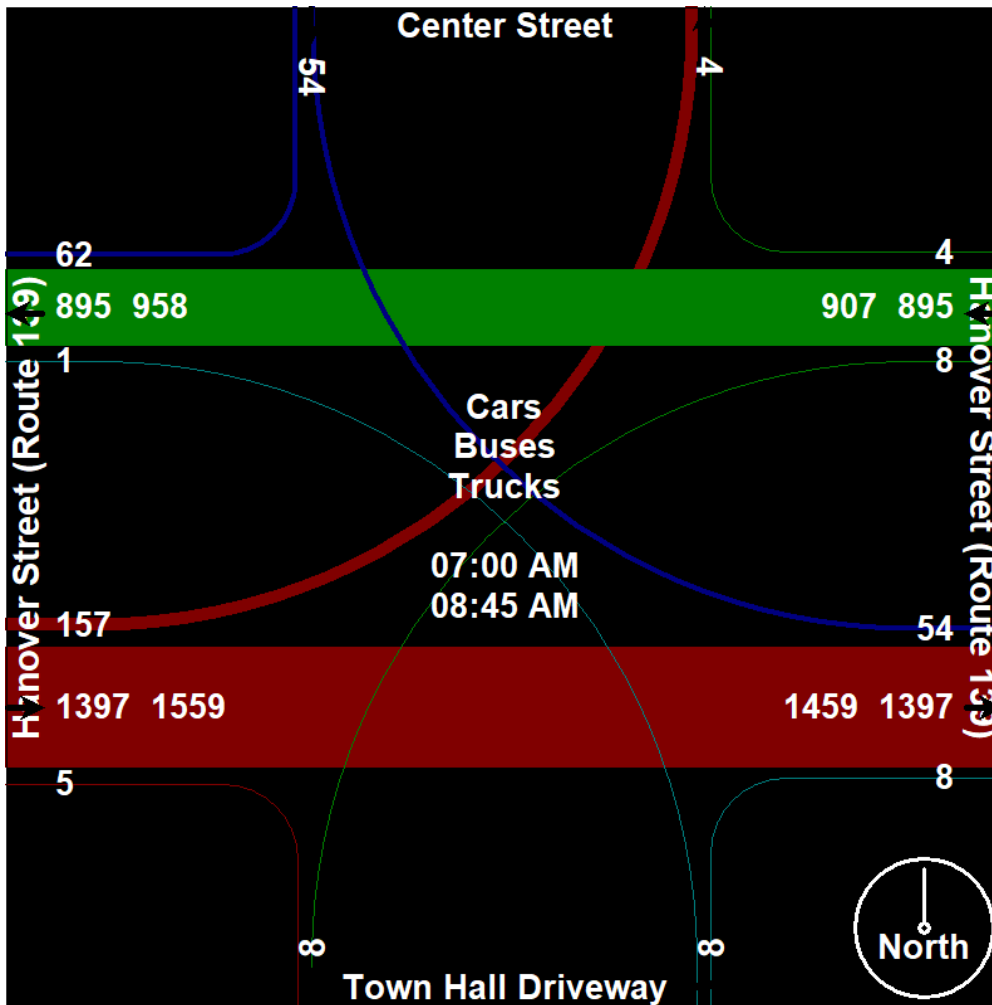


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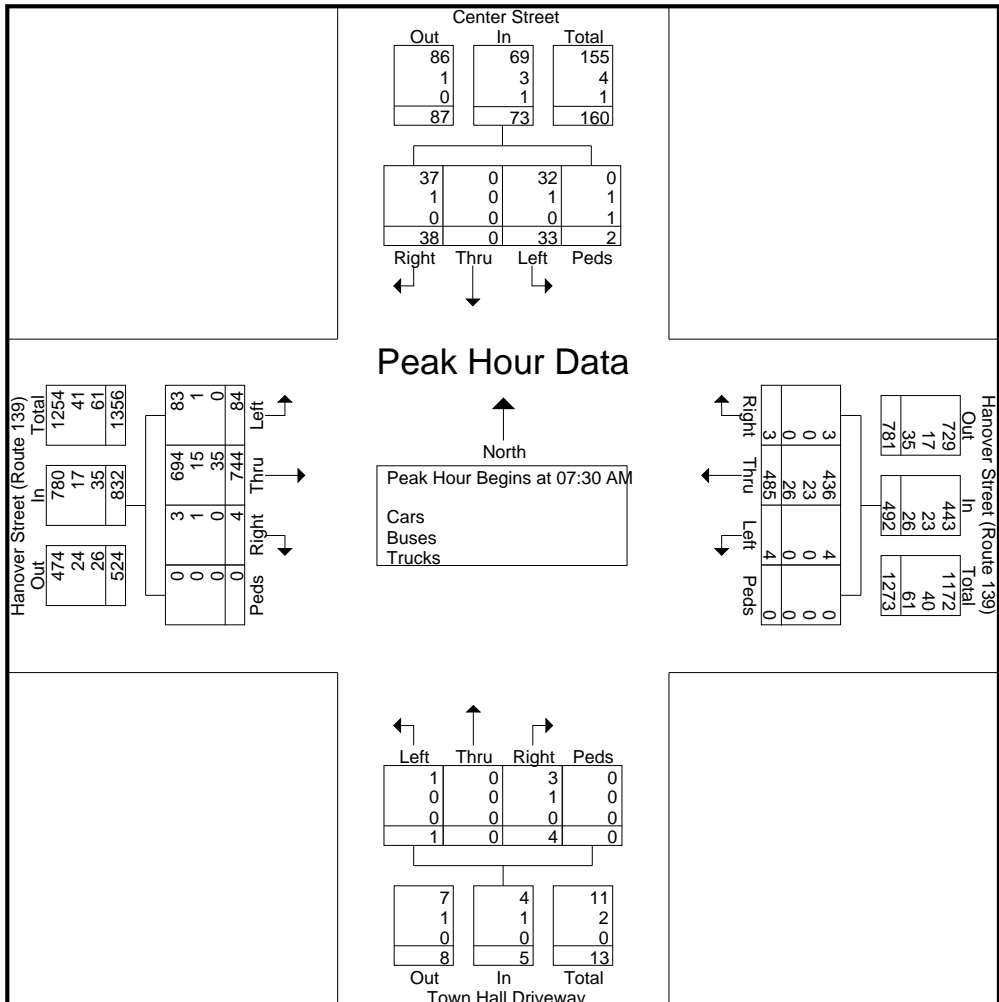
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Start Time	Center Street Southbound					Hanover Street (Route 139) Westbound					Town Hall Driveway Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:30 AM																						
07:30 AM	5	0	7	1	13	1	131	1	0	133	2	0	1	0	3	1	166	25	0	192	341	
07:45 AM	8	0	7	0	15	0	106	2	0	108	0	0	0	0	0	1	186	29	0	216	339	
08:00 AM	11	0	7	0	18	0	120	0	0	120	0	0	0	0	0	1	187	12	0	200	338	
08:15 AM	14	0	12	1	27	2	128	1	0	131	2	0	0	0	2	1	205	18	0	224	384	
Total Volume	38	0	33	2	73	3	485	4	0	492	4	0	1	0	5	4	744	84	0	832	1402	
% App. Total	52.1	0	45.2	2.7		0.6	98.6	0.8	0		80	0	20	0		0.5	89.4	10.1	0			
PHF	.679	.000	.688	.500	.676	.375	.926	.500	.000	.925	.500	.000	.250	.000	.417	1.00	.907	.724	.000	.929	.913	
Cars	37	0	32	0	69	3	436	4	0	443	3	0	1	0	4	3	694	83	0	780	1296	
% Cars	97.4	0	97.0	0	94.5	100	89.9	100	0	90.0	75.0	0	100	0	80.0	75.0	93.3	98.8	0	93.8	92.4	
Buses	1	0	1	1	3	0	23	0	0	23	1	0	0	0	1	1	15	1	0	17	44	
% Buses	2.6	0	3.0	50.0	4.1	0	4.7	0	0	4.7	25.0	0	0	0	20.0	25.0	2.0	1.2	0	2.0	3.1	
Trucks	0	0	0	1	1	0	26	0	0	26	0	0	0	0	0	0	35	0	0	35	62	
% Trucks	0	0	0	50.0	1.4	0	5.4	0	0	5.3	0	0	0	0	0	0	4.7	0	0	4.2	4.4	



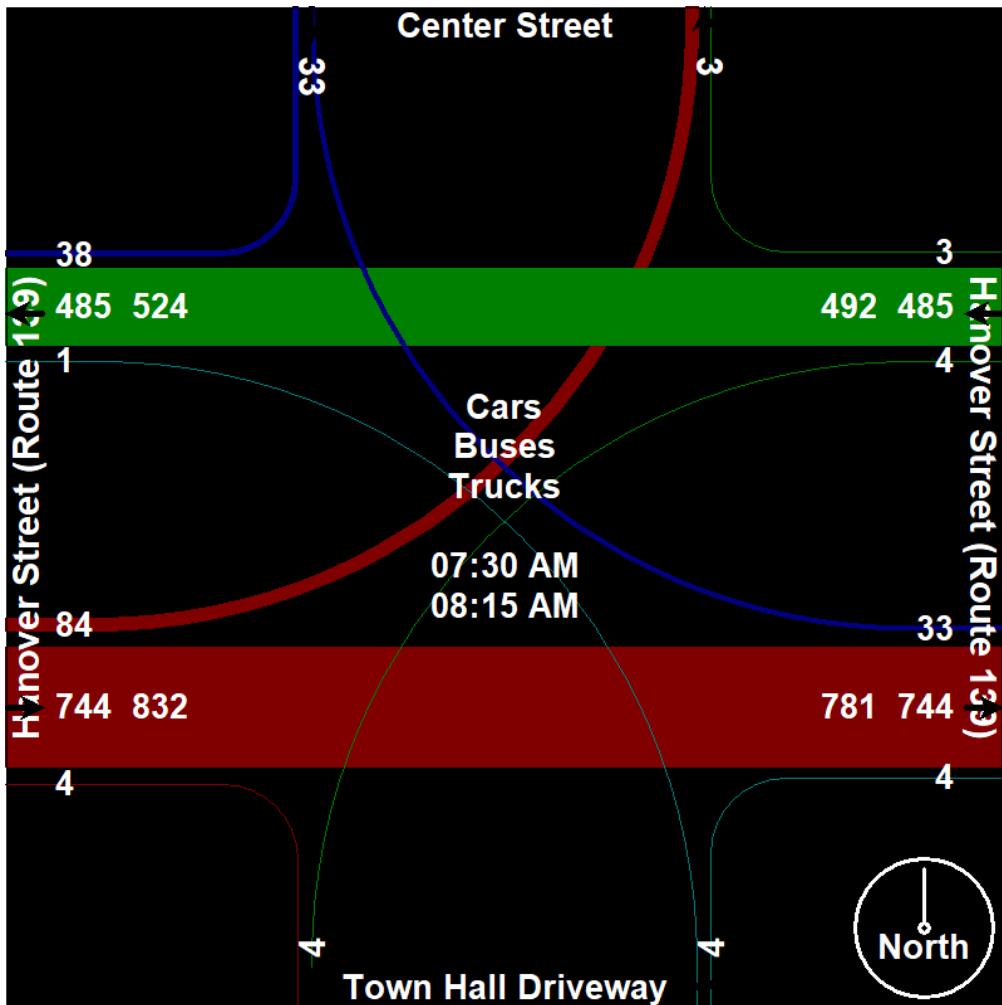


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Groups Printed- Cars - Buses - Trucks

Start Time	Center Street Southbound					Hanover Street (Route 139) Westbound					Town Hall Driveway Northbound					Hanover Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	32	0	21	0	53	0	180	0	0	180	1	0	0	0	1	1	177	9	0	187	421
04:15 PM	26	0	17	0	43	1	196	1	0	198	1	0	0	0	1	0	178	15	0	193	435
04:30 PM	35	0	13	0	48	0	190	0	0	190	1	0	0	0	1	0	164	10	0	174	413
04:45 PM	34	0	13	0	47	1	179	0	0	180	0	0	0	0	0	1	163	13	0	177	404
Total	127	0	64	0	191	2	745	1	0	748	3	0	0	0	3	2	682	47	0	731	1673
05:00 PM	26	0	11	0	37	0	224	0	0	224	0	0	0	0	0	1	150	11	0	162	423
05:15 PM	30	0	22	0	52	0	196	0	0	196	0	0	0	0	0	0	168	6	0	174	422
05:30 PM	27	1	11	0	39	1	168	0	0	169	0	0	1	0	1	0	147	6	0	153	362
05:45 PM	22	0	7	0	29	0	169	0	0	169	0	0	0	0	0	0	161	15	0	176	374
Total	105	1	51	0	157	1	757	0	0	758	0	0	1	0	1	1	626	38	0	665	1581
Grand Total	232	1	115	0	348	3	1502	1	0	1506	3	0	1	0	4	3	1308	85	0	1396	3254
Apprch %	66.7	0.3	33	0		0.2	99.7	0.1	0		75	0	25	0		0.2	93.7	6.1	0		
Total %	7.1	0	3.5	0	10.7	0.1	46.2	0	0	46.3	0.1	0	0	0	0.1	0.1	40.2	2.6	0	42.9	
Cars	230	1	112	0	343	3	1454	1	0	1458	3	0	1	0	4	3	1284	84	0	1371	3176
% Cars	99.1	100	97.4	0	98.6	100	96.8	100	0	96.8	100	0	100	0	100	100	98.2	98.8	0	98.2	97.6
Buses	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	0	3	0	0	3	17
% Buses	0	0	0	0	0	0	0.9	0	0	0.9	0	0	0	0	0	0	0.2	0	0	0.2	0.5
Trucks	2	0	3	0	5	0	34	0	0	34	0	0	0	0	0	0	21	1	0	22	61
% Trucks	0.9	0	2.6	0	1.4	0	2.3	0	0	2.3	0	0	0	0	0	0	1.6	1.2	0	1.6	1.9

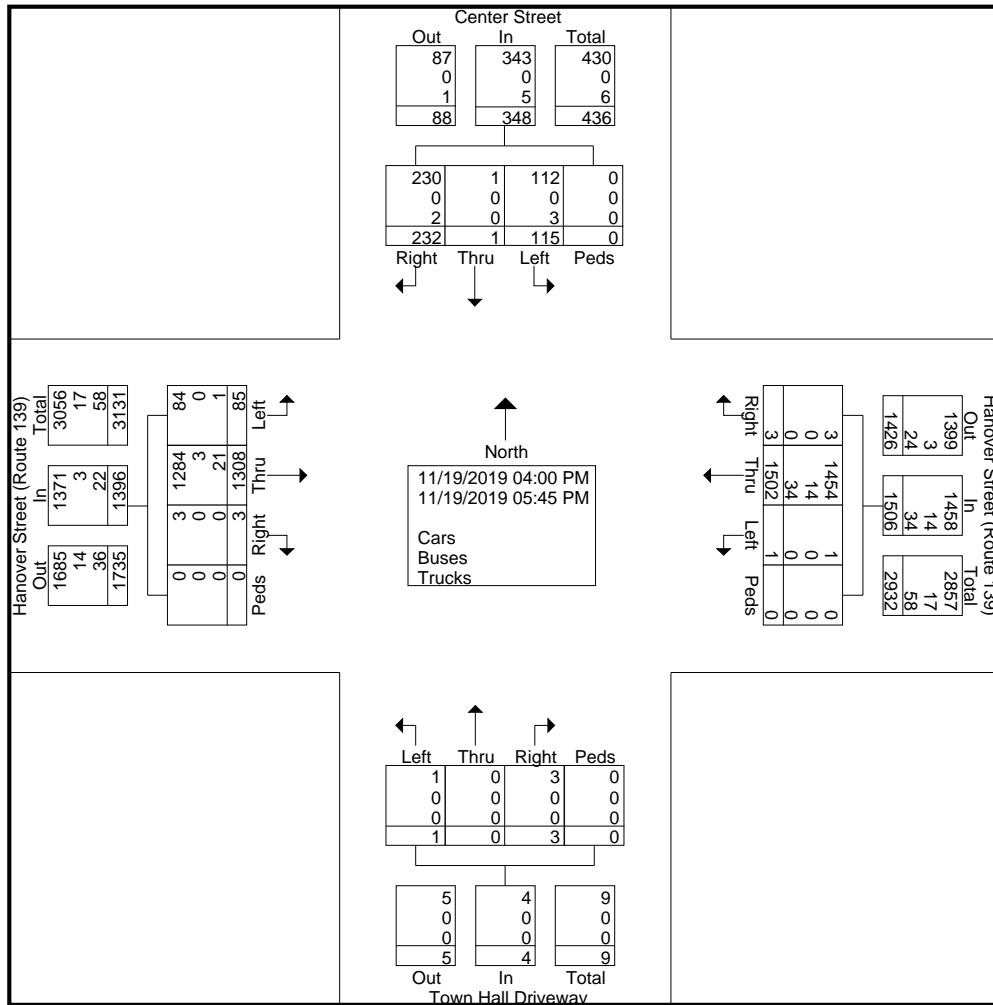


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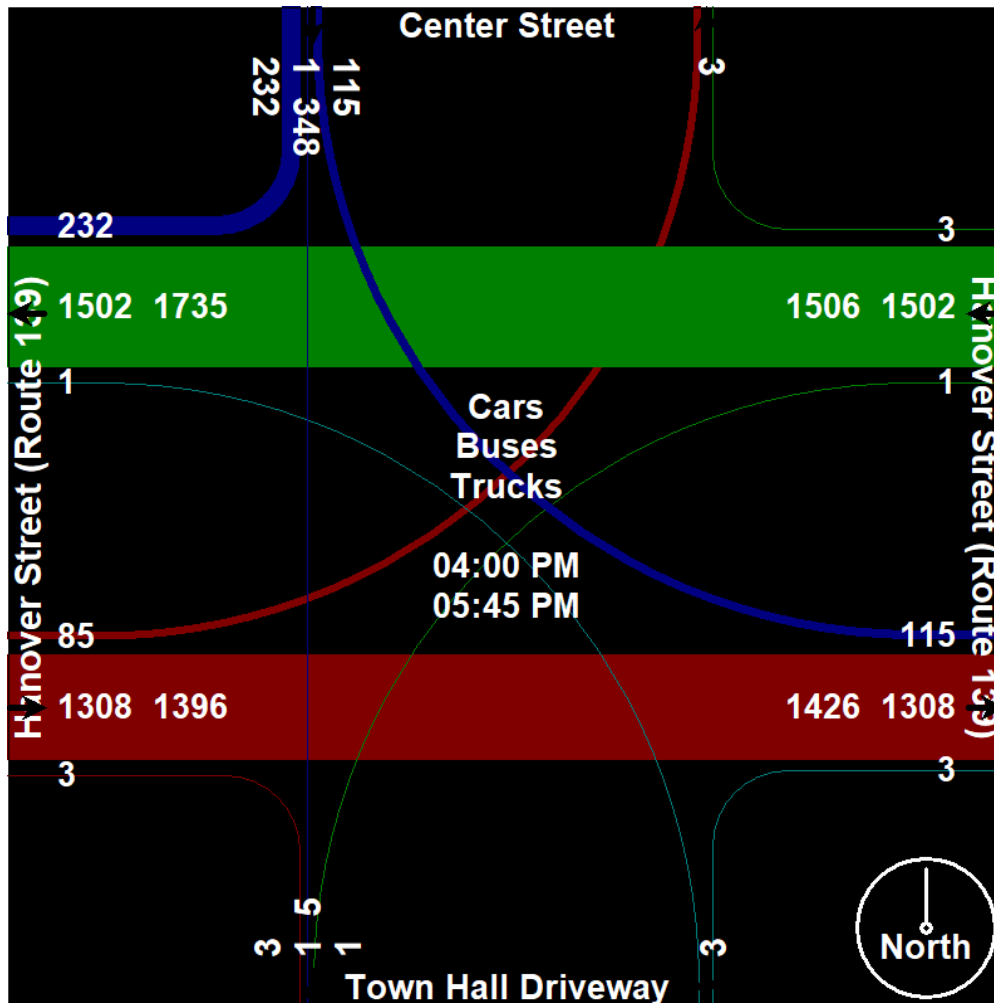


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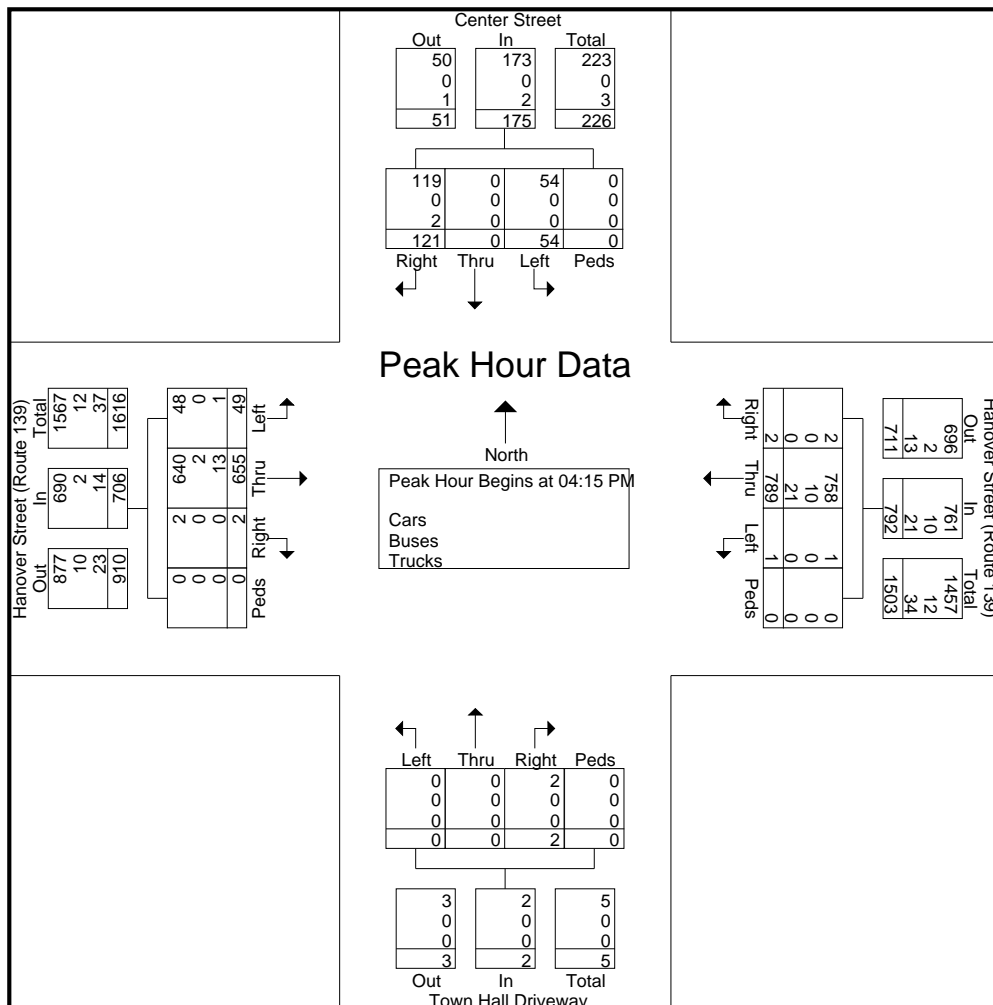
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Start Time	Center Street Southbound					Hanover Street (Route 139) Westbound					Town Hall Driveway Northbound					Hanover Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:15 PM																						
04:15 PM	26	0	17	0	43	1	196	1	0	198	1	0	0	0	1	0	178	15	0	193	435	
04:30 PM	35	0	13	0	48	0	190	0	0	190	1	0	0	0	1	0	164	10	0	174	413	
04:45 PM	34	0	13	0	47	1	179	0	0	180	0	0	0	0	0	1	163	13	0	177	404	
05:00 PM	26	0	11	0	37	0	224	0	0	224	0	0	0	0	0	1	150	11	0	162	423	
Total Volume	121	0	54	0	175	2	789	1	0	792	2	0	0	0	2	2	655	49	0	706	1675	
% App. Total	69.1	0	30.9	0		0.3	99.6	0.1	0		100	0	0	0		0.3	92.8	6.9	0			
PHF	.864	.000	.794	.000	.911	.500	.881	.250	.000	.884	.500	.000	.000	.000	.500	.500	.920	.817	.000	.915	.963	
Cars	119	0	54	0	173	2	758	1	0	761	2	0	0	0	2	2	640	48	0	690	1626	
% Cars	98.3	0	100	0	98.9	100	96.1	100	0	96.1	100	0	0	0	100	100	97.7	98.0	0	97.7	97.1	
Buses	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	2	0	0	2	12	
% Buses	0	0	0	0	0	0	1.3	0	0	1.3	0	0	0	0	0	0	0.3	0	0	0.3	0.7	
Trucks	2	0	0	0	2	0	21	0	0	21	0	0	0	0	0	0	13	1	0	14	37	
% Trucks	1.7	0	0	0	1.1	0	2.7	0	0	2.7	0	0	0	0	0	0	2.0	2.0	0	2.0	2.2	



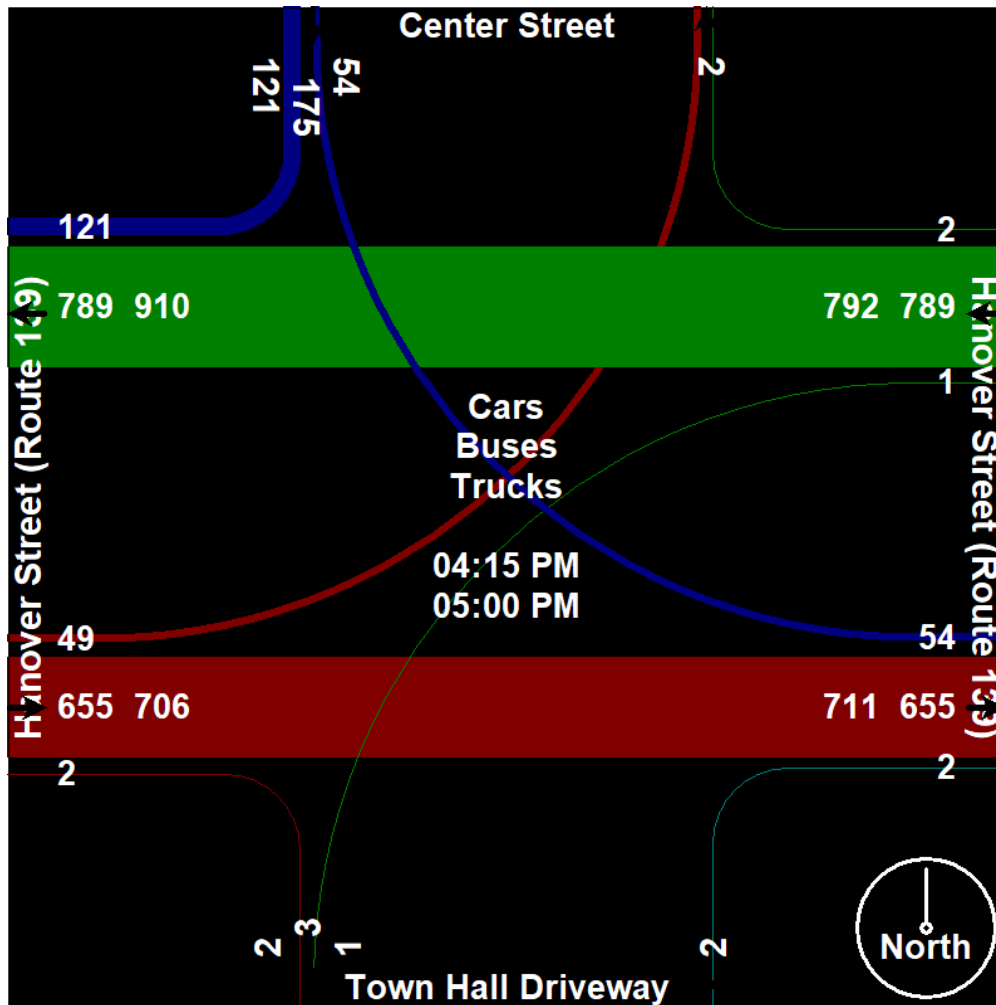


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 Site Code : 122
 Start Date : 10/17/2019
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Groups Printed- Cars - Buses - Trucks

Start Time	Main Street Southbound				Hanover Street (Route 139) Westbound				Hanover Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
07:00 AM	27	8	0	35	22	80	0	102	101	41	0	142	279
07:15 AM	21	14	0	35	28	89	0	117	116	45	0	161	313
07:30 AM	39	12	0	51	22	106	0	128	125	54	0	179	358
07:45 AM	23	22	0	45	36	105	0	141	134	63	0	197	383
Total	110	56	0	166	108	380	0	488	476	203	0	679	1333
08:00 AM	28	17	0	45	43	104	0	147	133	51	0	184	376
08:15 AM	36	13	0	49	36	123	0	159	116	60	0	176	384
08:30 AM	35	13	0	48	28	100	0	128	148	38	0	186	362
08:45 AM	29	26	0	55	35	101	0	136	121	51	0	172	363
Total	128	69	0	197	142	428	0	570	518	200	0	718	1485
Grand Total	238	125	0	363	250	808	0	1058	994	403	0	1397	2818
Apprch %	65.6	34.4	0		23.6	76.4	0		71.2	28.8	0		
Total %	8.4	4.4	0	12.9	8.9	28.7	0	37.5	35.3	14.3	0	49.6	
Cars	219	119	0	338	244	767	0	1011	930	392	0	1322	2671
% Cars	92	95.2	0	93.1	97.6	94.9	0	95.6	93.6	97.3	0	94.6	94.8
Buses	1	0	0	1	0	1	0	1	4	1	0	5	7
% Buses	0.4	0	0	0.3	0	0.1	0	0.1	0.4	0.2	0	0.4	0.2
Trucks	18	6	0	24	6	40	0	46	60	10	0	70	140
% Trucks	7.6	4.8	0	6.6	2.4	5	0	4.3	6	2.5	0	5	5

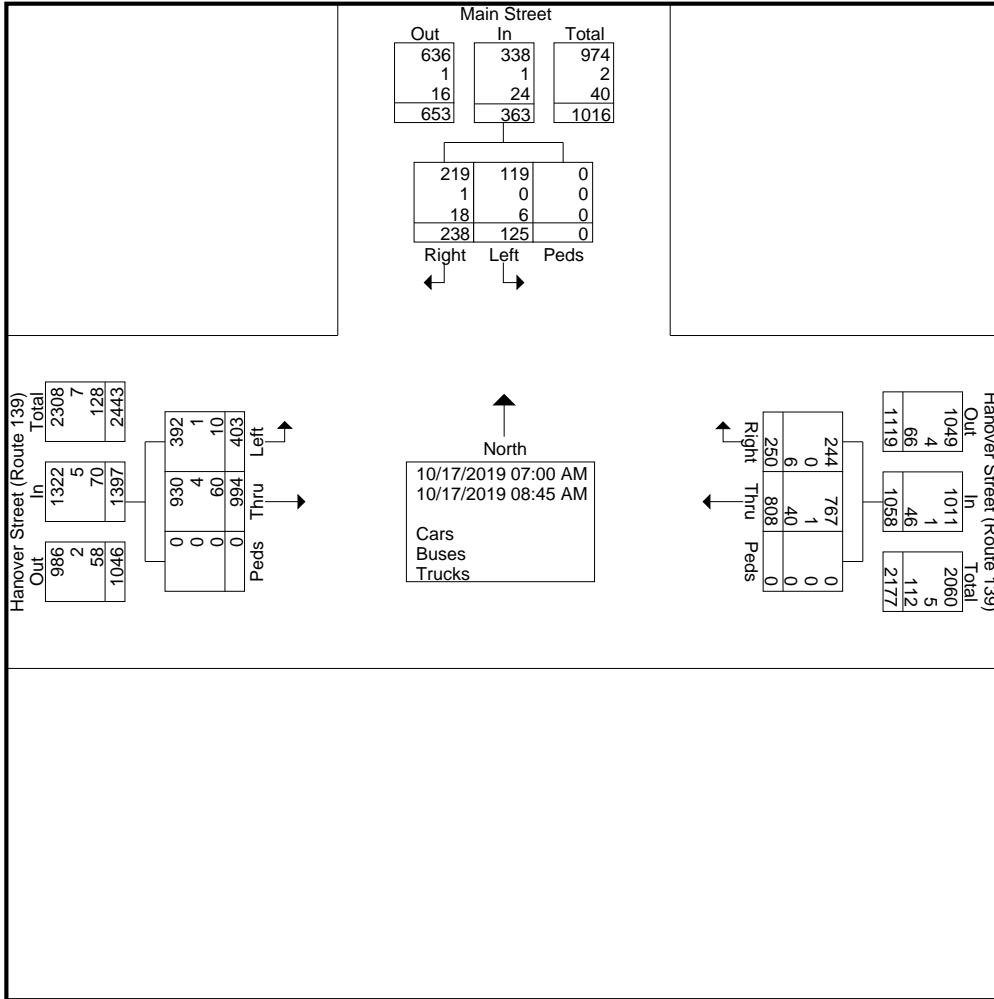


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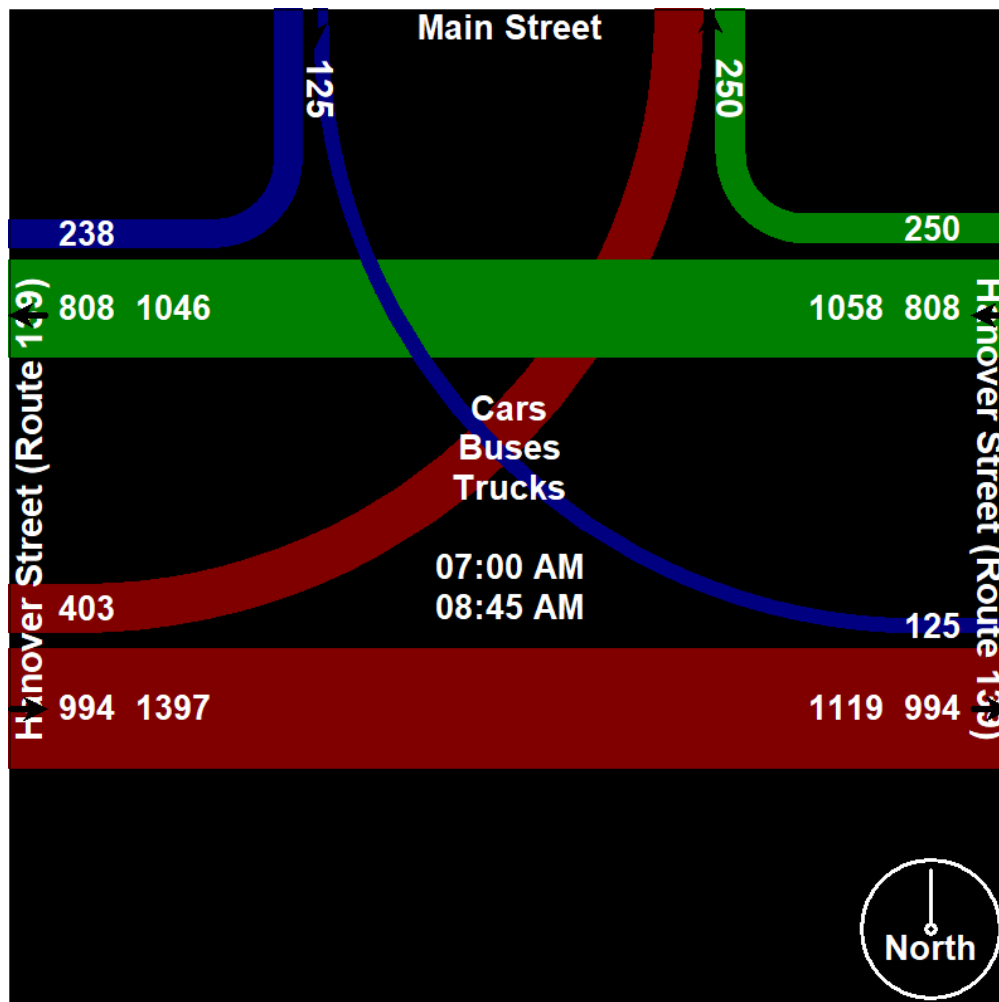


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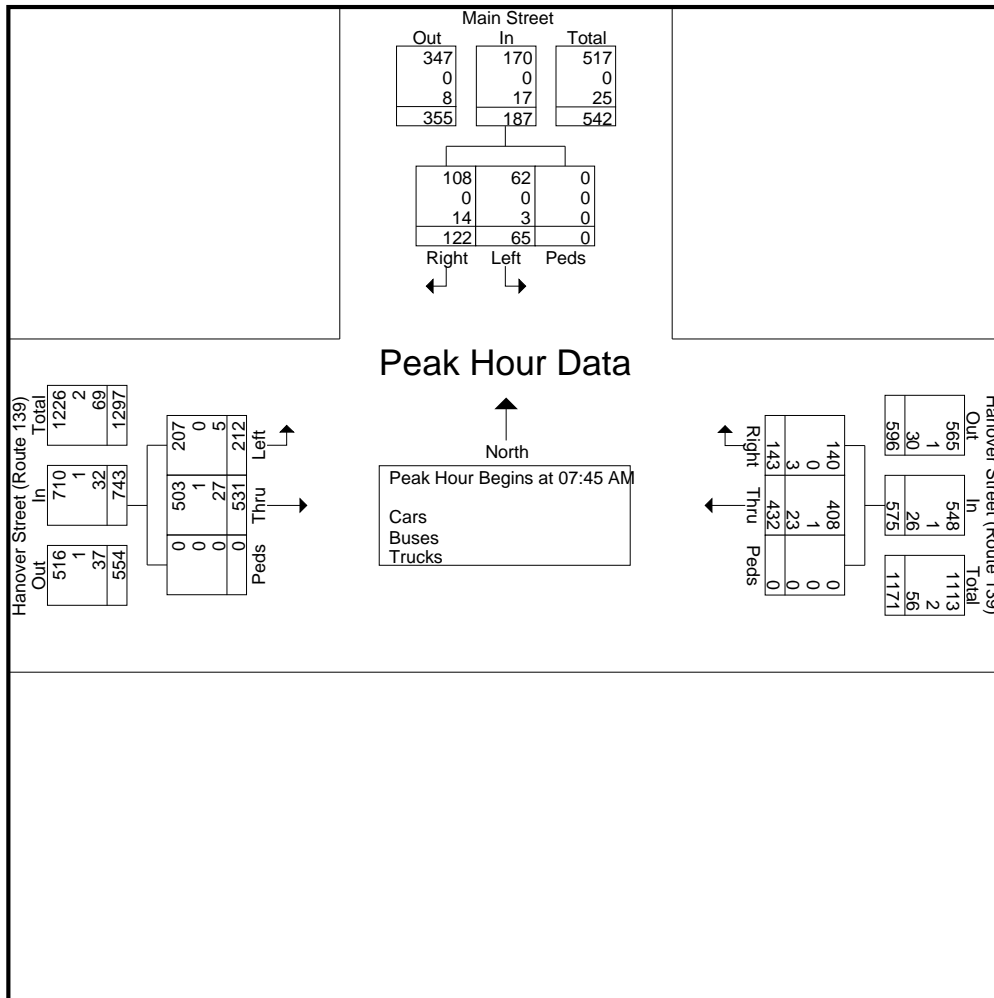
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Start Time	Main Street Southbound				Hanover Street (Route 139) Westbound				Hanover Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:45 AM													
07:45 AM	23	22	0	45	36	105	0	141	134	63	0	197	383
08:00 AM	28	17	0	45	43	104	0	147	133	51	0	184	376
08:15 AM	36	13	0	49	36	123	0	159	116	60	0	176	384
08:30 AM	35	13	0	48	28	100	0	128	148	38	0	186	362
Total Volume	122	65	0	187	143	432	0	575	531	212	0	743	1505
% App. Total	65.2	34.8	0		24.9	75.1	0		71.5	28.5	0		
PHF	.847	.739	.000	.954	.831	.878	.000	.904	.897	.841	.000	.943	.980
Cars	108	62	0	170	140	408	0	548	503	207	0	710	1428
% Cars	88.5	95.4	0	90.9	97.9	94.4	0	95.3	94.7	97.6	0	95.6	94.9
Buses	0	0	0	0	0	1	0	1	1	0	0	1	2
% Buses	0	0	0	0	0	0.2	0	0.2	0.2	0	0	0.1	0.1
Trucks	14	3	0	17	3	23	0	26	27	5	0	32	75
% Trucks	11.5	4.6	0	9.1	2.1	5.3	0	4.5	5.1	2.4	0	4.3	5.0



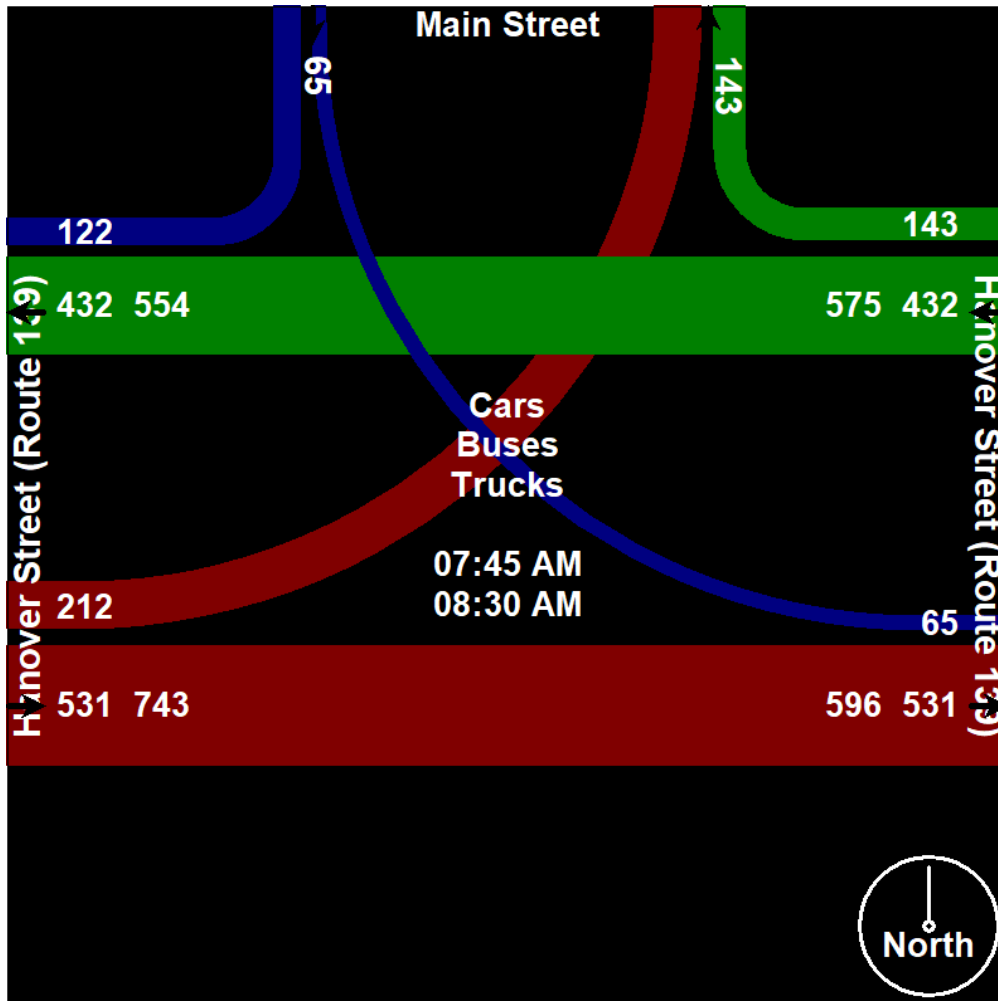


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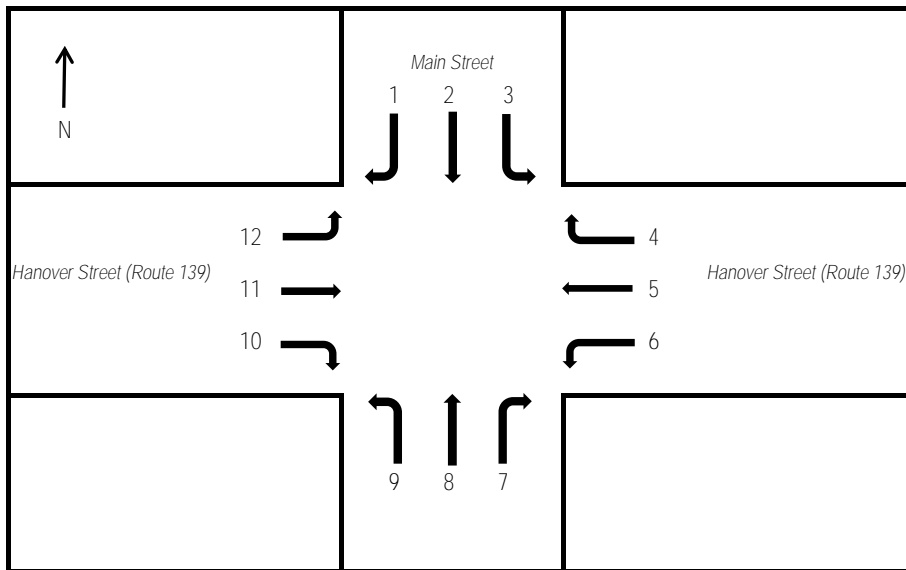
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Old Colony Planning Council Intersection Bicycle Directional Counting Field Sheet

Community: Hanover, MA
 Street: Hanover Street (Route 139)
 Location: @ Main Street
 Weather: Cloudy/Sunny Board #: DB-400 (4) Staff: SB Date: 10/17/2019



Interval	1	2	3	4	5	6	7	8	9	10	11	12
7:00 AM - 7:15 AM												
7:15 AM - 7:30 AM												
7:30 AM - 7:45 AM												
7:45 AM - 8:00 AM											1	
8:00 AM - 8:15 AM												
8:15 AM - 8:30 AM												
8:30 AM - 8:45 AM												
8:45 AM - 9:00 AM												
Total	0	0	0	0	0	0	0	0	0	0	1	0

Comments: _____



Old Colony Planning Council

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

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

File Name : Hanover Street (Route 139) & Main Street_PM
 Site Code : 122
 Start Date : 10/24/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Main Street Southbound				Hanover Street (Route 139) Westbound				Hanover Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
04:00 PM	63	37	0	100	58	132	0	190	131	45	0	176	466
04:15 PM	72	23	0	95	58	122	1	181	155	49	0	204	480
04:30 PM	73	28	0	101	69	147	1	217	122	51	0	173	491
04:45 PM	31	40	0	71	60	169	0	229	139	55	1	195	495
Total	239	128	0	367	245	570	2	817	547	200	1	748	1932
05:00 PM	72	33	0	105	52	156	0	208	140	54	0	194	507
05:15 PM	56	39	0	95	64	141	0	205	147	51	0	198	498
05:30 PM	77	43	0	120	65	111	1	177	152	63	0	215	512
05:45 PM	58	42	0	100	41	112	0	153	131	53	0	184	437
Total	263	157	0	420	222	520	1	743	570	221	0	791	1954
Grand Total	502	285	0	787	467	1090	3	1560	1117	421	1	1539	3886
Apprch %	63.8	36.2	0		29.9	69.9	0.2		72.6	27.4	0.1		
Total %	12.9	7.3	0	20.3	12	28	0.1	40.1	28.7	10.8	0	39.6	
Cars	496	280	0	776	460	1043	0	1503	1093	416	0	1509	3788
% Cars	98.8	98.2	0	98.6	98.5	95.7	0	96.3	97.9	98.8	0	98.1	97.5
Buses	1	0	0	1	1	10	3	14	4	2	1	7	22
% Buses	0.2	0	0	0.1	0.2	0.9	100	0.9	0.4	0.5	100	0.5	0.6
Trucks	5	5	0	10	6	37	0	43	20	3	0	23	76
% Trucks	1	1.8	0	1.3	1.3	3.4	0	2.8	1.8	0.7	0	1.5	2

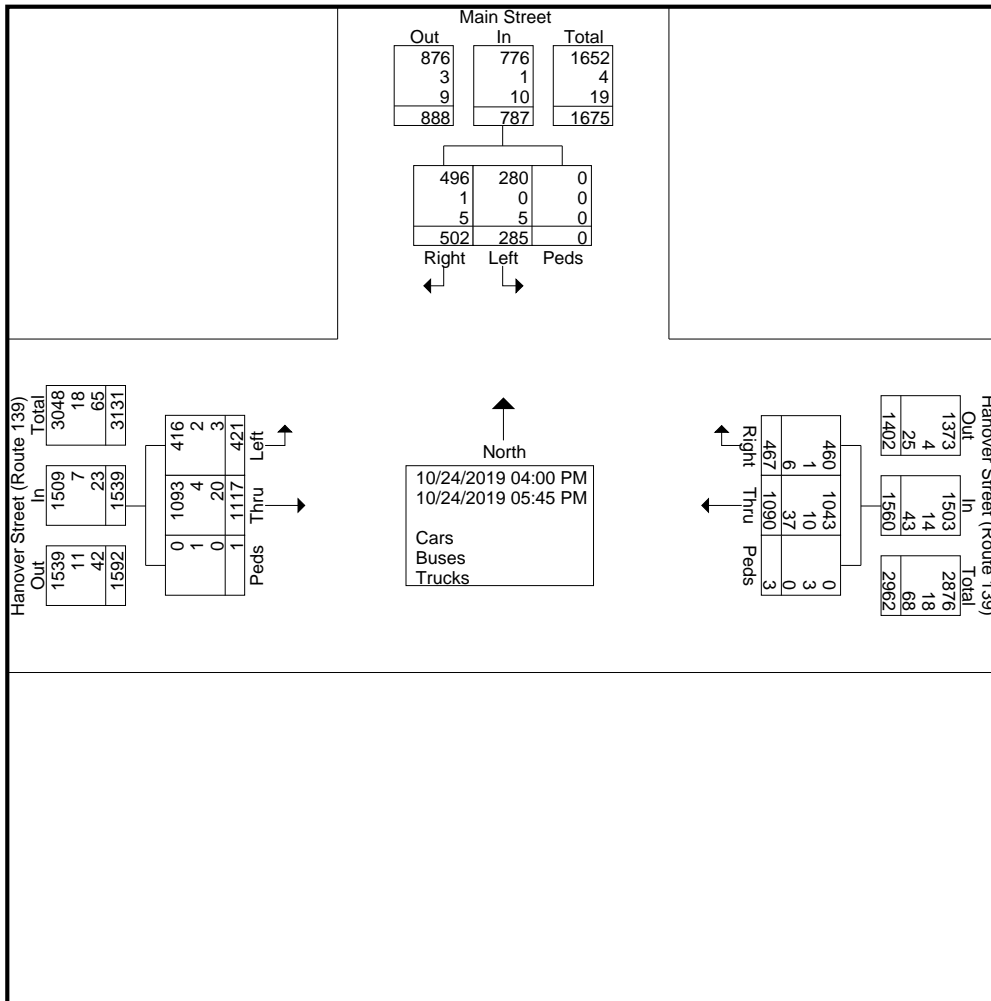


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File Name : Hanover Street (Route 139) & Main Street_PM
 Site Code : 122
 Start Date : 10/24/2019
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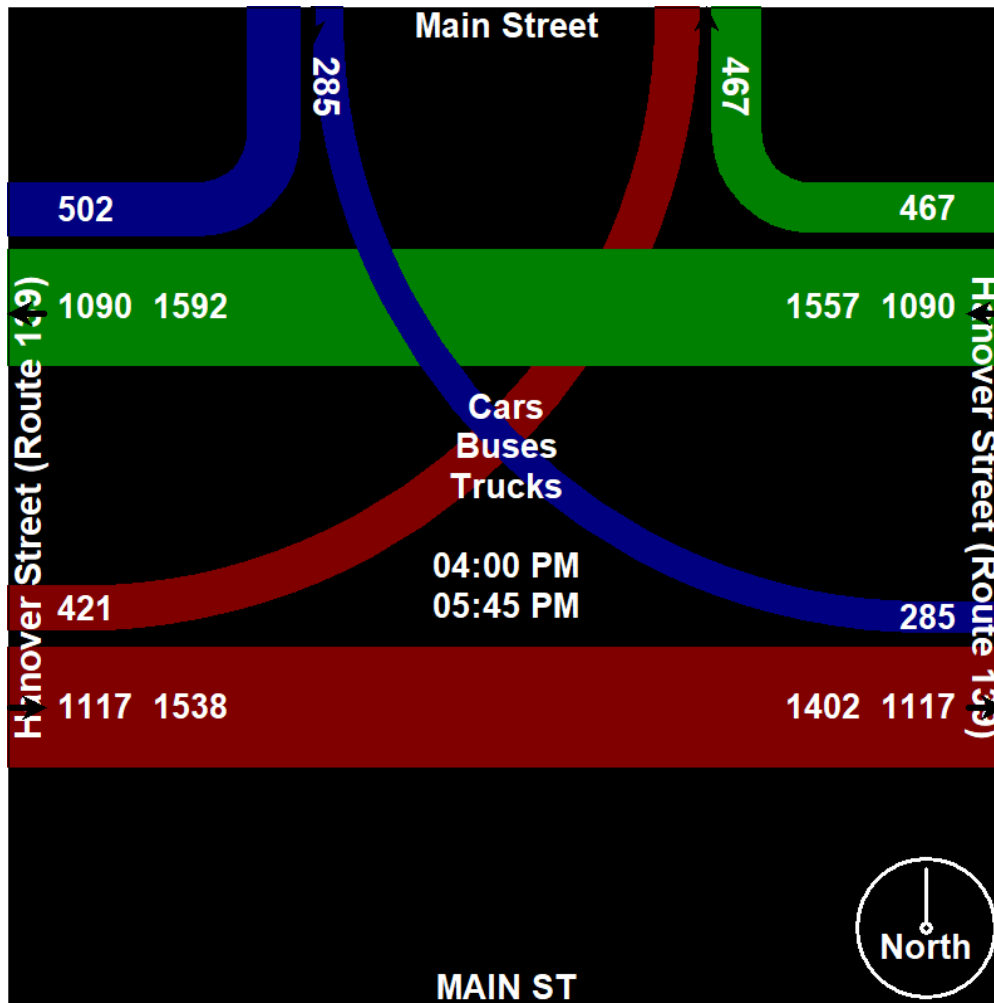


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File Name : Hanover Street (Route 139) & Main Street_PM
Site Code : 122
Start Date : 10/24/2019
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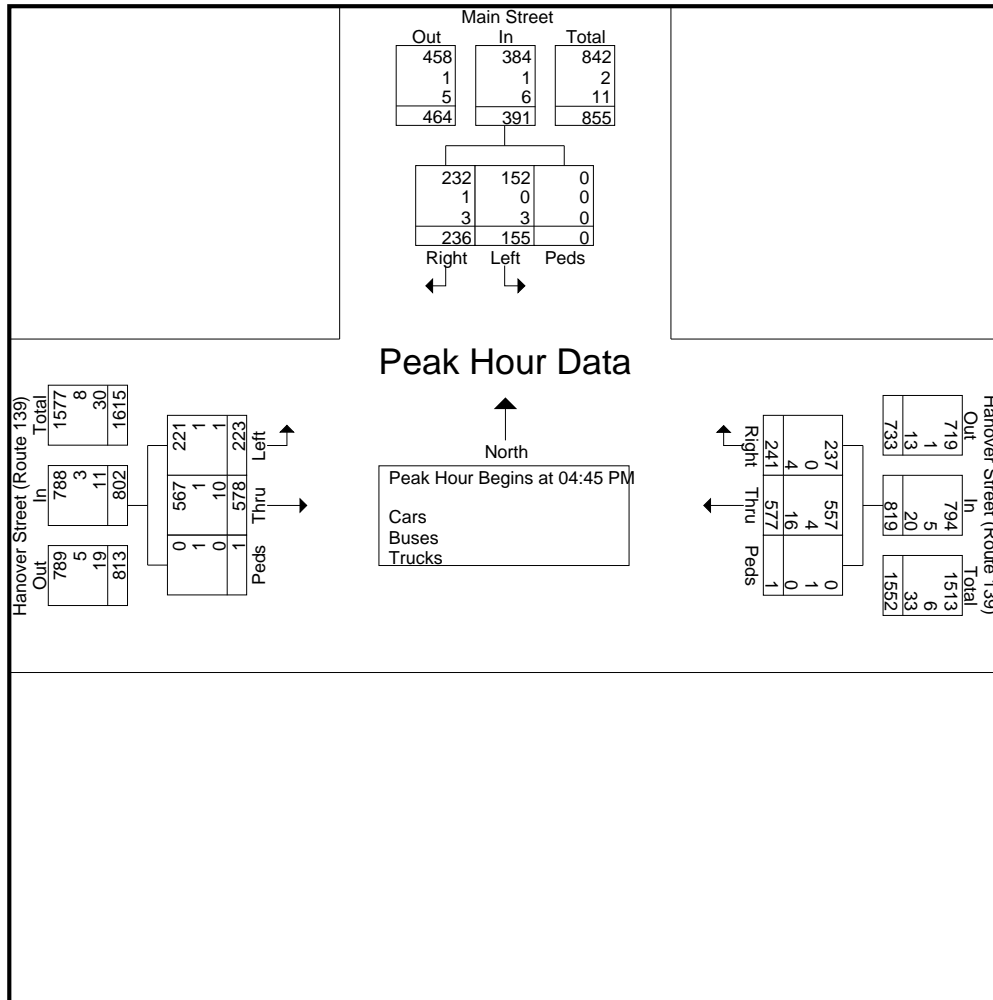
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File Name : Hanover Street (Route 139) & Main Street_PM
 Site Code : 122
 Start Date : 10/24/2019
 Page No : 4

Start Time	Main Street Southbound				Hanover Street (Route 139) Westbound				Hanover Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:45 PM													
04:45 PM	31	40	0	71	60	169	0	229	139	55	1	195	495
05:00 PM	72	33	0	105	52	156	0	208	140	54	0	194	507
05:15 PM	56	39	0	95	64	141	0	205	147	51	0	198	498
05:30 PM	77	43	0	120	65	111	1	177	152	63	0	215	512
Total Volume	236	155	0	391	241	577	1	819	578	223	1	802	2012
% App. Total	60.4	39.6	0		29.4	70.5	0.1		72.1	27.8	0.1		
PHF	.766	.901	.000	.815	.927	.854	.250	.894	.951	.885	.250	.933	.982
Cars	232	152	0	384	237	557	0	794	567	221	0	788	1966
% Cars	98.3	98.1	0	98.2	98.3	96.5	0	96.9	98.1	99.1	0	98.3	97.7
Buses	1	0	0	1	0	4	1	5	1	1	1	3	9
% Buses	0.4	0	0	0.3	0	0.7	100	0.6	0.2	0.4	100	0.4	0.4
Trucks	3	3	0	6	4	16	0	20	10	1	0	11	37
% Trucks	1.3	1.9	0	1.5	1.7	2.8	0	2.4	1.7	0.4	0	1.4	1.8



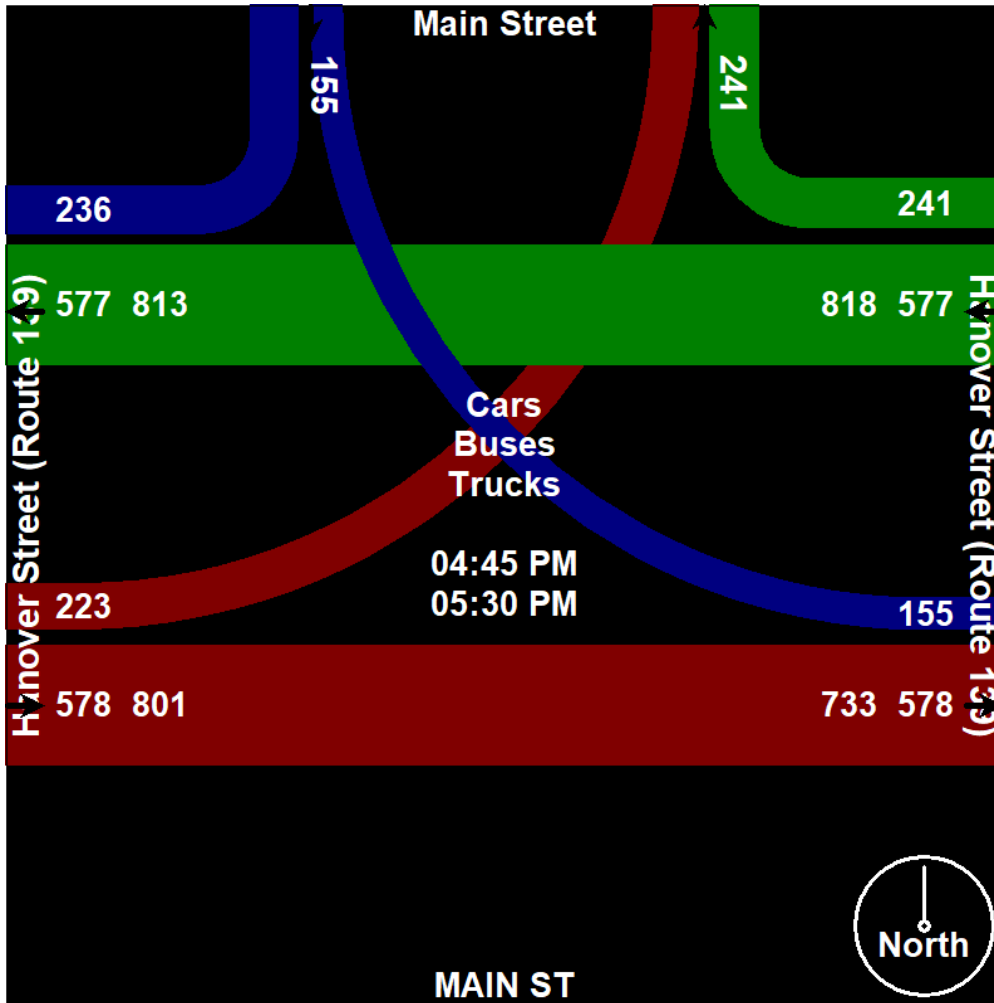


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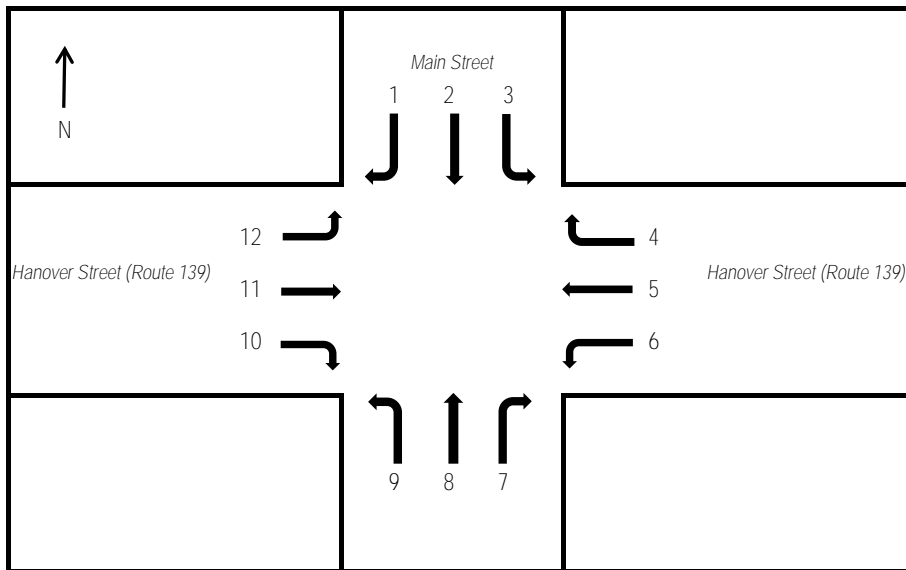
Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (4) / SB
Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Main Street_PM
Site Code : 122
Start Date : 10/24/2019
Page No : 5



Old Colony Planning Council Intersection Bicycle Directional Counting Field Sheet

Community: Hanover, MA
 Street: Hanover Street (Route 139)
 Location: @ Main Street
 Weather: Sunny Board #: DB-400 (4) Staff: SB Date: 10/24/2019



Interval	1	2	3	4	5	6	7	8	9	10	11	12
4:00 PM - 4:15 PM												
4:15 PM - 4:30 PM					1							
4:30 PM - 4:45 PM												
4:45 PM - 5:00 PM												
5:00 PM - 5:15 PM												
5:15 PM - 5:30 PM												
5:30 PM - 5:45 PM												
5:45 PM - 6:00 PM												
Total	0	0	0	0	1	0	0	0	0	0	0	0

Comments: _____



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

File Name : Hanover Street (Route 139) & Spring Street_AM
 Site Code : 122
 Start Date : 11/7/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Spring Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
07:00 AM	90	2	0	92	6	41	0	47	6	115	0	121	260
07:15 AM	139	3	0	142	13	54	0	67	4	157	0	161	370
07:30 AM	145	1	0	146	14	66	0	80	16	155	0	171	397
07:45 AM	136	2	0	138	16	39	0	55	11	168	0	179	372
Total	510	8	0	518	49	200	0	249	37	595	0	632	1399
08:00 AM	114	7	0	121	14	34	0	48	8	184	0	192	361
08:15 AM	125	6	0	131	11	44	0	55	11	170	0	181	367
08:30 AM	113	4	0	117	11	33	0	44	18	114	0	132	293
08:45 AM	94	13	0	107	16	28	0	44	24	168	0	192	343
Total	446	30	0	476	52	139	0	191	61	636	0	697	1364
Grand Total	956	38	0	994	101	339	0	440	98	1231	0	1329	2763
Apprch %	96.2	3.8	0		23	77	0		7.4	92.6	0		
Total %	34.6	1.4	0	36	3.7	12.3	0	15.9	3.5	44.6	0	48.1	
Cars	911	36	0	947	101	338	0	439	96	1182	0	1278	2664
% Cars	95.3	94.7	0	95.3	100	99.7	0	99.8	98	96	0	96.2	96.4
Buses	3	0	0	3	0	1	0	1	1	2	0	3	7
% Buses	0.3	0	0	0.3	0	0.3	0	0.2	1	0.2	0	0.2	0.3
Trucks	42	2	0	44	0	0	0	0	1	47	0	48	92
% Trucks	4.4	5.3	0	4.4	0	0	0	0	1	3.8	0	3.6	3.3

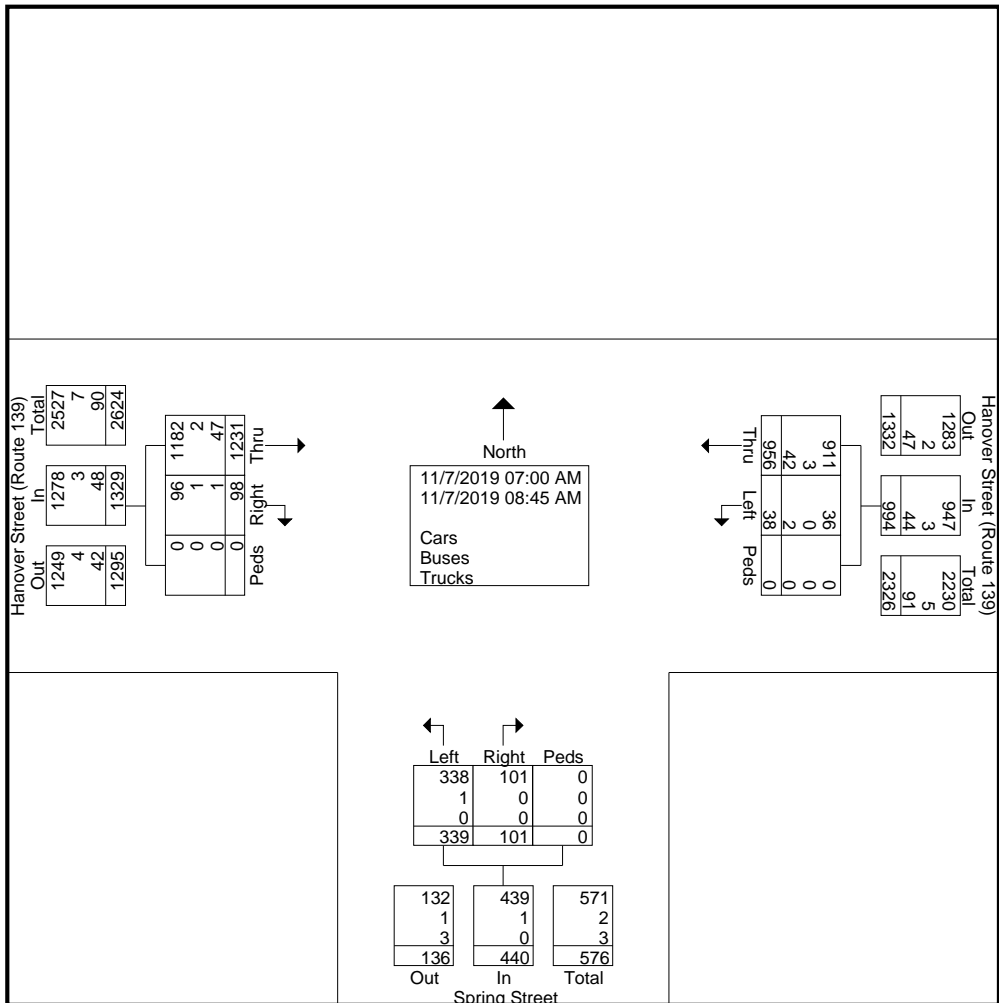


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 Site Code : 122
 Start Date : 11/7/2019
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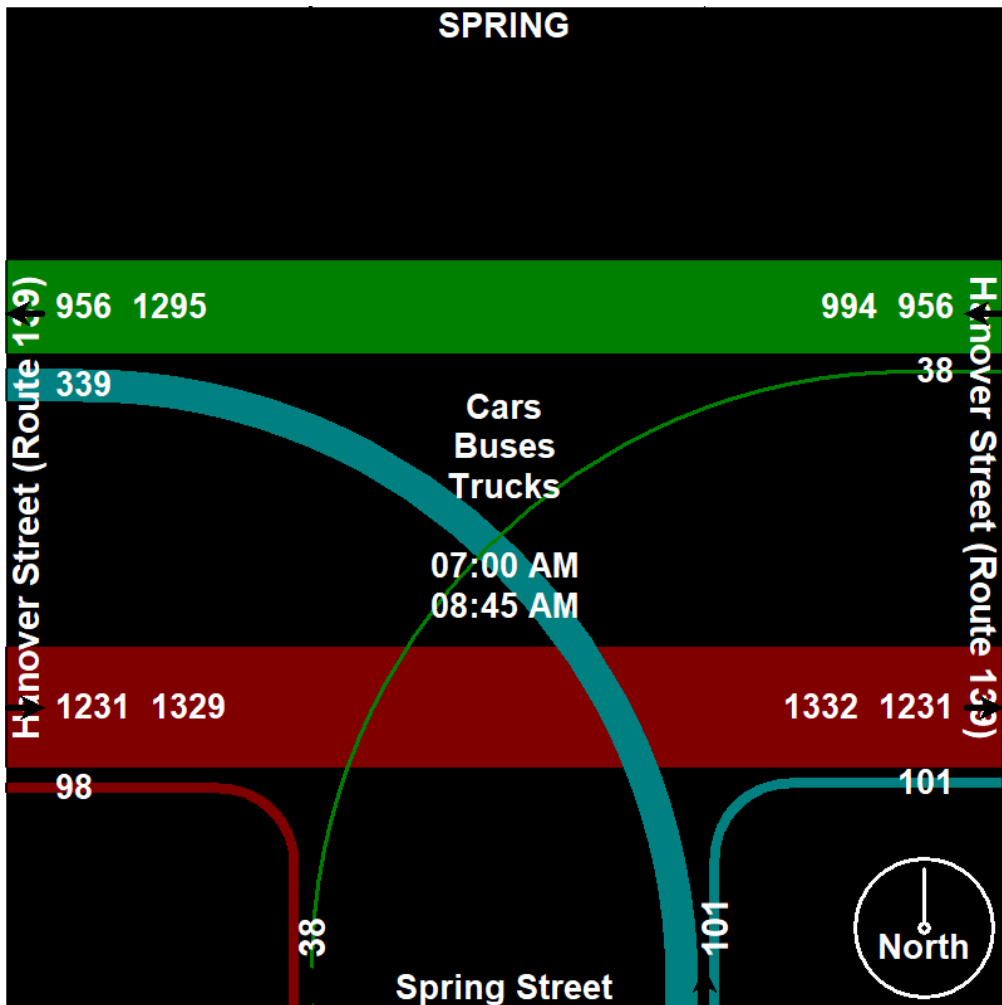


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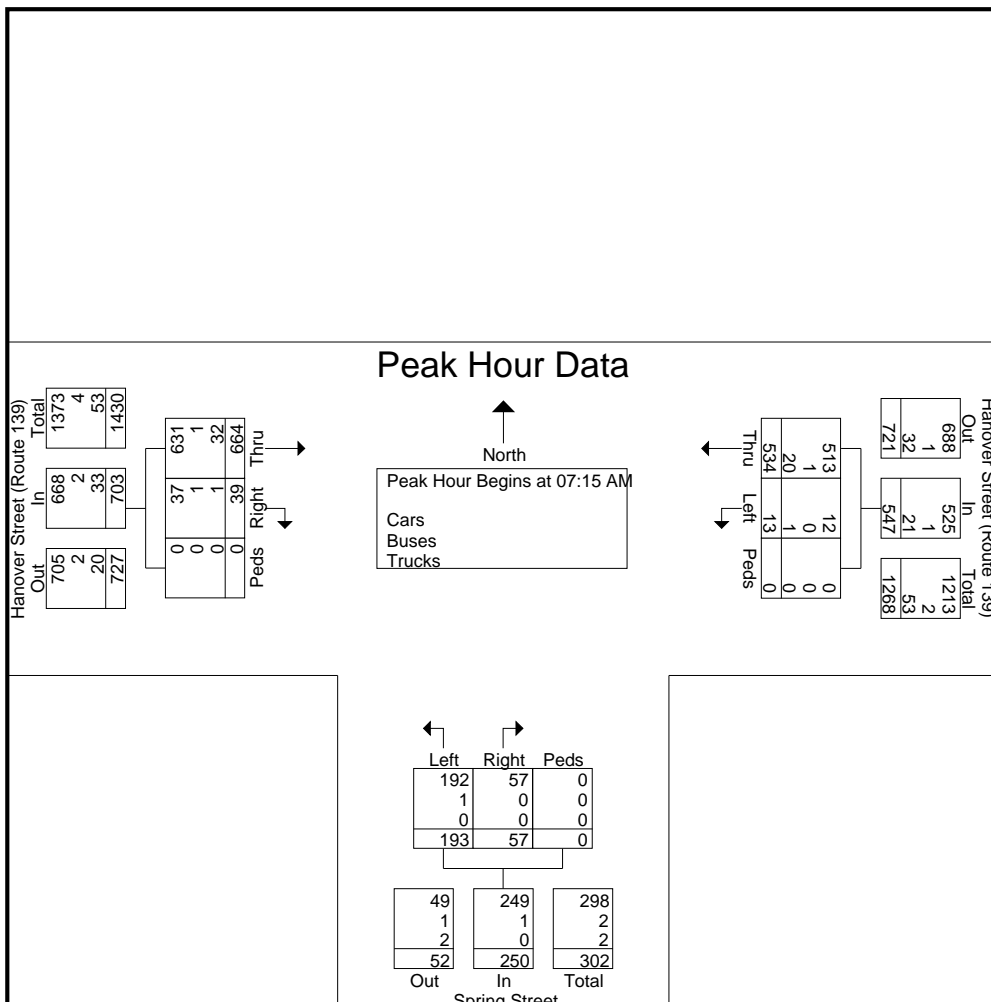
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File Name : Hanover Street (Route 139) & Spring Street_AM
 Site Code : 122
 Start Date : 11/7/2019
 Page No : 4

Start Time	Hanover Street (Route 139) Westbound				Spring Street Northbound				Hanover Street (Route 139) 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	139	3	0	142	13	54	0	67	4	157	0	161	370
07:30 AM	145	1	0	146	14	66	0	80	16	155	0	171	397
07:45 AM	136	2	0	138	16	39	0	55	11	168	0	179	372
08:00 AM	114	7	0	121	14	34	0	48	8	184	0	192	361
Total Volume	534	13	0	547	57	193	0	250	39	664	0	703	1500
% App. Total	97.6	2.4	0		22.8	77.2	0		5.5	94.5	0		
PHF	.921	.464	.000	.937	.891	.731	.000	.781	.609	.902	.000	.915	.945
Cars	513	12	0	525	57	192	0	249	37	631	0	668	1442
% Cars	96.1	92.3	0	96.0	100	99.5	0	99.6	94.9	95.0	0	95.0	96.1
Buses	1	0	0	1	0	1	0	1	1	1	0	2	4
% Buses	0.2	0	0	0.2	0	0.5	0	0.4	2.6	0.2	0	0.3	0.3
Trucks	20	1	0	21	0	0	0	0	1	32	0	33	54
% Trucks	3.7	7.7	0	3.8	0	0	0	0	2.6	4.8	0	4.7	3.6



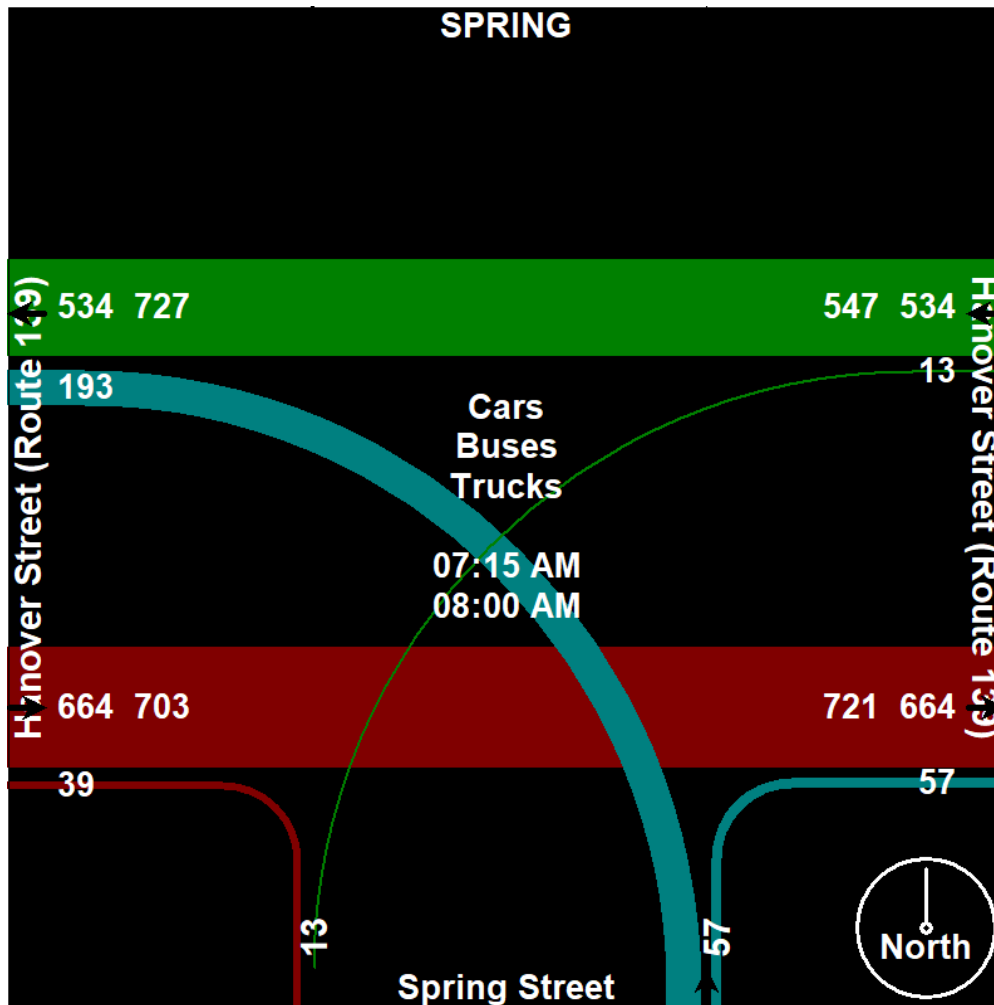


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File Name : Hanover Street (Route 139) & Spring Street_AM
Site Code : 122
Start Date : 11/7/2019
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 Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Spring Street_PM
 Site Code : 122
 Start Date : 11/13/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street (Route 139) Westbound				Spring Street Northbound				Hanover Street (Route 139) Eastbound				Int. Total
	Thru	Left	Peds	App. Total	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	
04:00 PM	182	12	0	194	13	31	0	44	32	141	0	173	411
04:15 PM	133	19	0	152	7	16	0	23	46	147	0	193	368
04:30 PM	146	24	0	170	9	20	0	29	26	102	0	128	327
04:45 PM	125	19	0	144	7	17	0	24	43	166	0	209	377
Total	586	74	0	660	36	84	0	120	147	556	0	703	1483
05:00 PM	208	21	0	229	9	31	0	40	19	146	0	165	434
05:15 PM	164	12	0	176	5	19	0	24	32	139	0	171	371
05:30 PM	162	13	0	175	5	19	0	24	28	115	0	143	342
05:45 PM	128	8	0	136	8	24	0	32	30	124	0	154	322
Total	662	54	0	716	27	93	0	120	109	524	0	633	1469
Grand Total	1248	128	0	1376	63	177	0	240	256	1080	0	1336	2952
Apprch %	90.7	9.3	0		26.2	73.8	0		19.2	80.8	0		
Total %	42.3	4.3	0	46.6	2.1	6	0	8.1	8.7	36.6	0	45.3	
Cars	1216	128	0	1344	63	177	0	240	255	1066	0	1321	2905
% Cars	97.4	100	0	97.7	100	100	0	100	99.6	98.7	0	98.9	98.4
Buses	1	0	0	1	0	0	0	0	0	0	0	0	1
% Buses	0.1	0	0	0.1	0	0	0	0	0	0	0	0	0
Trucks	31	0	0	31	0	0	0	0	1	14	0	15	46
% Trucks	2.5	0	0	2.3	0	0	0	0	0.4	1.3	0	1.1	1.6

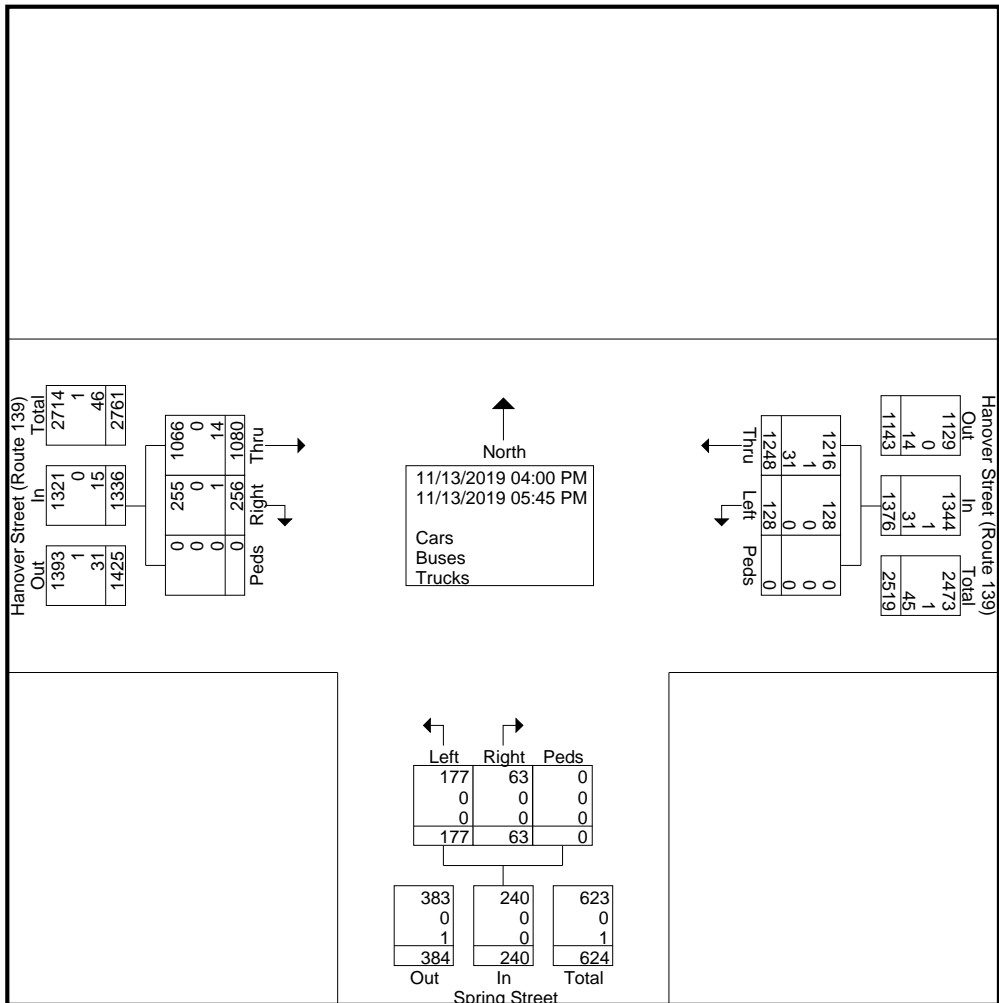


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File Name : Hanover Street (Route 139) & Spring Street_PM
 Site Code : 122
 Start Date : 11/13/2019
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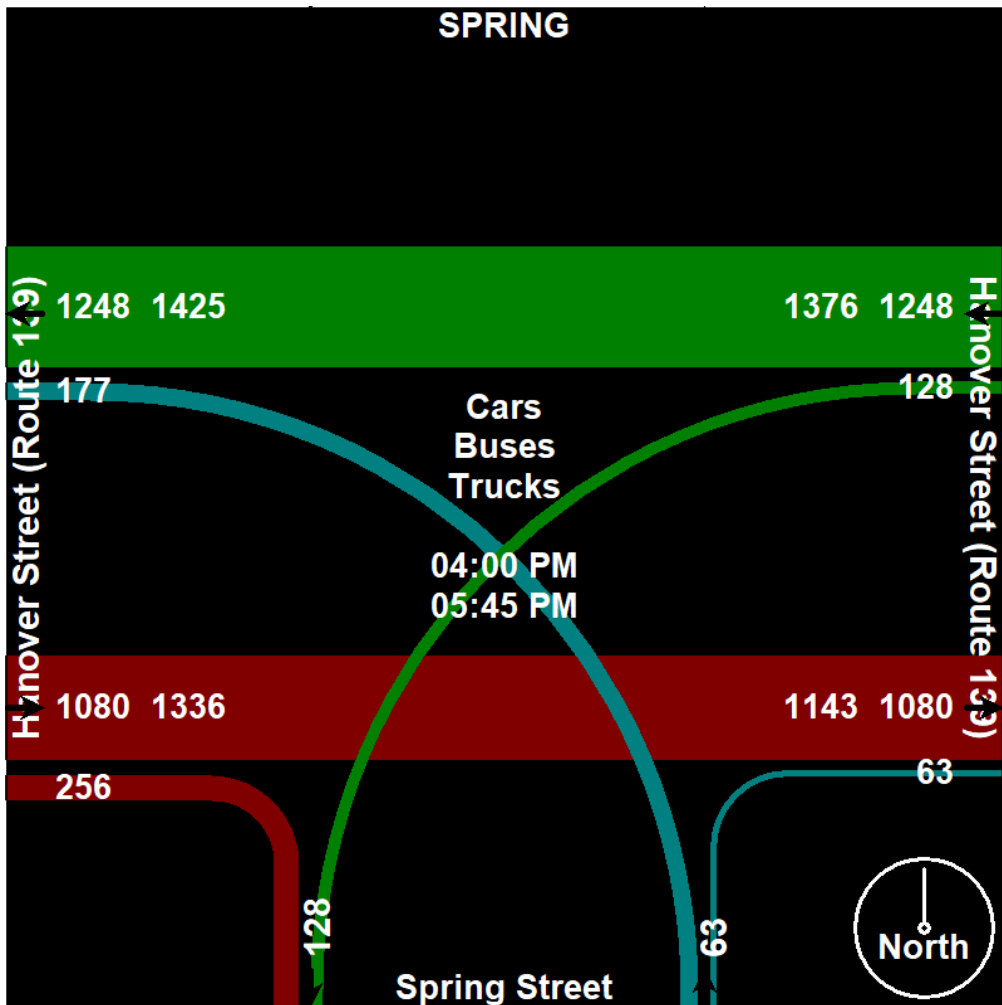


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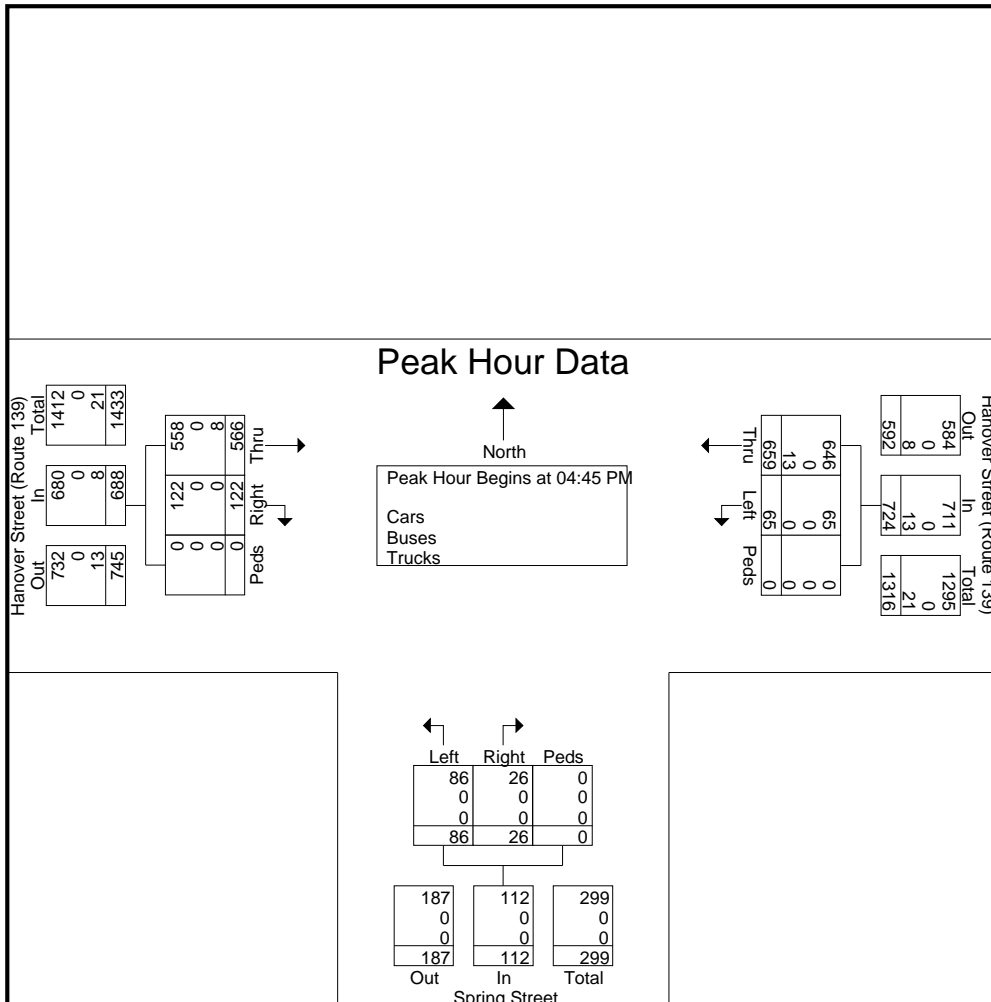
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File Name : Hanover Street (Route 139) & Spring Street_PM
 Site Code : 122
 Start Date : 11/13/2019
 Page No : 4

Start Time	Hanover Street (Route 139) Westbound				Spring Street Northbound				Hanover Street (Route 139) 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	125	19	0	144	7	17	0	24	43	166	0	209	377
05:00 PM	208	21	0	229	9	31	0	40	19	146	0	165	434
05:15 PM	164	12	0	176	5	19	0	24	32	139	0	171	371
05:30 PM	162	13	0	175	5	19	0	24	28	115	0	143	342
Total Volume	659	65	0	724	26	86	0	112	122	566	0	688	1524
% App. Total	91	9	0		23.2	76.8	0		17.7	82.3	0		
PHF	.792	.774	.000	.790	.722	.694	.000	.700	.709	.852	.000	.823	.878
Cars	646	65	0	711	26	86	0	112	122	558	0	680	1503
% Cars	98.0	100	0	98.2	100	100	0	100	100	98.6	0	98.8	98.6
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
% Buses	0	0	0	0	0	0	0	0	0	0	0	0	0
Trucks	13	0	0	13	0	0	0	0	0	8	0	8	21
% Trucks	2.0	0	0	1.8	0	0	0	0	0	1.4	0	1.2	1.4



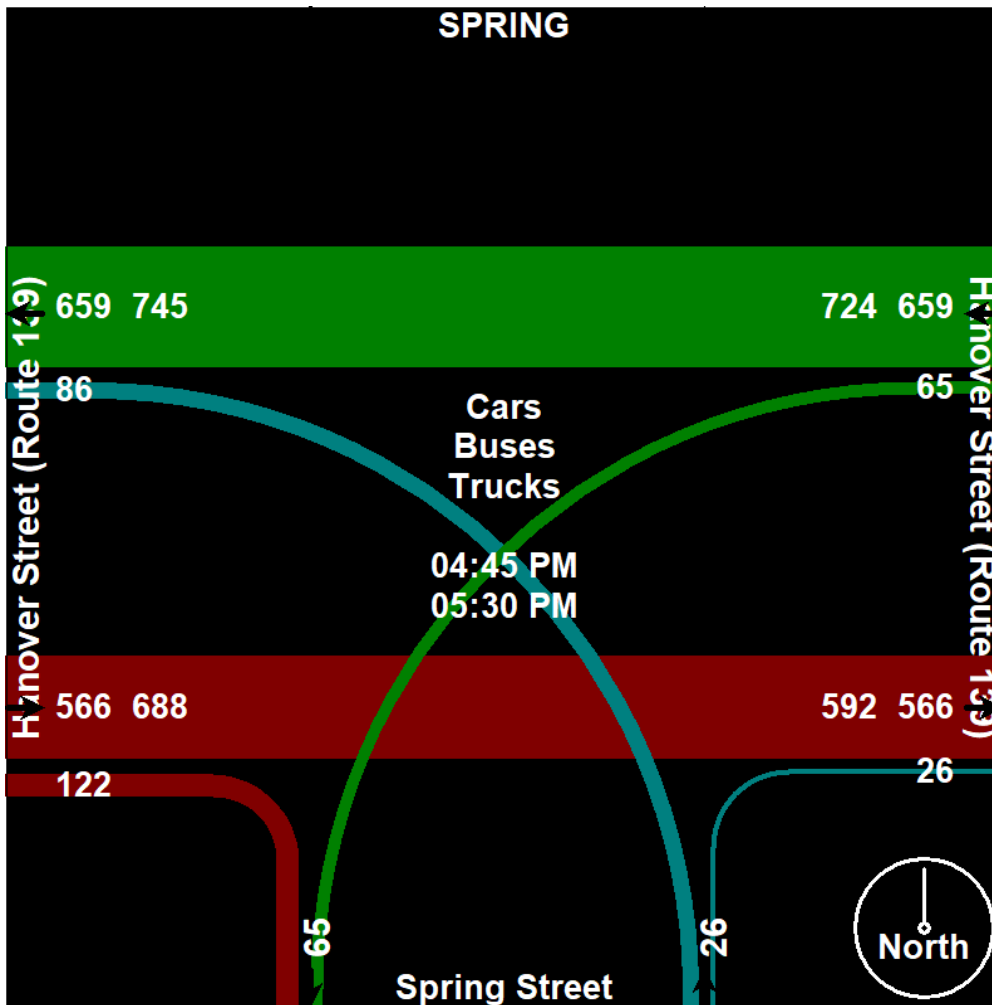


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Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (5) / BH
Traffic Control: Stop Sign

File Name : Hanover Street (Route 139) & Spring Street_PM
Site Code : 122
Start Date : 11/13/2019
Page No : 5





Old Colony Planning Council

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

File Name : Rockland Street (Route 139) & Hanover Street_AM
 Site Code : 122
 Start Date : 10/16/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street Southbound				Rockland Street (Route 139) Westbound				Rockland Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
07:00 AM	6	0	0	6	0	94	0	94	109	9	0	118	218
07:15 AM	4	0	0	4	0	112	0	112	121	9	0	130	246
07:30 AM	8	1	0	9	0	125	0	125	146	8	0	154	288
07:45 AM	5	2	0	7	0	108	0	108	157	14	0	171	286
Total	23	3	0	26	0	439	0	439	533	40	0	573	1038
08:00 AM	12	1	0	13	1	118	0	119	126	7	0	133	265
08:15 AM	10	1	0	11	2	116	0	118	138	22	0	160	289
08:30 AM	7	3	0	10	3	106	0	109	144	13	0	157	276
08:45 AM	2	1	0	3	1	81	0	82	156	12	0	168	253
Total	31	6	0	37	7	421	0	428	564	54	0	618	1083
Grand Total	54	9	0	63	7	860	0	867	1097	94	0	1191	2121
Apprch %	85.7	14.3	0		0.8	99.2	0		92.1	7.9	0		
Total %	2.5	0.4	0	3	0.3	40.5	0	40.9	51.7	4.4	0	56.2	
Cars	50	9	0	59	7	811	0	818	1020	91	0	1111	1988
% Cars	92.6	100	0	93.7	100	94.3	0	94.3	93	96.8	0	93.3	93.7
Buses	2	0	0	2	0	14	0	14	19	0	0	19	35
% Buses	3.7	0	0	3.2	0	1.6	0	1.6	1.7	0	0	1.6	1.7
Trucks	2	0	0	2	0	35	0	35	58	3	0	61	98
% Trucks	3.7	0	0	3.2	0	4.1	0	4	5.3	3.2	0	5.1	4.6

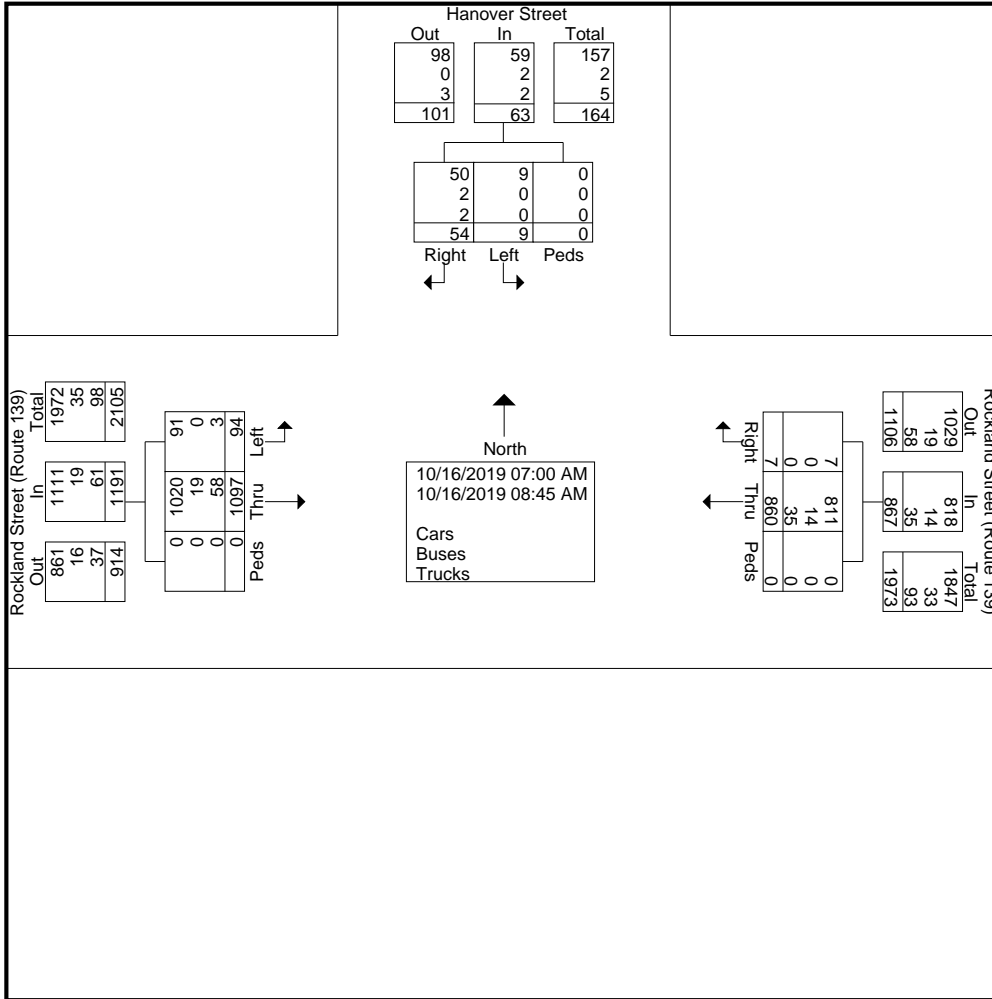


Old Colony Planning Council

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

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

File Name : Rockland Street (Route 139) & Hanover Street_AM
 Site Code : 122
 Start Date : 10/16/2019
 Page No : 2



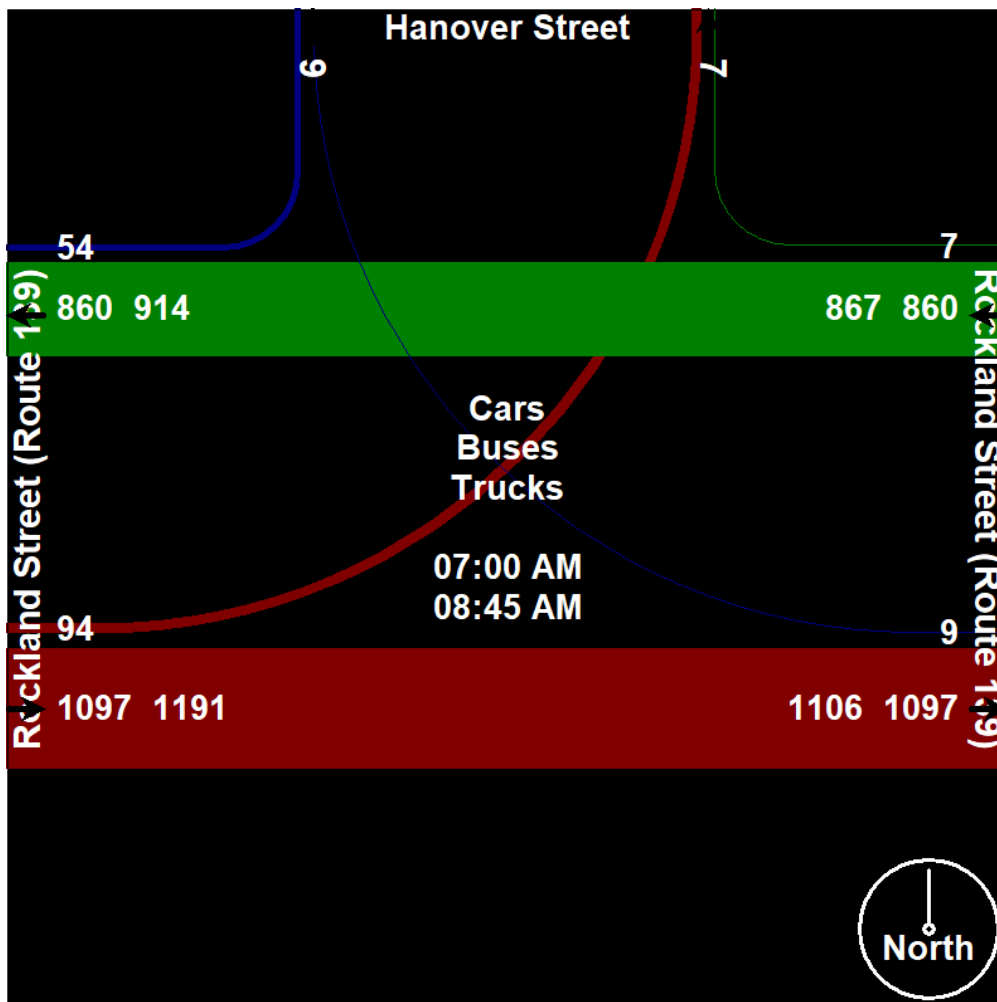


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Site Code : 122
Start Date : 10/16/2019
Page No : 3





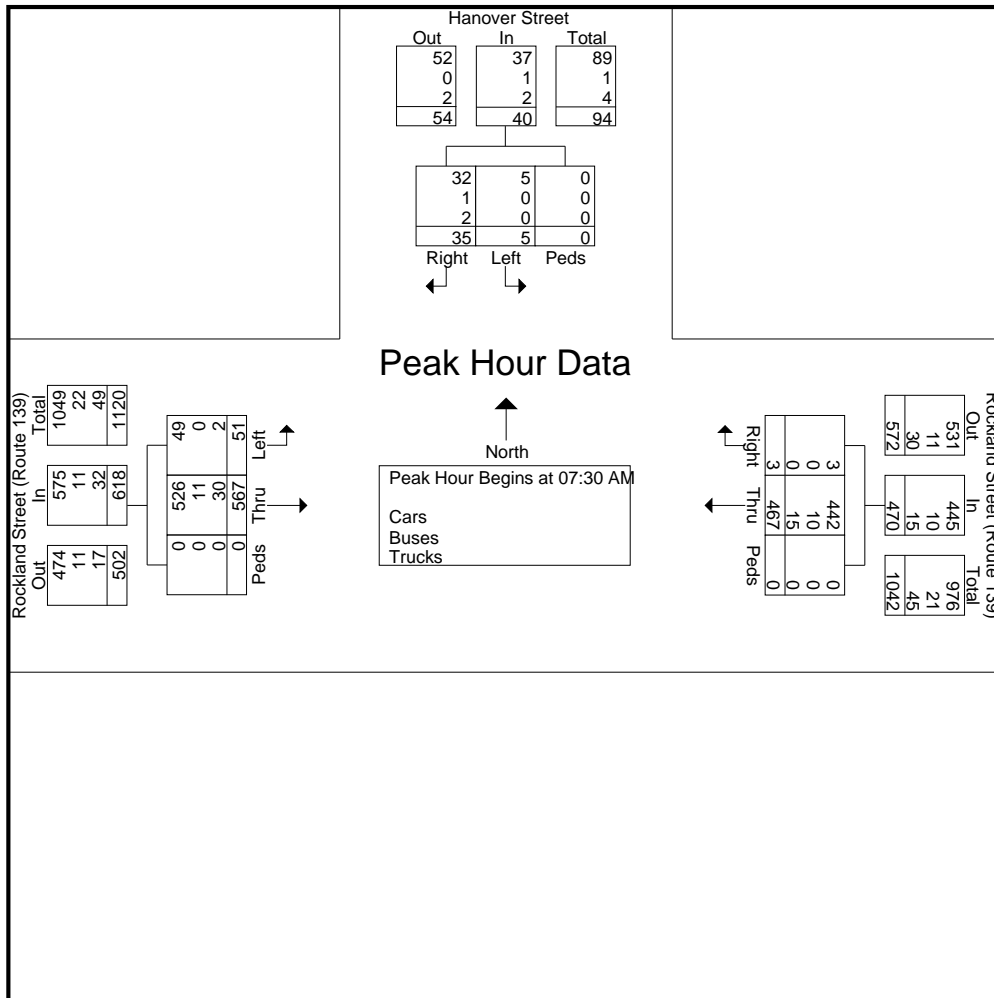
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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Rockland Street (Route 139) & Hanover Street_AM
 Site Code : 122
 Start Date : 10/16/2019
 Page No : 4

Start Time	Hanover Street Southbound				Rockland Street (Route 139) Westbound				Rockland Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 07:30 AM													
07:30 AM	8	1	0	9	0	125	0	125	146	8	0	154	288
07:45 AM	5	2	0	7	0	108	0	108	157	14	0	171	286
08:00 AM	12	1	0	13	1	118	0	119	126	7	0	133	265
08:15 AM	10	1	0	11	2	116	0	118	138	22	0	160	289
Total Volume	35	5	0	40	3	467	0	470	567	51	0	618	1128
% App. Total	87.5	12.5	0		0.6	99.4	0		91.7	8.3	0		
PHF	.729	.625	.000	.769	.375	.934	.000	.940	.903	.580	.000	.904	.976
Cars	32	5	0	37	3	442	0	445	526	49	0	575	1057
% Cars	91.4	100	0	92.5	100	94.6	0	94.7	92.8	96.1	0	93.0	93.7
Buses	1	0	0	1	0	10	0	10	11	0	0	11	22
% Buses	2.9	0	0	2.5	0	2.1	0	2.1	1.9	0	0	1.8	2.0
Trucks	2	0	0	2	0	15	0	15	30	2	0	32	49
% Trucks	5.7	0	0	5.0	0	3.2	0	3.2	5.3	3.9	0	5.2	4.3



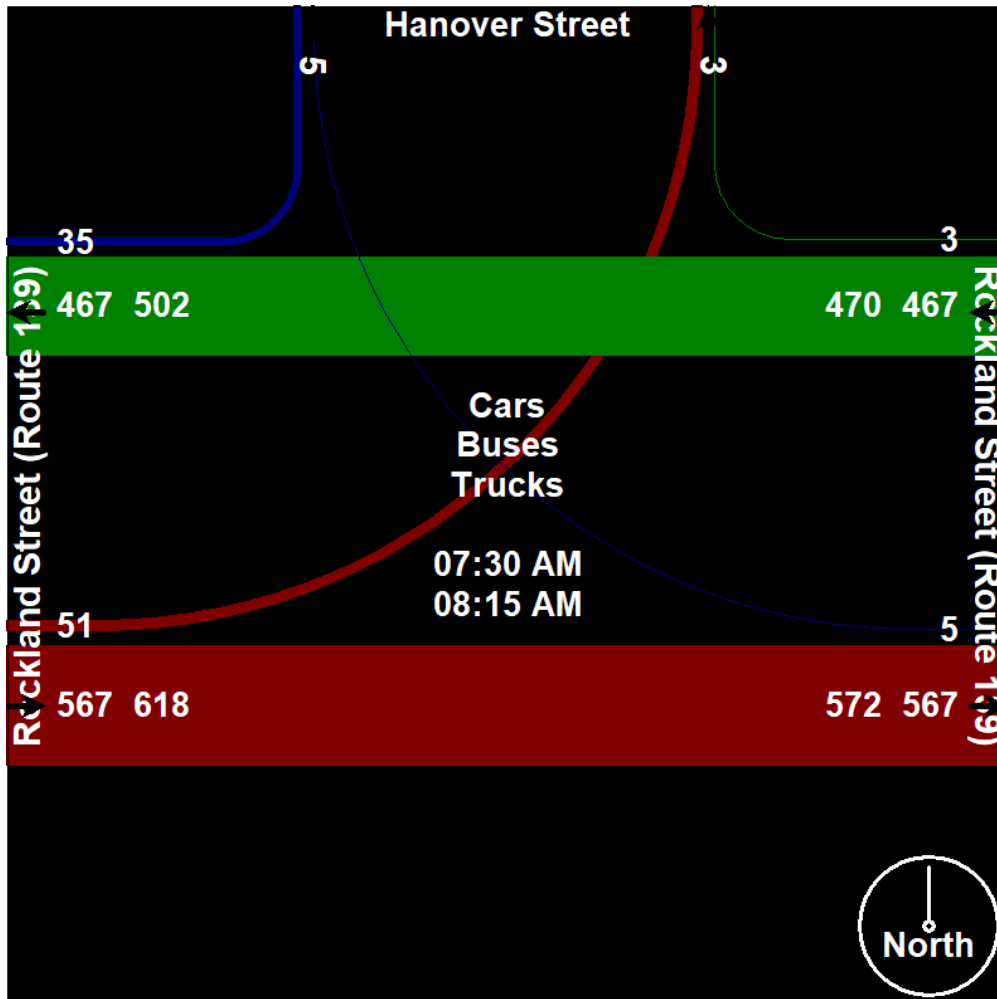


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Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (4) / SB
Traffic Control: Stop Sign

File Name : Rockland Street (Route 139) & Hanover Street_AM
Site Code : 122
Start Date : 10/16/2019
Page No : 5



Old Colony Planning Council Intersection Bicycle Directional Counting Field Sheet

Community: Hanover, MA

Street: Hanover Street (Route 139)

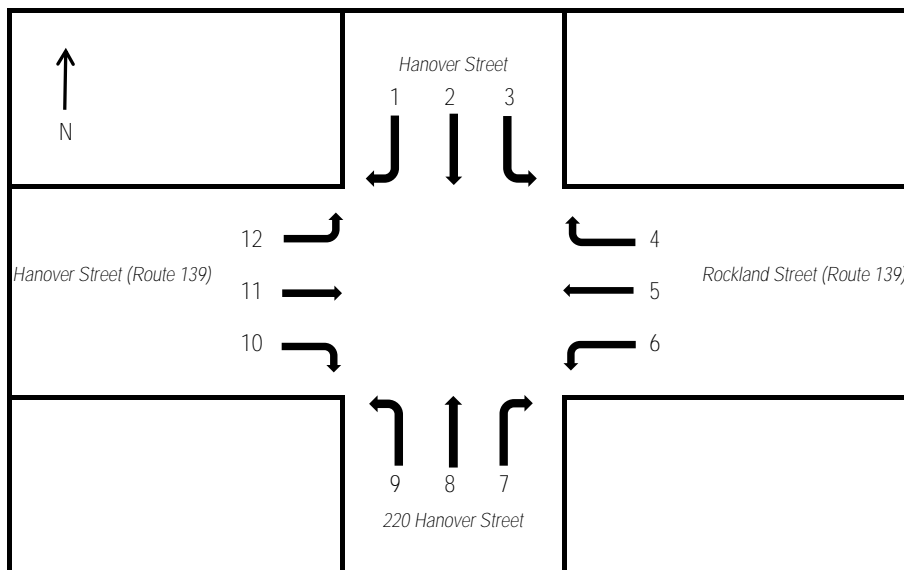
Location: @ Rockland Street (Route 139)/Hanover Street

Weather: Sunny

Board #: DB-400 (4)

Staff: SB

Date: 10/16/2019



Interval	1	2	3	4	5	6	7	8	9	10	11	12
7:00 AM - 7:15 AM												
7:15 AM - 7:30 AM												
7:30 AM - 7:45 AM												
7:45 AM - 8:00 AM											1	
8:00 AM - 8:15 AM												
8:15 AM - 8:30 AM												
8:30 AM - 8:45 AM					1							
8:45 AM - 9:00 AM											1	
Total	0	0	0	0	1	0	0	0	0	0	2	0

Comments: _____



Old Colony Planning Council

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

File Name : Rockland Street (Route 139) & Hanover Street_PM
 Site Code : 122
 Start Date : 10/23/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Hanover Street Southbound				Rockland Street (Route 139) Westbound				Rockland Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
04:00 PM	24	7	0	31	2	157	0	159	142	6	0	148	338
04:15 PM	22	1	0	23	5	164	0	169	131	9	0	140	332
04:30 PM	25	3	1	29	1	151	0	152	148	10	0	158	339
04:45 PM	17	4	0	21	3	165	0	168	169	8	0	177	366
Total	88	15	1	104	11	637	0	648	590	33	0	623	1375
05:00 PM	20	5	0	25	3	183	0	186	171	11	0	182	393
05:15 PM	28	2	0	30	4	153	0	157	163	4	0	167	354
05:30 PM	21	2	0	23	3	141	0	144	151	5	0	156	323
05:45 PM	26	5	0	31	4	133	0	137	128	4	0	132	300
Total	95	14	0	109	14	610	0	624	613	24	0	637	1370
Grand Total	183	29	1	213	25	1247	0	1272	1203	57	0	1260	2745
Apprch %	85.9	13.6	0.5		2	98	0		95.5	4.5	0		
Total %	6.7	1.1	0	7.8	0.9	45.4	0	46.3	43.8	2.1	0	45.9	
Cars	180	29	0	209	24	1210	0	1234	1174	57	0	1231	2674
% Cars	98.4	100	0	98.1	96	97	0	97	97.6	100	0	97.7	97.4
Buses	1	0	0	1	0	9	0	9	3	0	0	3	13
% Buses	0.5	0	0	0.5	0	0.7	0	0.7	0.2	0	0	0.2	0.5
Trucks	2	0	1	3	1	28	0	29	26	0	0	26	58
% Trucks	1.1	0	100	1.4	4	2.2	0	2.3	2.2	0	0	2.1	2.1

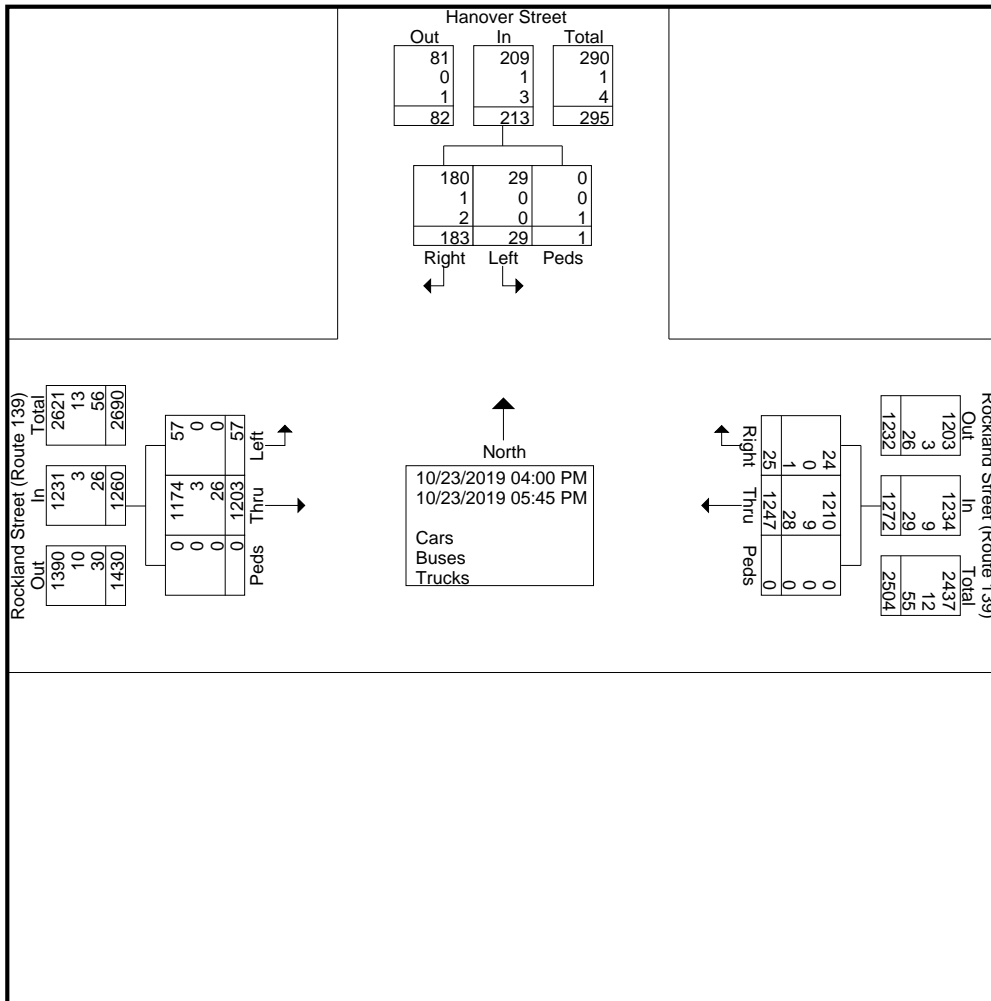


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Community: Hanover
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 Traffic Control: Stop Sign

File Name : Rockland Street (Route 139) & Hanover Street_PM
 Site Code : 122
 Start Date : 10/23/2019
 Page No : 2



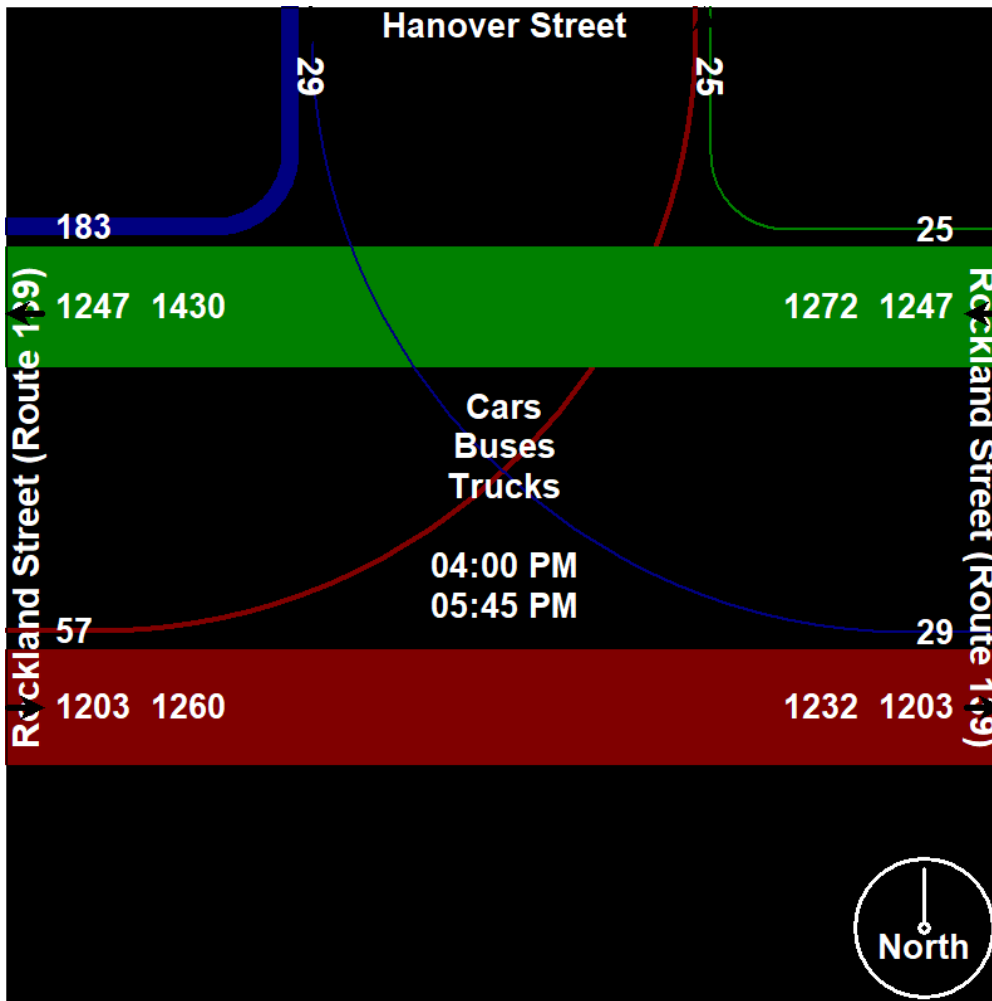


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File Name : Rockland Street (Route 139) & Hanover Street_PM
Site Code : 122
Start Date : 10/23/2019
Page No : 3





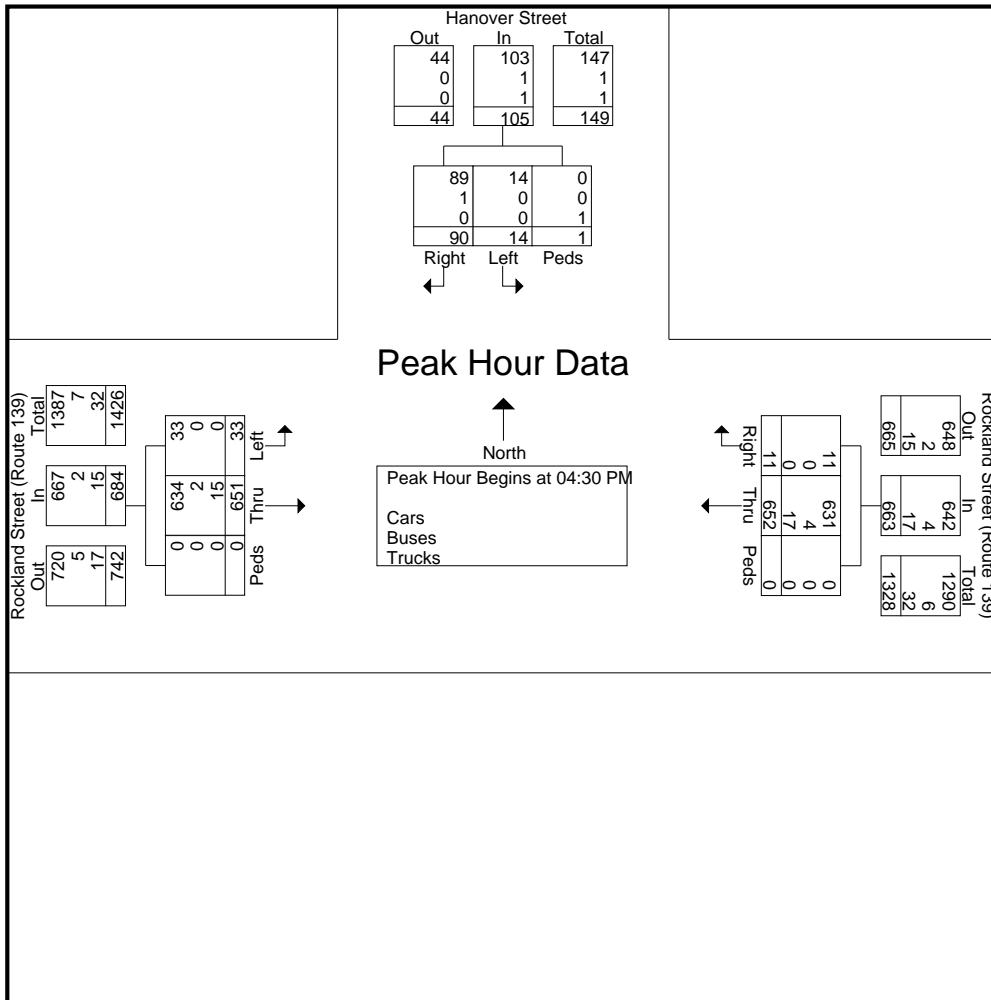
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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (4) / SB
 Traffic Control: Stop Sign

File Name : Rockland Street (Route 139) & Hanover Street_PM
 Site Code : 122
 Start Date : 10/23/2019
 Page No : 4

Start Time	Hanover Street Southbound				Rockland Street (Route 139) Westbound				Rockland Street (Route 139) Eastbound				Int. Total
	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1													
Peak Hour for Entire Intersection Begins at 04:30 PM													
04:30 PM	25	3	1	29	1	151	0	152	148	10	0	158	339
04:45 PM	17	4	0	21	3	165	0	168	169	8	0	177	366
05:00 PM	20	5	0	25	3	183	0	186	171	11	0	182	393
05:15 PM	28	2	0	30	4	153	0	157	163	4	0	167	354
Total Volume	90	14	1	105	11	652	0	663	651	33	0	684	1452
% App. Total	85.7	13.3	1		1.7	98.3	0		95.2	4.8	0		
PHF	.804	.700	.250	.875	.688	.891	.000	.891	.952	.750	.000	.940	.924
Cars	89	14	0	103	11	631	0	642	634	33	0	667	1412
% Cars	98.9	100	0	98.1	100	96.8	0	96.8	97.4	100	0	97.5	97.2
Buses	1	0	0	1	0	4	0	4	2	0	0	2	7
% Buses	1.1	0	0	1.0	0	0.6	0	0.6	0.3	0	0	0.3	0.5
Trucks	0	0	1	1	0	17	0	17	15	0	0	15	33
% Trucks	0	0	100	1.0	0	2.6	0	2.6	2.3	0	0	2.2	2.3



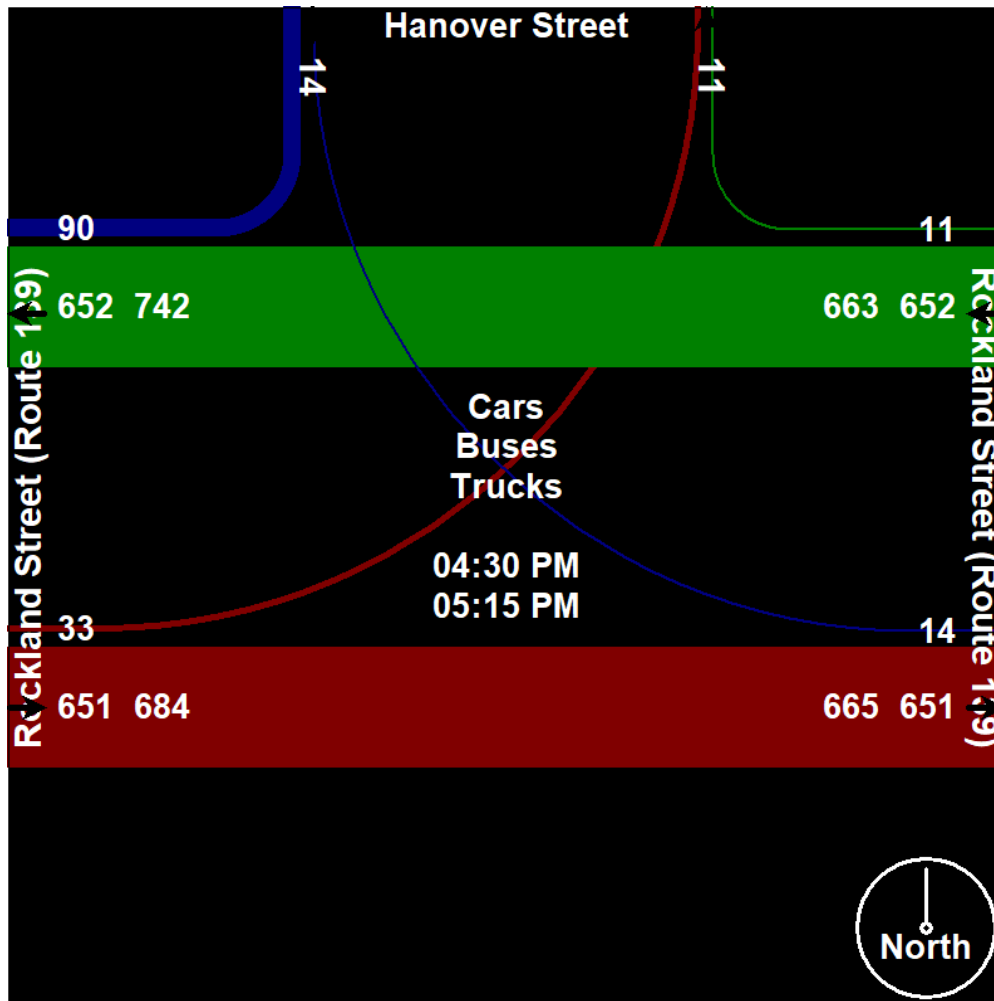


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Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (4) / SB
Traffic Control: Stop Sign

File Name : Rockland Street (Route 139) & Hanover Street_PM
Site Code : 122
Start Date : 10/23/2019
Page No : 5



Old Colony Planning Council Intersection Bicycle Directional Counting Field Sheet

Community: Hanover, MA

Street: Hanover Street (Route 139)

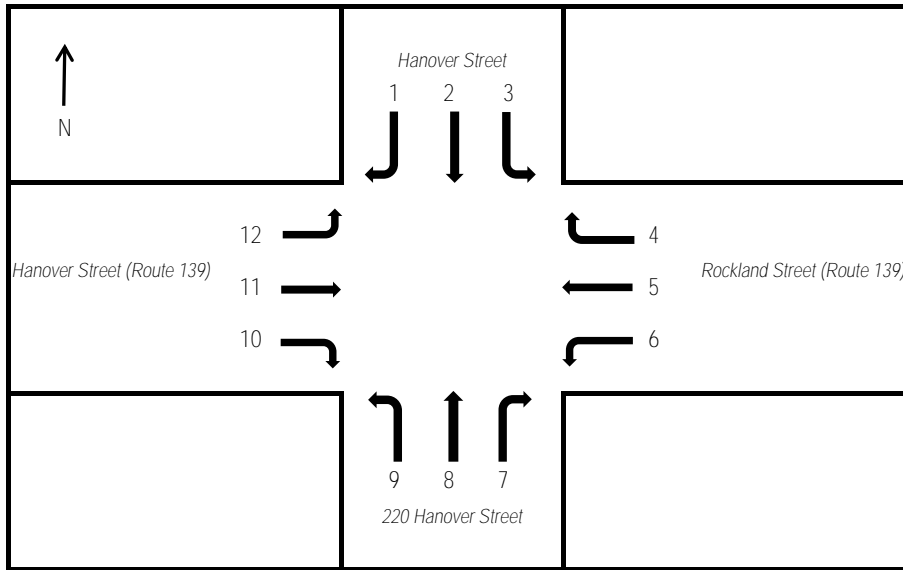
Location: @ Rockland Street (Route 139)/Hanover Street

Weather: Sunny

Board #: DB-400 (4)

Staff: SB

Date: 10/23/2019



Interval	1	2	3	4	5	6	7	8	9	10	11	12
4:00 PM - 4:15 PM												
4:15 PM - 4:30 PM												
4:30 PM - 4:45 PM												
4:45 PM - 5:00 PM												
5:00 PM - 5:15 PM											2	
5:15 PM - 5:30 PM					3							
5:30 PM - 5:45 PM												
5:45 PM - 6:00 PM												
Total	0	0	0	0	3	0	0	0	0	0	2	0

Comments: _____



Old Colony Planning Council

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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (6) / BH
 Traffic Control: Traffic Light

File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_AM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Columbia Road (Route 53) Southbound					Rockland Street Westbound					Columbia Road (Route 53) Northbound					Rockland Street (Route 139) Eastbound					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
07:00 AM	2	32	0	0	34	9	25	0	0	34	1	175	64	0	240	59	9	9	0	77	385
07:15 AM	2	35	10	0	47	15	30	0	0	45	6	220	117	0	343	67	20	5	0	92	527
07:30 AM	7	42	10	0	59	19	45	2	0	66	1	209	149	0	359	81	21	13	0	115	599
07:45 AM	8	44	8	0	60	12	27	5	0	44	1	202	126	0	329	95	25	12	0	132	565
Total	19	153	28	0	200	55	127	7	0	189	9	806	456	0	1271	302	75	39	0	416	2076
08:00 AM	11	69	12	0	92	13	28	1	0	42	2	187	111	0	300	83	23	11	0	117	551
08:15 AM	11	60	9	0	80	14	38	2	0	54	1	171	124	0	296	90	40	21	0	151	581
08:30 AM	14	64	13	0	91	16	34	3	0	53	0	162	121	0	283	74	25	20	0	119	546
08:45 AM	11	89	14	0	114	13	31	2	0	46	1	185	126	0	312	73	38	17	0	128	600
Total	47	282	48	0	377	56	131	8	0	195	4	705	482	0	1191	320	126	69	0	515	2278
Grand Total	66	435	76	0	577	111	258	15	0	384	13	1511	938	0	2462	622	201	108	0	931	4354
Apprch %	11.4	75.4	13.2	0		28.9	67.2	3.9	0		0.5	61.4	38.1	0		66.8	21.6	11.6	0		
Total %	1.5	10	1.7	0	13.3	2.5	5.9	0.3	0	8.8	0.3	34.7	21.5	0	56.5	14.3	4.6	2.5	0	21.4	
Cars	65	422	74	0	561	109	255	15	0	379	13	1479	918	0	2410	596	191	105	0	892	4242
% Cars	98.5	97	97.4	0	97.2	98.2	98.8	100	0	98.7	100	97.9	97.9	0	97.9	95.8	95	97.2	0	95.8	97.4
Buses	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	2	2	0	0	4	6
% Buses	0	0	0	0	0	0.9	0	0	0	0.3	0	0	0.1	0	0	0.3	1	0	0	0.4	0.1
Trucks	1	13	2	0	16	1	3	0	0	4	0	32	19	0	51	24	8	3	0	35	106
% Trucks	1.5	3	2.6	0	2.8	0.9	1.2	0	0	1	0	2.1	2	0	2.1	3.9	4	2.8	0	3.8	2.4

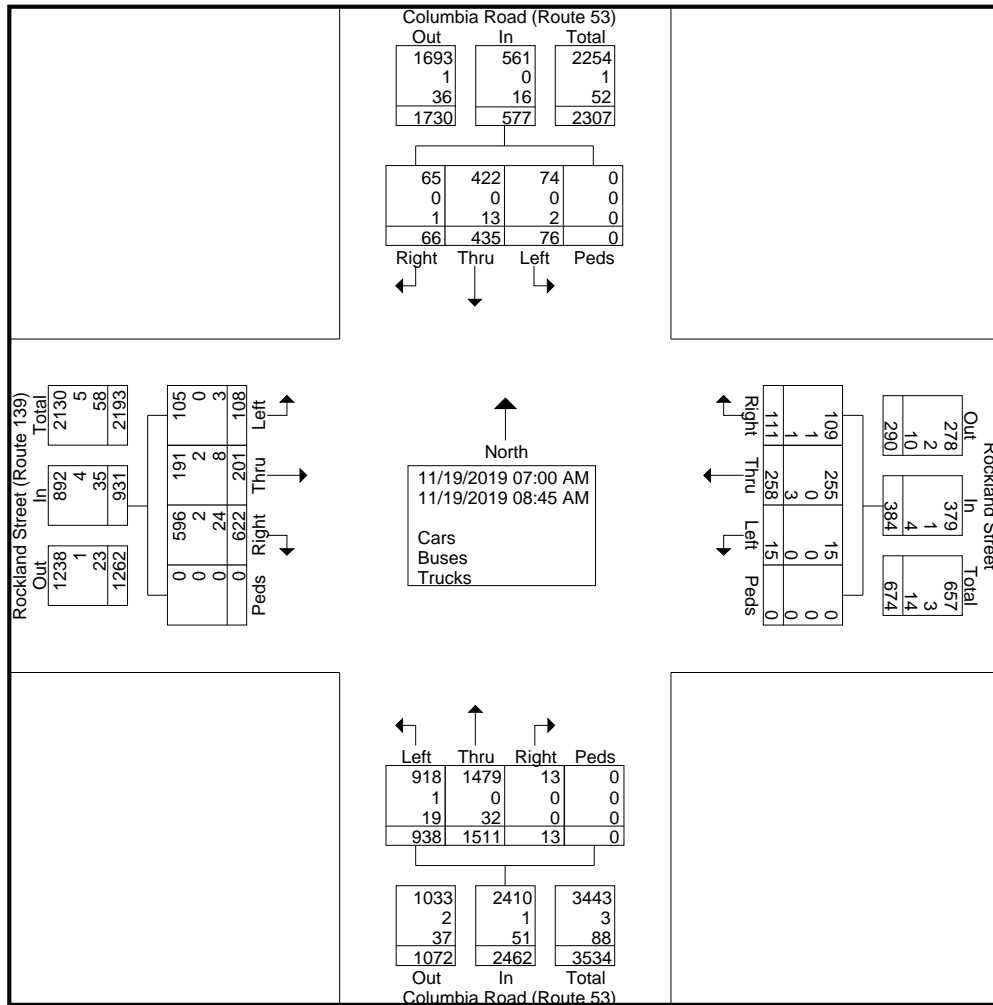


Old Colony Planning Council

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 www.ocpcrpa.org

Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (6) / BH
 Traffic Control: Traffic Light

File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_AM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 2



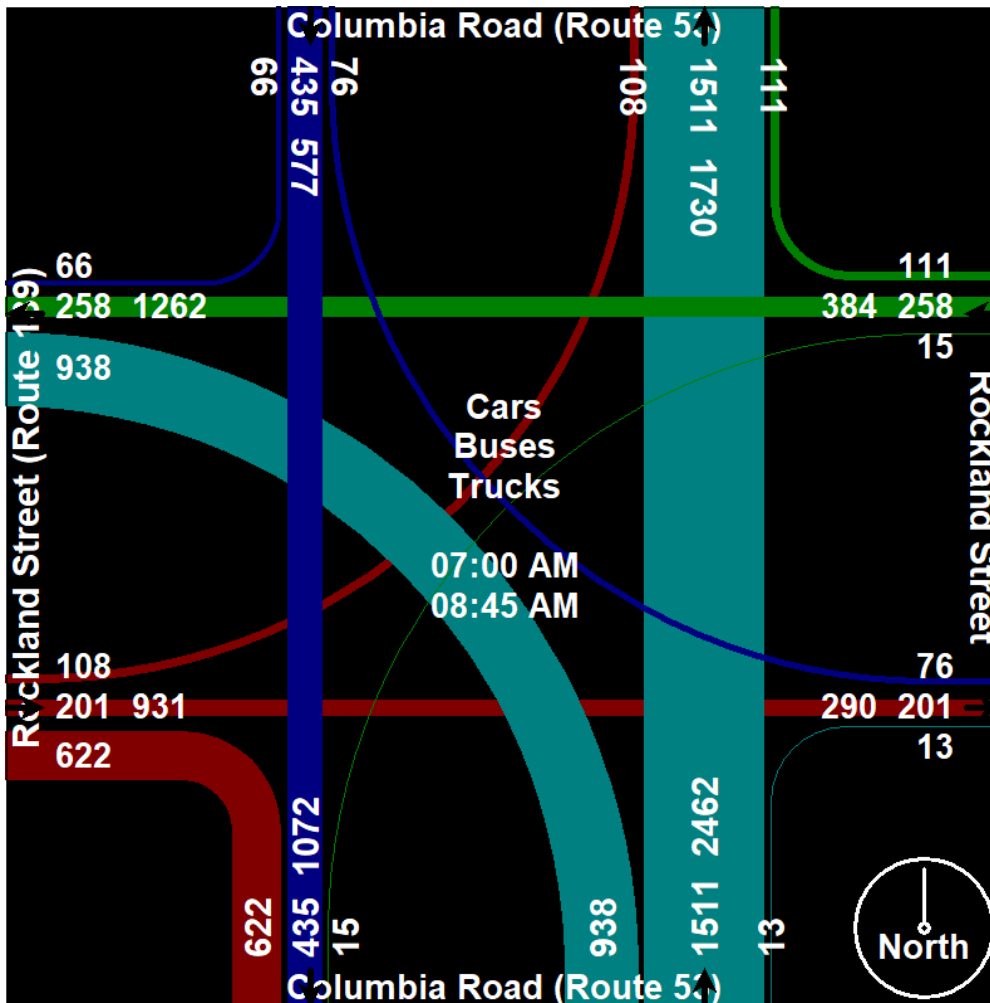


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File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_AM
Site Code : 122
Start Date : 11/19/2019
Page No : 3





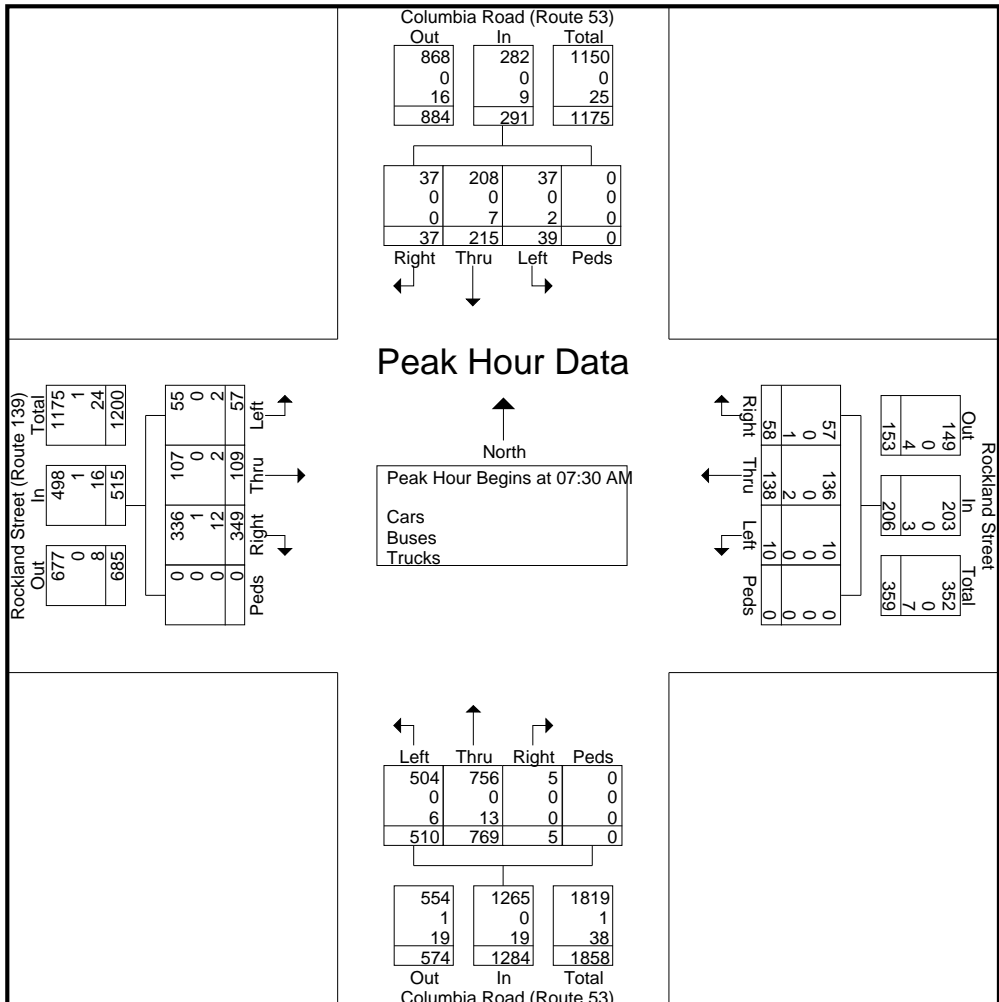
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File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_AM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 4

Start Time	Columbia Road (Route 53) Southbound					Rockland Street Westbound					Columbia Road (Route 53) Northbound					Rockland Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 07:30 AM																						
07:30 AM	7	42	10	0	59	19	45	2	0	66	1	209	149	0	359	81	21	13	0	115	599	
07:45 AM	8	44	8	0	60	12	27	5	0	44	1	202	126	0	329	95	25	12	0	132	565	
08:00 AM	11	69	12	0	92	13	28	1	0	42	2	187	111	0	300	83	23	11	0	117	551	
08:15 AM	11	60	9	0	80	14	38	2	0	54	1	171	124	0	296	90	40	21	0	151	581	
Total Volume	37	215	39	0	291	58	138	10	0	206	5	769	510	0	1284	349	109	57	0	515	2296	
% App. Total	12.7	73.9	13.4	0		28.2	67	4.9	0		0.4	59.9	39.7	0		67.8	21.2	11.1	0			
PHF	.841	.779	.813	.000	.791	.763	.767	.500	.000	.780	.625	.920	.856	.000	.894	.918	.681	.679	.000	.853	.958	
Cars	37	208	37	0	282	57	136	10	0	203	5	756	504	0	1265	336	107	55	0	498	2248	
% Cars	100	96.7	94.9	0	96.9	98.3	98.6	100	0	98.5	100	98.3	98.8	0	98.5	96.3	98.2	96.5	0	96.7	97.9	
Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
% Buses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0	0	0	0.0	
Trucks	0	7	2	0	9	1	2	0	0	3	0	13	6	0	19	12	2	2	0	16	47	
% Trucks	0	3.3	5.1	0	3.1	1.7	1.4	0	0	1.5	0	1.7	1.2	0	1.5	3.4	1.8	3.5	0	3.1	2.0	



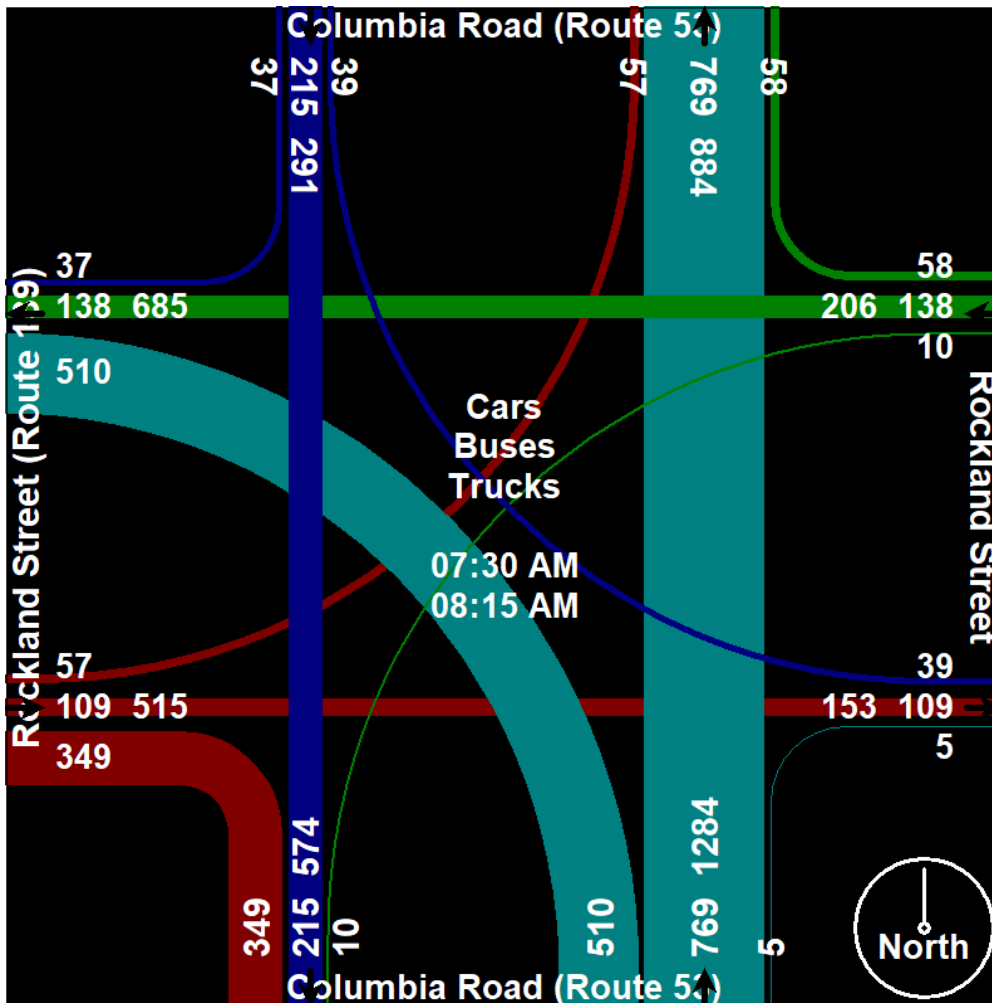


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File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_AM
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File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_PM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 1

Groups Printed- Cars - Buses - Trucks

Start Time	Columbia Road (Route 53) Southbound					Rockland Street Westbound					Columbia Road (Route 53) Northbound					Rockland Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
04:00 PM	24	148	15	0	187	13	72	22	0	107	1	124	116	0	241	105	26	25	0	156	691	
04:15 PM	20	216	16	0	252	19	68	3	0	90	0	127	115	0	242	106	26	39	0	171	755	
04:30 PM	20	203	16	0	239	12	63	11	0	86	3	149	121	0	273	117	20	32	0	169	767	
04:45 PM	12	188	13	0	213	12	45	2	1	60	0	135	124	0	259	134	23	26	0	183	715	
Total	76	755	60	0	891	56	248	38	1	343	4	535	476	0	1015	462	95	122	0	679	2928	
05:00 PM	11	211	11	0	233	10	36	5	0	51	2	132	132	0	266	113	21	30	0	164	714	
05:15 PM	14	207	13	0	234	4	59	17	0	80	0	140	107	0	247	114	30	26	0	170	731	
05:30 PM	16	239	14	0	269	12	28	5	0	45	0	106	98	0	204	110	22	27	0	159	677	
05:45 PM	21	233	6	0	260	9	20	3	0	32	0	93	93	0	186	98	25	17	0	140	618	
Total	62	890	44	0	996	35	143	30	0	208	2	471	430	0	903	435	98	100	0	633	2740	
Grand Total	138	1645	104	0	1887	91	391	68	1	551	6	1006	906	0	1918	897	193	222	0	1312	5668	
Apprch %	7.3	87.2	5.5	0		16.5	71	12.3	0.2		0.3	52.5	47.2	0		68.4	14.7	16.9	0			
Total %	2.4	29	1.8	0	33.3	1.6	6.9	1.2	0	9.7	0.1	17.7	16	0	33.8	15.8	3.4	3.9	0	23.1		
Cars	138	1638	100	0	1876	89	385	67	0	541	6	997	886	0	1889	881	189	219	0	1289	5595	
% Cars	100	99.6	96.2	0	99.4	97.8	98.5	98.5	0	98.2	100	99.1	97.8	0	98.5	98.2	97.9	98.6	0	98.2	98.7	
Buses	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	1	0	0	0	0	1	4
% Buses	0	0.1	0	0	0.1	0	0.3	0	0	0.2	0	0	0.1	0	0.1	0.1	0	0	0	0	0.1	0.1
Trucks	0	6	4	0	10	2	5	1	1	9	0	9	19	0	28	15	4	3	0	22	69	
% Trucks	0	0.4	3.8	0	0.5	2.2	1.3	1.5	100	1.6	0	0.9	2.1	0	1.5	1.7	2.1	1.4	0	1.7	1.2	

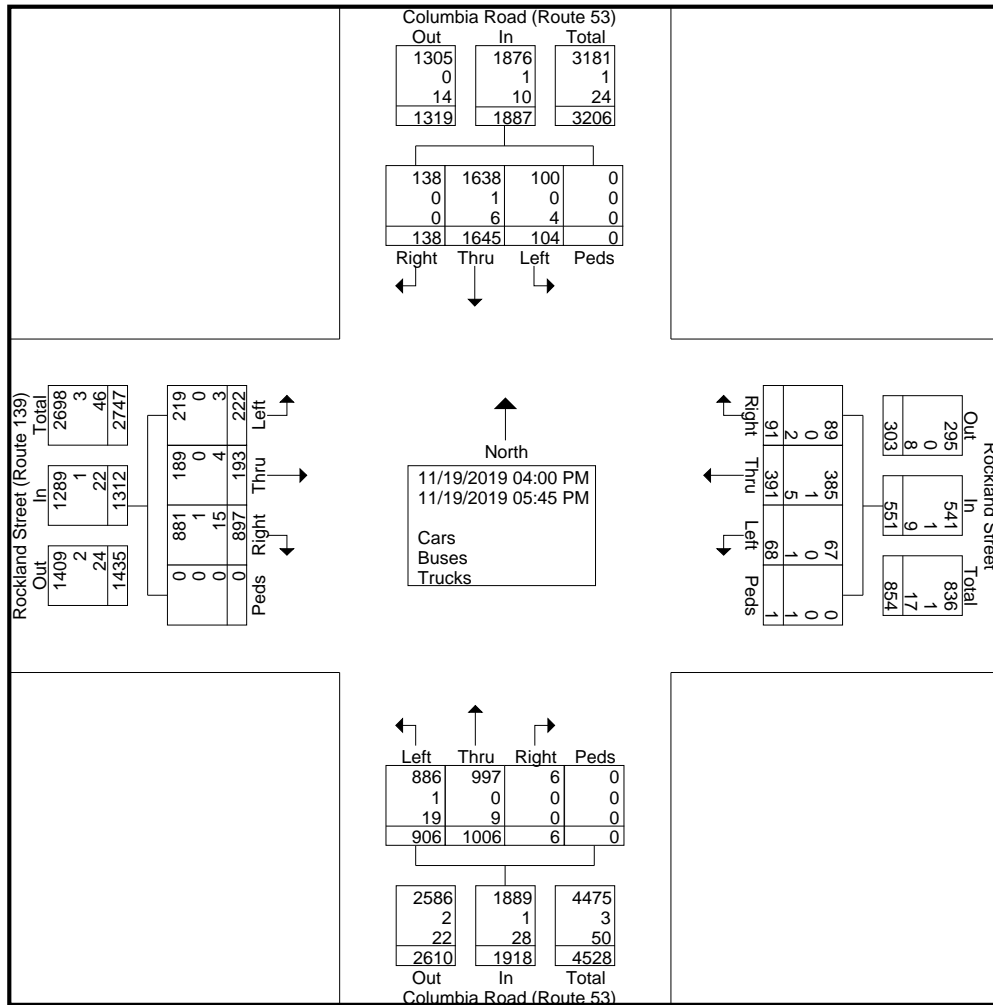


Old Colony Planning Council

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

Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (6) / BH
 Traffic Control: Traffic Light

File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_PM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 2



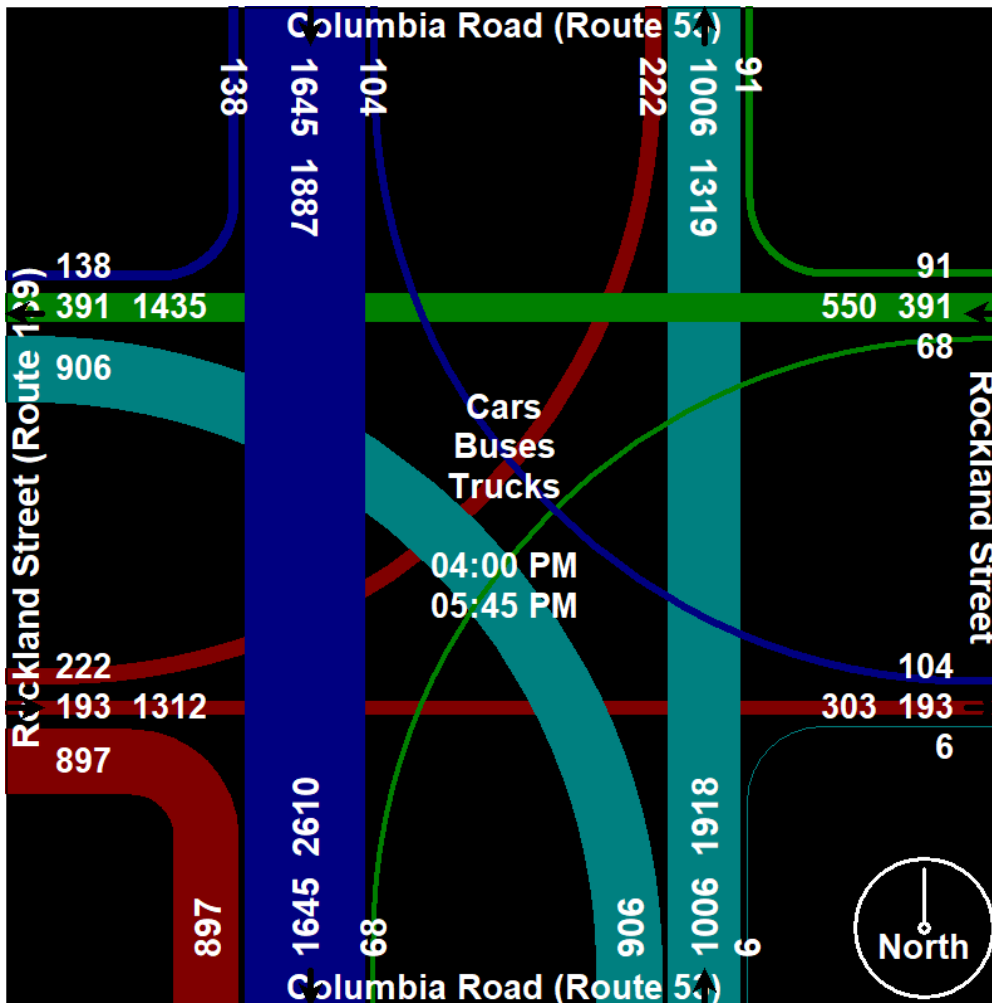


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Site Code : 122
Start Date : 11/19/2019
Page No : 3





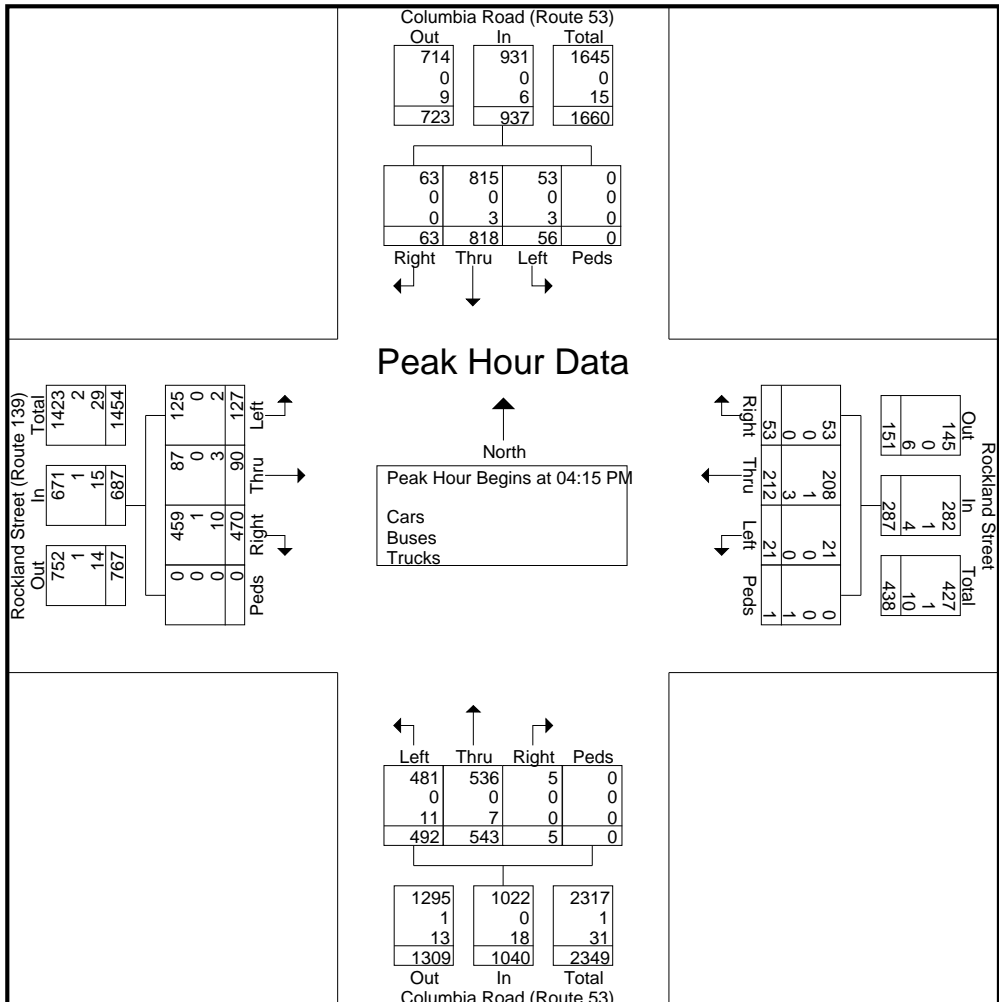
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Community: Hanover
 Weather: Clear
 Board # & Staff: DB-400 (6) / BH
 Traffic Control: Traffic Light

File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_PM
 Site Code : 122
 Start Date : 11/19/2019
 Page No : 4

Start Time	Columbia Road (Route 53) Southbound					Rockland Street Westbound					Columbia Road (Route 53) Northbound					Rockland Street (Route 139) Eastbound					Int. Total	
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total		
Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1																						
Peak Hour for Entire Intersection Begins at 04:15 PM																						
04:15 PM	20	216	16	0	252	19	68	3	0	90	0	127	115	0	242	106	26	39	0	171	755	
04:30 PM	20	203	16	0	239	12	63	11	0	86	3	149	121	0	273	117	20	32	0	169	767	
04:45 PM	12	188	13	0	213	12	45	2	1	60	0	135	124	0	259	134	23	26	0	183	715	
05:00 PM	11	211	11	0	233	10	36	5	0	51	2	132	132	0	266	113	21	30	0	164	714	
Total Volume	63	818	56	0	937	53	212	21	1	287	5	543	492	0	1040	470	90	127	0	687	2951	
% App. Total	6.7	87.3	6	0		18.5	73.9	7.3	0.3		0.5	52.2	47.3	0		68.4	13.1	18.5	0			
PHF	.788	.947	.875	.000	.930	.697	.779	.477	.250	.797	.417	.911	.932	.000	.952	.877	.865	.814	.000	.939	.962	
Cars	63	815	53	0	931	53	208	21	0	282	5	536	481	0	1022	459	87	125	0	671	2906	
% Cars	100	99.6	94.6	0	99.4	100	98.1	100	0	98.3	100	98.7	97.8	0	98.3	97.7	96.7	98.4	0	97.7	98.5	
Buses	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	1	2
% Buses	0	0	0	0	0	0	0.5	0	0	0.3	0	0	0	0	0	0.2	0	0	0	0.1	0.1	
Trucks	0	3	3	0	6	0	3	0	1	4	0	7	11	0	18	10	3	2	0	15	43	
% Trucks	0	0.4	5.4	0	0.6	0	1.4	0	100	1.4	0	1.3	2.2	0	1.7	2.1	3.3	1.6	0	2.2	1.5	



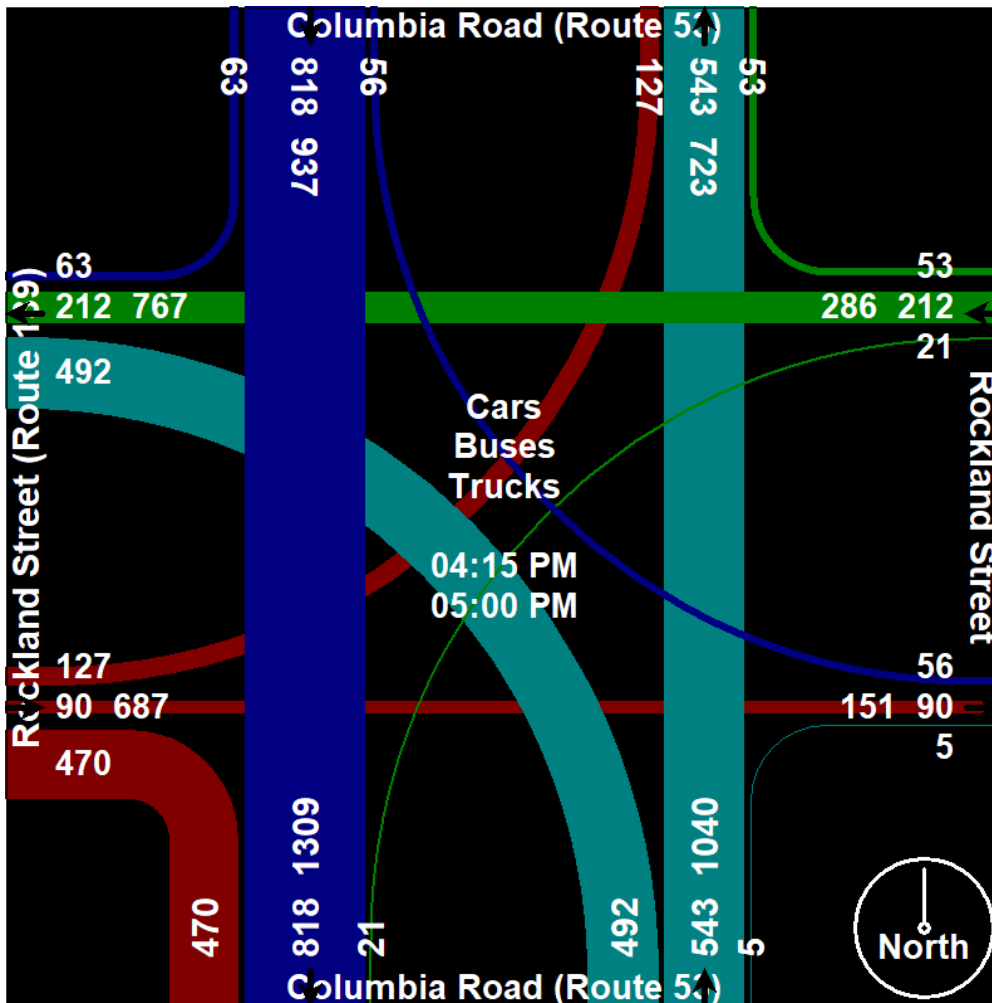


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Community: Hanover
Weather: Clear
Board # & Staff: DB-400 (6) / BH
Traffic Control: Traffic Light

















File Name : Rockland Street (Route 139) & Columbia Road (Route 53)_PM
Site Code : 122
Start Date : 11/19/2019
Page No : 5



Appendix C
Intersection Levels of Service
(2020 Existing, 2025 No Build, 2025 Improved)

Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
Existing AM Peak LOS

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Future Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.980			0.969			0.987			0.975	
Flt Protected		0.993			0.996			0.992			0.985	
Satd. Flow (prot)	0	3314	0	0	3256	0	0	1772	0	0	1772	0
Flt Permitted		0.640			0.739			0.992			0.985	
Satd. Flow (perm)	0	2136	0	0	2416	0	0	1772	0	0	1772	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		16			31			6			10	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.73	0.73	0.73	0.88	0.88	0.88	0.90	0.90	0.90	0.81	0.81	0.81
Heavy Vehicles (%)	6%	6%	6%	7%	7%	7%	5%	5%	5%	3%	3%	3%
Adj. Flow (vph)	85	436	79	48	402	116	130	567	73	116	199	73
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	600	0	0	566	0	0	770	0	0	388	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Split	NA		Split	NA	
Protected Phases		4			8		2	2		6	6	

Lanes, Volumes, Timings
 3: Circuit Street/Pleasant Street & Route 139

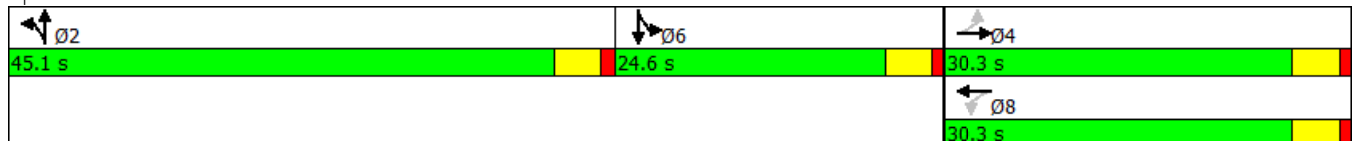
Hanover Route 139 Corridor Study
 Existing AM Peak LOS

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases	4			8								
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	30.3	30.3		30.3	30.3		45.1	45.1		24.6	24.6	
Total Split (%)	30.3%	30.3%		30.3%	30.3%		45.1%	45.1%		24.6%	24.6%	
Maximum Green (s)	25.8	25.8		25.8	25.8		40.6	40.6		20.1	20.1	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)	0.0			0.0			0.0			0.0		
Total Lost Time (s)	4.5			4.5			4.5			4.5		
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)	25.8			25.8			40.6			20.1		
Actuated g/C Ratio	0.26			0.26			0.41			0.20		
v/c Ratio	1.07			0.88			1.07			1.07		
Control Delay	93.3			49.9			82.8			104.5		
Queue Delay	0.0			0.0			0.0			0.0		
Total Delay	93.3			49.9			82.8			104.5		
LOS	F			D			F			F		
Approach Delay	93.3			49.9			82.8			104.5		
Approach LOS	F			D			F			F		

Intersection Summary

















Area Type: Other
 Cycle Length: 100
 Actuated Cycle Length: 100
 Natural Cycle: 100
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.07
 Intersection Signal Delay: 81.1
 Intersection Capacity Utilization 80.6%
 Analysis Period (min) 15
 Intersection LOS: F
 ICU Level of Service D

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139



Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
Existing PM Peak LOS

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Future Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.969			0.987			0.980			0.991	
Flt Protected		0.994			0.991			0.989			0.993	
Satd. Flow (prot)	0	3409	0	0	3462	0	0	1805	0	0	1833	0
Flt Permitted		0.666			0.575			0.989			0.993	
Satd. Flow (perm)	0	2284	0	0	2009	0	0	1805	0	0	1833	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		26			8			7			4	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.86	0.86	0.86	0.90	0.90	0.90
Adj. Flow (vph)	77	399	123	89	373	44	102	291	69	106	576	51
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	599	0	0	506	0	0	462	0	0	733	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Split	NA		Split	NA	
Protected Phases		4			8		2	2		6	6	
Permitted Phases	4			8								

Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

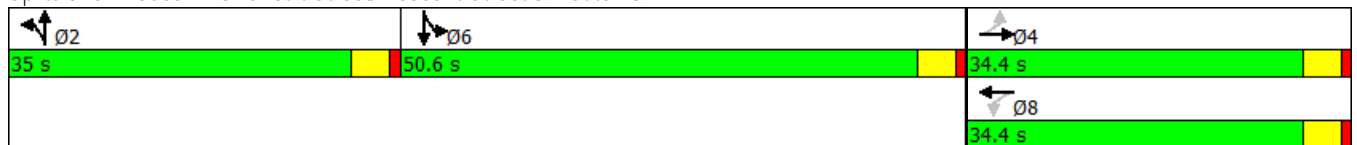
Hanover Route 139 Corridor Study
 Existing PM Peak LOS

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	34.4	34.4		34.4	34.4		35.0	35.0		50.6	50.6	
Total Split (%)	28.7%	28.7%		28.7%	28.7%		29.2%	29.2%		42.2%	42.2%	
Maximum Green (s)	29.9	29.9		29.9	29.9		30.5	30.5		46.1	46.1	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		29.9			29.9			30.5			46.1	
Actuated g/C Ratio		0.25			0.25			0.25			0.38	
v/c Ratio		1.02			1.00			1.00			1.04	
Control Delay		84.8			84.7			85.8			80.7	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		84.8			84.7			85.8			80.7	
LOS		F			F			F			F	
Approach Delay		84.8			84.7			85.8			80.7	
Approach LOS		F			F			F			F	

Intersection Summary

















Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Natural Cycle: 120
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.04
 Intersection Signal Delay: 83.7
 Intersection Capacity Utilization 82.7%
 Analysis Period (min) 15
 Intersection LOS: F
 ICU Level of Service E

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139



Lanes, Volumes, Timings 3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study Projected 2025 AM Peak LOS - No Build

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Future Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.980			0.969			0.987			0.975	
Flt Protected		0.993			0.996			0.992			0.985	
Satd. Flow (prot)	0	3314	0	0	3256	0	0	1772	0	0	1772	0
Flt Permitted		0.596			0.690			0.992			0.985	
Satd. Flow (perm)	0	1989	0	0	2256	0	0	1772	0	0	1772	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		16			31			6			10	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.73	0.73	0.73	0.88	0.88	0.88	0.90	0.90	0.90	0.81	0.81	0.81
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	6%	6%	6%	7%	7%	7%	5%	5%	5%	3%	3%	3%
Adj. Flow (vph)	93	479	87	53	443	128	143	623	81	128	219	80
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	659	0	0	624	0	0	847	0	0	427	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Split	NA		Split	NA	

Lanes, Volumes, Timings

3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study

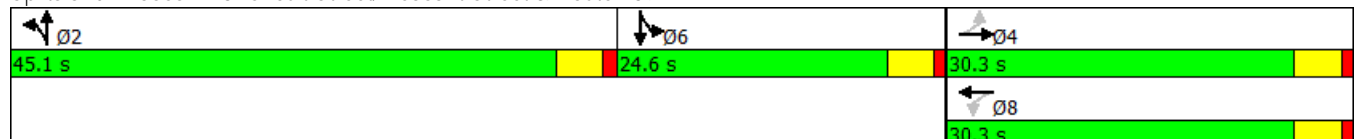
Projected 2025 AM Peak LOS - No Build

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8		2	2		6	6	
Permitted Phases	4			8								
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	30.3	30.3		30.3	30.3		45.1	45.1		24.6	24.6	
Total Split (%)	30.3%	30.3%		30.3%	30.3%		45.1%	45.1%		24.6%	24.6%	
Maximum Green (s)	25.8	25.8		25.8	25.8		40.6	40.6		20.1	20.1	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		25.8			25.8			40.6			20.1	
Actuated g/C Ratio		0.26			0.26			0.41			0.20	
v/c Ratio		1.26			1.03			1.17			1.17	
Control Delay		162.5			80.7			121.4			139.5	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		162.5			80.7			121.4			139.5	
LOS		F			F			F			F	
Approach Delay		162.5			80.7			121.4			139.5	
Approach LOS		F			F			F			F	

Intersection Summary

Area Type:	Other
Cycle Length:	100
Actuated Cycle Length:	100
Natural Cycle:	130
Control Type:	Semi Act-Uncoord
Maximum v/c Ratio:	1.26
Intersection Signal Delay:	125.1
Intersection Capacity Utilization	87.6%
Analysis Period (min)	15
Intersection LOS:	F
ICU Level of Service	E

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139



Lanes, Volumes, Timings
 3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
 Projected 2025 PM Peak LOS - No Build



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Future Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	0		0	0		0
Storage Lanes	1		0	1		0	0		0	0		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.969			0.987			0.980			0.991	
Flt Protected		0.994			0.991			0.989			0.993	
Satd. Flow (prot)	0	3409	0	0	3462	0	0	1805	0	0	1833	0
Flt Permitted		0.622			0.546			0.989			0.993	
Satd. Flow (perm)	0	2133	0	0	1907	0	0	1805	0	0	1833	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		25			8			7			4	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.86	0.86	0.86	0.90	0.90	0.90
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Adj. Flow (vph)	85	439	135	98	411	48	113	320	75	116	633	56
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	659	0	0	557	0	0	508	0	0	805	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Split	NA		Split	NA	
Protected Phases		4			8		2	2		6	6	

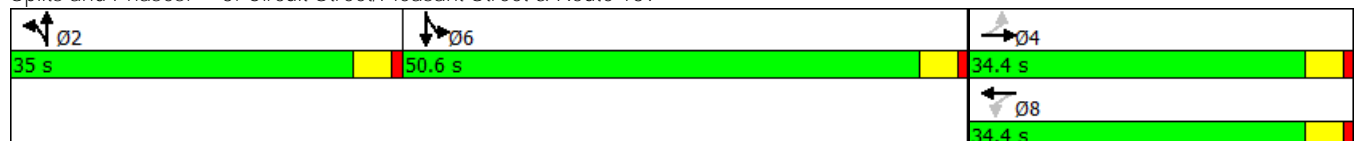
Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases	4			8								
Detector Phase	4	4		8	8		2	2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	34.4	34.4		34.4	34.4		35.0	35.0		50.6	50.6	
Total Split (%)	28.7%	28.7%		28.7%	28.7%		29.2%	29.2%		42.2%	42.2%	
Maximum Green (s)	29.9	29.9		29.9	29.9		30.5	30.5		46.1	46.1	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		29.9			29.9			30.5			46.1	
Actuated g/C Ratio		0.25			0.25			0.25			0.38	
v/c Ratio		1.20			1.16			1.10			1.14	
Control Delay		144.1			132.4			112.5			114.4	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		144.1			132.4			112.5			114.4	
LOS		F			F			F			F	
Approach Delay		144.1			132.4			112.5			114.4	
Approach LOS		F			F			F			F	

Intersection Summary

























Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Natural Cycle: 140
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.20
 Intersection Signal Delay: 125.7 Intersection LOS: F
 Intersection Capacity Utilization 89.8% ICU Level of Service E
 Analysis Period (min) 15

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139



Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
 Projected 2025 AM Peak LOS - Upgrade Signals

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 		 	 		 	 	
Traffic Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Future Volume (vph)	62	318	58	42	354	102	117	510	66	94	161	59
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	50		0	50		0
Storage Lanes	0		0	0		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.980			0.969			0.983			0.960	
Flt Protected		0.993			0.996		0.950			0.950		
Satd. Flow (prot)	0	3314	0	0	3256	0	1719	1779	0	1752	1771	0
Flt Permitted		0.635			0.736		0.469			0.080		
Satd. Flow (perm)	0	2119	0	0	2406	0	849	1779	0	148	1771	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		15			28			7			19	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.73	0.73	0.73	0.88	0.88	0.88	0.90	0.90	0.90	0.81	0.81	0.81
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	6%	6%	6%	7%	7%	7%	5%	5%	5%	3%	3%	3%
Adj. Flow (vph)	93	479	87	53	443	128	143	623	81	128	219	80
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	659	0	0	624	0	143	704	0	128	299	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	

Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
 Projected 2025 AM Peak LOS - Upgrade Signals

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8		5	2		1	6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	43.0	43.0		43.0	43.0		22.6	54.4		22.6	54.4	
Total Split (%)	35.8%	35.8%		35.8%	35.8%		18.8%	45.3%		18.8%	45.3%	
Maximum Green (s)	38.5	38.5		38.5	38.5		18.1	49.9		18.1	49.9	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5			4.5		4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Max	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		38.0			38.0		68.0	49.9		68.0	49.9	
Actuated g/C Ratio		0.32			0.32		0.57	0.42		0.57	0.42	
v/c Ratio		0.96			0.80		0.23	0.94		0.39	0.40	
Control Delay		66.4			44.3		11.3	55.6		19.9	24.7	
Queue Delay		0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay		66.4			44.3		11.3	55.6		19.9	24.7	
LOS		E			D		B	E		B	C	
Approach Delay		66.4			44.3			48.2			23.3	
Approach LOS		E			D			D			C	

Intersection Summary
























Area Type:	Other
Cycle Length:	120
Actuated Cycle Length:	119.5
Natural Cycle:	110
Control Type:	Semi Act-Uncoord
Maximum v/c Ratio:	0.96
Intersection Signal Delay:	47.8
Intersection Capacity Utilization	84.0%
Analysis Period (min)	15
Intersection LOS:	D
ICU Level of Service	E

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139

Ø1	Ø2	Ø4
22.6 s	54.4 s	43 s
Ø5	Ø6	Ø8
22.6 s	54.4 s	43 s

Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

Hanover Route 139 Corridor Study
 Projected 2025 PM Peak LOS Signal Upgrade

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 		 	 		 		
Traffic Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Future Volume (vph)	71	367	113	84	351	41	88	250	59	95	518	46
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100		0	100		0	50		0	50		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	0.95	0.95	0.95	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.969			0.987			0.972			0.988	
Flt Protected		0.994			0.991		0.950			0.950		
Satd. Flow (prot)	0	3409	0	0	3462	0	1770	1811	0	1770	1840	0
Flt Permitted		0.711			0.612		0.294			0.254		
Satd. Flow (perm)	0	2438	0	0	2138	0	548	1811	0	473	1840	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		41			13			15			7	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		1467			1345			743			714	
Travel Time (s)		33.3			30.6			16.9			16.2	
Peak Hour Factor	0.92	0.92	0.92	0.94	0.94	0.94	0.86	0.86	0.86	0.90	0.90	0.90
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Adj. Flow (vph)	85	439	135	98	411	48	113	320	75	116	633	56
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	659	0	0	557	0	113	395	0	116	689	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		pm+pt	NA		pm+pt	NA	
Protected Phases		4			8		5	2		1	6	

Lanes, Volumes, Timings
3: Circuit Street/Pleasant Street & Route 139

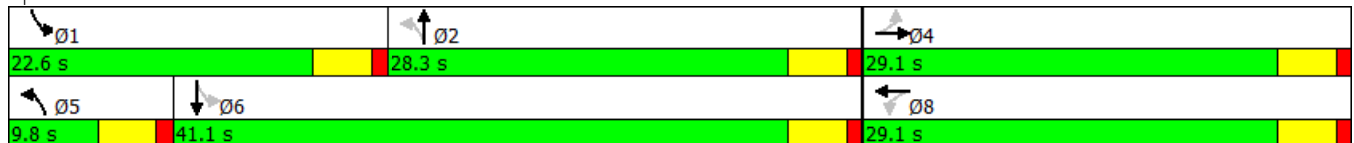
Hanover Route 139 Corridor Study
 Projected 2025 PM Peak LOS Signal Upgrade

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		9.5	22.5		22.5	22.5	
Total Split (s)	29.1	29.1		29.1	29.1		9.8	28.3		22.6	41.1	
Total Split (%)	36.4%	36.4%		36.4%	36.4%		12.3%	35.4%		28.3%	51.4%	
Maximum Green (s)	24.6	24.6		24.6	24.6		5.3	23.8		18.1	36.6	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0		0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5			4.5		4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		None	Max		Max	Max	
Walk Time (s)	7.0	7.0		7.0	7.0			7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0			11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0			0		0	0	
Act Effct Green (s)		22.8			22.8		29.1	23.8		46.5	38.8	
Actuated g/C Ratio		0.29			0.29		0.37	0.30		0.59	0.50	
v/c Ratio		0.89			0.88		0.40	0.70		0.20	0.75	
Control Delay		41.0			43.0		14.2	31.8		8.3	24.2	
Queue Delay		0.0			0.0		0.0	0.0		0.0	0.0	
Total Delay		41.0			43.0		14.2	31.8		8.3	24.2	
LOS		D			D		B	C		A	C	
Approach Delay		41.0			43.0			27.8			21.9	
Approach LOS		D			D			C			C	

Intersection Summary

Area Type: Other
 Cycle Length: 80
 Actuated Cycle Length: 78.3
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.89
 Intersection Signal Delay: 32.7
 Intersection Capacity Utilization 85.6%
 Analysis Period (min) 15
 Intersection LOS: C
 ICU Level of Service E

Splits and Phases: 3: Circuit Street/Pleasant Street & Route 139



HCM 6th TWSC
3: Plain Street & Route 139

Hanover Route 139 Corridor Study
Existing AM Peak LOS

Intersection

Int Delay, s/veh 22.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	31	352	22	2	345	7	45	115	4	7	37	57
Future Vol, veh/h	31	352	22	2	345	7	45	115	4	7	37	57
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	78	78	78	73	73	73	74	74	74
Heavy Vehicles, %	6	6	6	5	5	5	5	5	5	9	9	9
Mvmt Flow	34	391	24	3	442	9	62	158	5	9	50	77

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	451	0	0	415	0	0	987	928	403	1006	936	447
Stage 1	-	-	-	-	-	-	471	471	-	453	453	-
Stage 2	-	-	-	-	-	-	516	457	-	553	483	-
Critical Hdwy	4.16	-	-	4.15	-	-	7.15	6.55	6.25	7.19	6.59	6.29
Critical Hdwy Stg 1	-	-	-	-	-	-	6.15	5.55	-	6.19	5.59	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.15	5.55	-	6.19	5.59	-
Follow-up Hdwy	2.254	-	-	2.245	-	-	3.545	4.045	3.345	3.581	4.081	3.381
Pot Cap-1 Maneuver	1089	-	-	1128	-	-	224	265	641	213	258	597
Stage 1	-	-	-	-	-	-	568	554	-	573	558	-
Stage 2	-	-	-	-	-	-	536	563	-	505	541	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1089	-	-	1128	-	-	159	253	641	103	246	597
Mov Cap-2 Maneuver	-	-	-	-	-	-	159	253	-	103	246	-
Stage 1	-	-	-	-	-	-	545	531	-	550	556	-
Stage 2	-	-	-	-	-	-	423	561	-	338	519	-

Approach	EB		WB		NB		SB
HCM Control Delay, s	0.6		0		113		24.2
HCM LOS					F		C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	220	1089	-	-	1128	-	-	322
HCM Lane V/C Ratio	1.021	0.032	-	-	0.002	-	-	0.424
HCM Control Delay (s)	113	8.4	0	-	8.2	0	-	24.2
HCM Lane LOS	F	A	A	-	A	A	-	C
HCM 95th %tile Q(veh)	9.5	0.1	-	-	0	-	-	2

HCM 6th TWSC
3: Plain Street & Route 139

Hanover Route 139 Corridor Study
Existing PM Peak LOS

Intersection												
Int Delay, s/veh	12.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	32	370	23	4	424	11	15	47	5	15	109	32
Future Vol, veh/h	32	370	23	4	424	11	15	47	5	15	109	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	73	73	73	89	89	89	80	80	80	91	91	91
Heavy Vehicles, %	3	3	3	2	2	2	2	2	2	2	2	2
Mvmt Flow	44	507	32	4	476	12	19	59	6	16	120	35
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	488	0	0	539	0	0	1179	1107	523	1134	1117	482
Stage 1	-	-	-	-	-	-	611	611	-	490	490	-
Stage 2	-	-	-	-	-	-	568	496	-	644	627	-
Critical Hdwy	4.13	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.227	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1070	-	-	1029	-	-	167	210	554	180	207	584
Stage 1	-	-	-	-	-	-	481	484	-	560	549	-
Stage 2	-	-	-	-	-	-	508	545	-	461	476	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1070	-	-	1029	-	-	76	197	554	131	194	584
Mov Cap-2 Maneuver	-	-	-	-	-	-	76	197	-	131	194	-
Stage 1	-	-	-	-	-	-	453	455	-	527	546	-
Stage 2	-	-	-	-	-	-	371	542	-	374	448	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.6			0.1			55.1			67.7		
HCM LOS							F			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	151	1070	-	-	1029	-	-	213				
HCM Lane V/C Ratio	0.555	0.041	-	-	0.004	-	-	0.805				
HCM Control Delay (s)	55.1	8.5	0	-	8.5	0	-	67.7				
HCM Lane LOS	F	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	2.8	0.1	-	-	0	-	-	5.8				

HCM 6th TWSC
 3: Plain Street & Route 139

Hanover Route 139 Corridor Study
 Estimated 2025 AM Peak LOS - No Build

Intersection												
Int Delay, s/veh	35.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	31	352	22	2	345	7	45	115	4	7	37	57
Future Vol, veh/h	31	352	22	2	345	7	45	115	4	7	37	57
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	78	78	78	73	73	73	74	74	74
Heavy Vehicles, %	6	6	6	5	5	5	5	5	5	9	9	9
Mvmt Flow	37	415	26	3	469	10	65	167	6	10	53	82

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	479	0	0	441	0	0	1050	987	428	1069	995	474
Stage 1	-	-	-	-	-	-	502	502	-	480	480	-
Stage 2	-	-	-	-	-	-	548	485	-	589	515	-
Critical Hdwy	4.16	-	-	4.15	-	-	7.15	6.55	6.25	7.19	6.59	6.29
Critical Hdwy Stg 1	-	-	-	-	-	-	6.15	5.55	-	6.19	5.59	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.15	5.55	-	6.19	5.59	-
Follow-up Hdwy	2.254	-	-	2.245	-	-	3.545	4.045	3.345	3.581	4.081	3.381
Pot Cap-1 Maneuver	1063	-	-	1103	-	-	202	244	620	193	238	576
Stage 1	-	-	-	-	-	-	546	537	-	554	543	-
Stage 2	-	-	-	-	-	-	515	547	-	482	523	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1063	-	-	1103	-	-	137	232	620	77	226	576
Mov Cap-2 Maneuver	-	-	-	-	-	-	137	232	-	77	226	-
Stage 1	-	-	-	-	-	-	521	512	-	529	541	-
Stage 2	-	-	-	-	-	-	397	545	-	307	499	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	0	180.5	29.8
HCM LOS			F	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	197	1063	-	-	1103	-	-	286
HCM Lane V/C Ratio	1.209	0.034	-	-	0.002	-	-	0.506
HCM Control Delay (s)	180.5	8.5	0	-	8.3	0	-	29.8
HCM Lane LOS	F	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	12.4	0.1	-	-	0	-	-	2.7

















HCM 6th TWSC
3: Plain Street & Route 139

Hanover Route 139 Corridor Study
Estimated 2025 PM Peak LOS - No Build

Intersection												
Int Delay, s/veh	19.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	32	370	23	4	424	11	15	47	5	15	109	32
Future Vol, veh/h	32	370	23	4	424	11	15	47	5	15	109	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	73	73	73	89	89	89	80	80	80	91	91	91
Heavy Vehicles, %	3	3	3	2	2	2	2	2	2	2	2	2
Mvmt Flow	46	537	33	5	505	13	20	62	7	17	127	37
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	518	0	0	570	0	0	1250	1174	554	1202	1184	512
Stage 1	-	-	-	-	-	-	646	646	-	522	522	-
Stage 2	-	-	-	-	-	-	604	528	-	680	662	-
Critical Hdwy	4.13	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.227	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	1043	-	-	1002	-	-	150	192	532	161	189	562
Stage 1	-	-	-	-	-	-	460	467	-	538	531	-
Stage 2	-	-	-	-	-	-	485	528	-	441	459	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1043	-	-	1002	-	-	55	178	532	110	175	562
Mov Cap-2 Maneuver	-	-	-	-	-	-	55	178	-	110	175	-
Stage 1	-	-	-	-	-	-	430	437	-	503	527	-
Stage 2	-	-	-	-	-	-	341	524	-	349	429	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.6			0.1			87.5			103.4		
HCM LOS							F			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	123	1043	-	-	1002	-	-	191				
HCM Lane V/C Ratio	0.722	0.045	-	-	0.005	-	-	0.951				
HCM Control Delay (s)	87.5	8.6	0	-	8.6	0	-	103.4				
HCM Lane LOS	F	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	4	0.1	-	-	0	-	-	7.7				

Lanes, Volumes, Timings
3: Plain Street & Route 139













Hanover Route 139 Corridor Study
Estimated 2025 AM Peak LOS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	31	352	22	2	345	7	45	115	4	7	37	57
Future Volume (vph)	31	352	22	2	345	7	45	115	4	7	37	57
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.993			0.997			0.997			0.924	
Flt Protected		0.996						0.987			0.997	
Satd. Flow (prot)	0	1773	0	0	1804	0	0	1781	0	0	1606	0
Flt Permitted		0.941			0.997			0.874			0.970	
Satd. Flow (perm)	0	1675	0	0	1799	0	0	1577	0	0	1562	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		8			3			3			82	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		992			1008			567			485	
Travel Time (s)		22.5			22.9			12.9			11.0	
Peak Hour Factor	0.90	0.90	0.90	0.78	0.78	0.78	0.73	0.73	0.73	0.74	0.74	0.74
Growth Factor	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%
Heavy Vehicles (%)	6%	6%	6%	5%	5%	5%	5%	5%	5%	9%	9%	9%
Adj. Flow (vph)	37	415	26	3	469	10	65	167	6	10	53	82
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	478	0	0	482	0	0	238	0	0	145	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	

Lanes, Volumes, Timings
3: Plain Street & Route 139

Hanover Route 139 Corridor Study

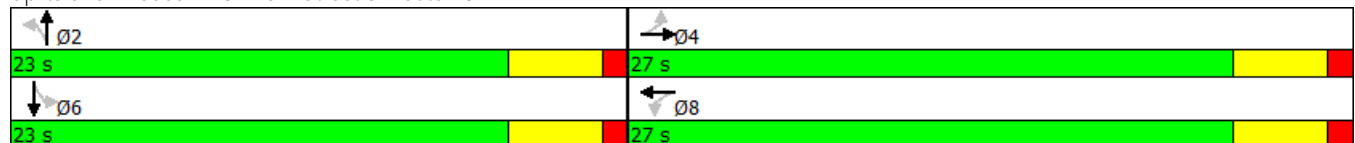
Estimated 2025 AM Peak LOS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	27.0	27.0		27.0	27.0		23.0	23.0		23.0	23.0	
Total Split (%)	54.0%	54.0%		54.0%	54.0%		46.0%	46.0%		46.0%	46.0%	
Maximum Green (s)	22.5	22.5		22.5	22.5		18.5	18.5		18.5	18.5	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effect Green (s)		15.0			15.0			10.9			10.9	
Actuated g/C Ratio		0.42			0.42			0.31			0.31	
v/c Ratio		0.67			0.63			0.49			0.27	
Control Delay		13.8			12.7			14.8			7.1	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		13.8			12.7			14.8			7.1	
LOS		B			B			B			A	
Approach Delay		13.8			12.7			14.8			7.1	
Approach LOS		B			B			B			A	

Intersection Summary

Area Type: Other
 Cycle Length: 50
 Actuated Cycle Length: 35.5
 Natural Cycle: 50
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 0.67
 Intersection Signal Delay: 12.9
 Intersection Capacity Utilization 68.2%
 Analysis Period (min) 15
 Intersection LOS: B
 ICU Level of Service C

















Splits and Phases: 3: Plain Street & Route 139



Lanes, Volumes, Timings 3: Plain Street & Route 139

Hanover Route 139 Corridor Study

Estimated 2025 PM Peak LOS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	32	370	23	4	424	11	15	47	5	15	109	32
Future Volume (vph)	32	370	23	4	424	11	15	47	5	15	109	32
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.993			0.997			0.989			0.972	
Flt Protected		0.996						0.989			0.995	
Satd. Flow (prot)	0	1824	0	0	1857	0	0	1822	0	0	1802	0
Flt Permitted		0.939			0.994			0.898			0.965	
Satd. Flow (perm)	0	1720	0	0	1846	0	0	1654	0	0	1747	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		7			3			7			29	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		992			1008			567			485	
Travel Time (s)		22.5			22.9			12.9			11.0	
Peak Hour Factor	0.73	0.73	0.73	0.89	0.89	0.89	0.80	0.80	0.80	0.91	0.91	0.91
Growth Factor	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%	106%
Heavy Vehicles (%)	3%	3%	3%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Adj. Flow (vph)	46	537	33	5	505	13	20	62	7	17	127	37
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	616	0	0	523	0	0	89	0	0	181	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	

Lanes, Volumes, Timings

3: Plain Street & Route 139

Hanover Route 139 Corridor Study

Estimated 2025 PM Peak LOS - Signalized

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	27.0	27.0		27.0	27.0		23.0	23.0		23.0	23.0	
Total Split (%)	54.0%	54.0%		54.0%	54.0%		46.0%	46.0%		46.0%	46.0%	
Maximum Green (s)	22.5	22.5		22.5	22.5		18.5	18.5		18.5	18.5	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		17.7			17.7			8.7			8.7	
Actuated g/C Ratio		0.49			0.49			0.24			0.24	
v/c Ratio		0.72			0.57			0.22			0.41	
Control Delay		13.3			9.4			12.7			13.7	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		13.3			9.4			12.7			13.7	
LOS		B			A			B			B	
Approach Delay		13.3			9.4			12.7			13.7	
Approach LOS		B			A			B			B	

Intersection Summary

Area Type: Other

Cycle Length: 50

Actuated Cycle Length: 35.8

Natural Cycle: 60

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.72

Intersection Signal Delay: 11.9

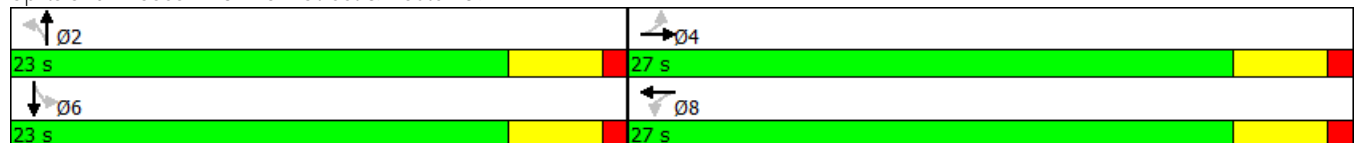
Intersection LOS: B

Intersection Capacity Utilization 62.2%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 3: Plain Street & Route 139



HCM 6th Roundabout
3: Plain Street & Route 139

Hanover Route 139 Corridor Study
 Estimated 2025 AM Peak LOS - Roundabout

Intersection				
Intersection Delay, s/veh	8.1			
Intersection LOS	A			
Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	478	482	238	145
Demand Flow Rate, veh/h	507	505	249	158
Vehicles Circulating, veh/h	72	282	490	563
Vehicles Exiting, veh/h	649	457	89	224
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	6.9	9.5	7.9	7.3
Approach LOS	A	A	A	A
Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976	4.976
Entry Flow, veh/h	507	505	249	158
Cap Entry Lane, veh/h	1282	1035	837	777
Entry HV Adj Factor	0.943	0.954	0.954	0.919
Flow Entry, veh/h	478	482	238	145
Cap Entry, veh/h	1209	987	799	714
V/C Ratio	0.395	0.488	0.297	0.203
Control Delay, s/veh	6.9	9.5	7.9	7.3
LOS	A	A	A	A
95th %tile Queue, veh	2	3	1	1

HCM 6th Roundabout
3: Plain Street & Route 139

Hanover Route 139 Corridor Study
 Estimated 2025 PM Peak LOS - Roundabout

Intersection				
Intersection Delay, s/veh	8.2			
Intersection LOS	A			
Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	616	523	89	181
Demand Flow Rate, veh/h	634	533	90	185
Vehicles Circulating, veh/h	152	130	617	540
Vehicles Exiting, veh/h	573	577	169	123
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	9.4	7.6	6.3	7.2
Approach LOS	A	A	A	A
Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976	4.976
Entry Flow, veh/h	634	533	90	185
Cap Entry Lane, veh/h	1182	1209	735	796
Entry HV Adj Factor	0.971	0.981	0.986	0.981
Flow Entry, veh/h	616	523	89	181
Cap Entry, veh/h	1148	1186	725	780
V/C Ratio	0.537	0.441	0.122	0.233
Control Delay, s/veh	9.4	7.6	6.3	7.2
LOS	A	A	A	A
95th %tile Queue, veh	3	2	0	1

HCM 6th TWSC
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Existing AM Peak LOS

Intersection												
Int Delay, s/veh	17.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	16	578	9	1	407	2	23	123	8	6	20	21
Future Vol, veh/h	16	578	9	1	407	2	23	123	8	6	20	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	88	88	88	82	82	82	78	78	78
Heavy Vehicles, %	7	7	7	2	2	2	3	3	3	2	2	2
Mvmt Flow	18	642	10	1	463	2	28	150	10	8	26	27

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	465	0	0	652	0	0	1176	1150	647	1229	1154	464
Stage 1	-	-	-	-	-	-	683	683	-	466	466	-
Stage 2	-	-	-	-	-	-	493	467	-	763	688	-
Critical Hdwy	4.17	-	-	4.12	-	-	7.13	6.53	6.23	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.12	5.52	-
Follow-up Hdwy	2.263	-	-	2.218	-	-	3.527	4.027	3.327	3.518	4.018	3.318
Pot Cap-1 Maneuver	1071	-	-	935	-	-	167	197	469	155	197	598
Stage 1	-	-	-	-	-	-	438	448	-	577	562	-
Stage 2	-	-	-	-	-	-	556	560	-	397	447	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1071	-	-	935	-	-	140	192	469	53	192	598
Mov Cap-2 Maneuver	-	-	-	-	-	-	140	192	-	53	192	-
Stage 1	-	-	-	-	-	-	427	436	-	562	561	-
Stage 2	-	-	-	-	-	-	506	559	-	248	435	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0	118.5	33.4
HCM LOS			F	D

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	187	1071	-	-	935	-	-	186
HCM Lane V/C Ratio	1.004	0.017	-	-	0.001	-	-	0.324
HCM Control Delay (s)	118.5	8.4	0	-	8.9	0	-	33.4
HCM Lane LOS	F	A	A	-	A	A	-	D
HCM 95th %tile Q(veh)	8.4	0.1	-	-	0	-	-	1.3

HCM 6th TWSC
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Existing PM Peak LOS

Intersection

Int Delay, s/veh 12.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	17	578	17	8	574	10	7	23	8	11	74	20
Future Vol, veh/h	17	578	17	8	574	10	7	23	8	11	74	20
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	90	90	90	73	73	73	75	75	75
Heavy Vehicles, %	1	1	1	1	1	1	0	0	0	0	0	0
Mvmt Flow	20	664	20	9	638	11	10	32	11	15	99	27

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	649	0	0	684	0	0	1439	1381	674	1398	1386	644
Stage 1	-	-	-	-	-	-	714	714	-	662	662	-
Stage 2	-	-	-	-	-	-	725	667	-	736	724	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	942	-	-	914	-	-	112	145	458	119	144	476
Stage 1	-	-	-	-	-	-	425	438	-	454	462	-
Stage 2	-	-	-	-	-	-	420	460	-	414	433	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	942	-	-	914	-	-	42	138	458	92	137	476
Mov Cap-2 Maneuver	-	-	-	-	-	-	42	138	-	92	137	-
Stage 1	-	-	-	-	-	-	411	423	-	439	455	-
Stage 2	-	-	-	-	-	-	306	453	-	361	418	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	0.1	66.1	115.5
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	108	942	-	-	914	-	-	150
HCM Lane V/C Ratio	0.482	0.021	-	-	0.01	-	-	0.933
HCM Control Delay (s)	66.1	8.9	0	-	9	0	-	115.5
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	2.1	0.1	-	-	0	-	-	6.6

HCM 6th TWSC
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Estimated 2025 AM Peak LOS - No Build

Intersection												
Int Delay, s/veh	32.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	16	578	9	1	407	2	23	123	8	6	20	21
Future Vol, veh/h	16	578	9	1	407	2	23	123	8	6	20	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	88	88	88	82	82	82	78	78	78
Heavy Vehicles, %	7	7	7	2	2	2	3	3	3	2	2	2
Mvmt Flow	20	706	11	1	509	3	31	165	11	8	28	30
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	512	0	0	717	0	0	1294	1266	712	1353	1270	511
Stage 1	-	-	-	-	-	-	752	752	-	513	513	-
Stage 2	-	-	-	-	-	-	542	514	-	840	757	-
Critical Hdwy	4.17	-	-	4.12	-	-	7.13	6.53	6.23	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.12	5.52	-
Follow-up Hdwy	2.263	-	-	2.218	-	-	3.527	4.027	3.327	3.518	4.018	3.318
Pot Cap-1 Maneuver	1028	-	-	884	-	-	139	168	431	127	168	563
Stage 1	-	-	-	-	-	-	401	416	-	544	536	-
Stage 2	-	-	-	-	-	-	523	534	-	360	416	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1028	-	-	884	-	-	111	~ 162	431	-	162	563
Mov Cap-2 Maneuver	-	-	-	-	-	-	111	~ 162	-	-	162	-
Stage 1	-	-	-	-	-	-	388	403	-	527	535	-
Stage 2	-	-	-	-	-	-	468	533	-	201	403	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			0			239.1					
HCM LOS							F					
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	156	1028	-	-	884	-	-	-				
HCM Lane V/C Ratio	1.324	0.019	-	-	0.001	-	-	-				
HCM Control Delay (s)	239.1	8.6	0	-	9.1	0	-	-				
HCM Lane LOS	F	A	A	-	A	A	-	-				
HCM 95th %tile Q(veh)	12.5	0.1	-	-	0	-	-	-				
Notes												
-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

HCM 6th TWSC
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Projected 2025 PM Peak LOS - No Build

Intersection

Int Delay, s/veh 34.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	17	578	17	8	574	10	7	23	8	11	74	20
Future Vol, veh/h	17	578	17	8	574	10	7	23	8	11	74	20
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	90	90	90	73	73	73	75	75	75
Heavy Vehicles, %	1	1	1	1	1	1	0	0	0	0	0	0
Mvmt Flow	21	731	21	10	702	12	11	35	12	16	109	29

Major/Minor	Major1	Major2	Minor1	Minor2								
Conflicting Flow All	714	0	0	752	0	0	1581	1518	742	1535	1522	708
Stage 1	-	-	-	-	-	-	784	784	-	728	728	-
Stage 2	-	-	-	-	-	-	797	734	-	807	794	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	891	-	-	862	-	-	89	120	419	96	120	438
Stage 1	-	-	-	-	-	-	389	407	-	418	432	-
Stage 2	-	-	-	-	-	-	383	429	-	378	403	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	891	-	-	862	-	-	11	113	419	68	113	438
Mov Cap-2 Maneuver	-	-	-	-	-	-	11	113	-	68	113	-
Stage 1	-	-	-	-	-	-	373	390	-	401	424	-
Stage 2	-	-	-	-	-	-	261	421	-	321	386	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.1	\$ 383.8	235.8
HCM LOS			F	F

















Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	44	891	-	-	862	-	-	122
HCM Lane V/C Ratio	1.301	0.024	-	-	0.011	-	-	1.262
HCM Control Delay (s)	\$ 383.8	9.1	0	-	9.2	0	-	235.8
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	5.5	0.1	-	-	0	-	-	9.9

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Lanes, Volumes, Timings
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Estimated 2025 AM Peak LOS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	578	9	1	407	2	23	123	8	6	20	21
Future Volume (vph)	16	578	9	1	407	2	23	123	8	6	20	21
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.998			0.999			0.993			0.939	
Flt Protected		0.999						0.993			0.994	
Satd. Flow (prot)	0	1770	0	0	1861	0	0	1819	0	0	1739	0
Flt Permitted		0.983			0.999			0.946			0.950	
Satd. Flow (perm)	0	1742	0	0	1859	0	0	1733	0	0	1662	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		2			1			6			30	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		992			1008			567			485	
Travel Time (s)		22.5			22.9			12.9			11.0	
Peak Hour Factor	0.90	0.90	0.90	0.88	0.88	0.88	0.82	0.82	0.82	0.78	0.78	0.78
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	7%	7%	7%	2%	2%	2%	3%	3%	3%	2%	2%	2%
Adj. Flow (vph)	20	706	11	1	509	3	31	165	11	8	28	30
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	737	0	0	513	0	0	207	0	0	66	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	

Lanes, Volumes, Timings
3: Grove Street & Route 139

Hanover Route 139 Corridor Study

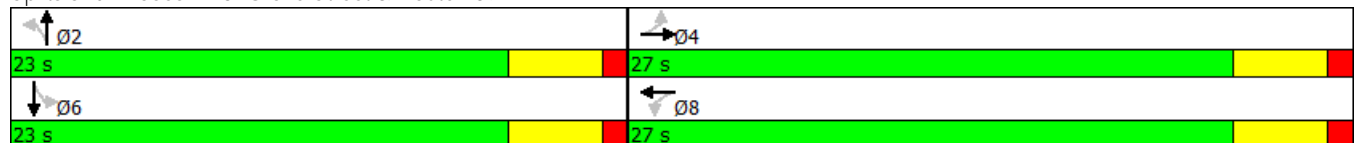
Estimated 2025 AM Peak LOS - Signalized

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	27.0	27.0		27.0	27.0		23.0	23.0		23.0	23.0	
Total Split (%)	54.0%	54.0%		54.0%	54.0%		46.0%	46.0%		46.0%	46.0%	
Maximum Green (s)	22.5	22.5		22.5	22.5		18.5	18.5		18.5	18.5	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effect Green (s)		21.4			21.4			9.9			9.9	
Actuated g/C Ratio		0.53			0.53			0.25			0.25	
v/c Ratio		0.80			0.52			0.48			0.15	
Control Delay		18.2			9.1			17.1			8.8	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		18.2			9.1			17.1			8.8	
LOS		B			A			B			A	
Approach Delay		18.2			9.1			17.1			8.8	
Approach LOS		B			A			B			A	

Intersection Summary

















Area Type:	Other
Cycle Length:	50
Actuated Cycle Length:	40.4
Natural Cycle:	60
Control Type:	Actuated-Uncoordinated
Maximum v/c Ratio:	0.80
Intersection Signal Delay:	14.6
Intersection Capacity Utilization:	67.5%
Analysis Period (min):	15
Intersection LOS:	B
ICU Level of Service:	C

Splits and Phases: 3: Grove Street & Route 139



Lanes, Volumes, Timings
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Projected 2025 PM Peak LOS Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	17	578	17	8	574	10	7	23	8	11	74	20
Future Volume (vph)	17	578	17	8	574	10	7	23	8	11	74	20
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt		0.996			0.998			0.972			0.975	
Flt Protected		0.999			0.999			0.991			0.995	
Satd. Flow (prot)	0	1872	0	0	1876	0	0	1830	0	0	1843	0
Flt Permitted		0.976			0.989			0.921			0.963	
Satd. Flow (perm)	0	1829	0	0	1857	0	0	1701	0	0	1784	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		4			2			12			27	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		992			1008			567			485	
Travel Time (s)		22.5			22.9			12.9			11.0	
Peak Hour Factor	0.87	0.87	0.87	0.90	0.90	0.90	0.73	0.73	0.73	0.75	0.75	0.75
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	21	731	21	10	702	12	11	35	12	16	109	29
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	773	0	0	724	0	0	58	0	0	154	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			0			0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2		1	2		1	2	
Detector Template	Left	Thru		Left	Thru		Left	Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100		20	100		20	100	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	
Detector 1 Position(ft)	0	0		0	0		0	0		0	0	
Detector 1 Size(ft)	20	6		20	6		20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA		Perm	NA		Perm	NA	
Protected Phases		4			8			2			6	
Permitted Phases	4			8			2			6		
Detector Phase	4	4		8	8		2	2		6	6	

Lanes, Volumes, Timings
3: Grove Street & Route 139

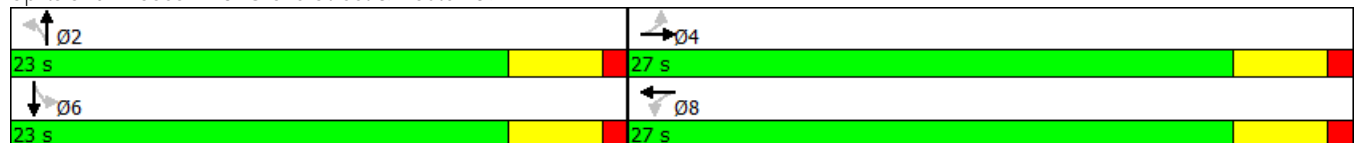
Hanover Route 139 Corridor Study
 Projected 2025 PM Peak LOS Signalized

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0		5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5		22.5	22.5		22.5	22.5	
Total Split (s)	27.0	27.0		27.0	27.0		23.0	23.0		23.0	23.0	
Total Split (%)	54.0%	54.0%		54.0%	54.0%		46.0%	46.0%		46.0%	46.0%	
Maximum Green (s)	22.5	22.5		22.5	22.5		18.5	18.5		18.5	18.5	
Yellow Time (s)	3.5	3.5		3.5	3.5		3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0		1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0			0.0			0.0			0.0	
Total Lost Time (s)		4.5			4.5			4.5			4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0		3.0	3.0		3.0	3.0	
Recall Mode	None	None		None	None		Min	Min		Min	Min	
Walk Time (s)	7.0	7.0		7.0	7.0		7.0	7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0		11.0	11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0		0	0		0	0	
Act Effct Green (s)		21.5			21.5			8.1			8.1	
Actuated g/C Ratio		0.56			0.56			0.21			0.21	
v/c Ratio		0.76			0.70			0.16			0.39	
Control Delay		14.5			12.0			11.7			14.5	
Queue Delay		0.0			0.0			0.0			0.0	
Total Delay		14.5			12.0			11.7			14.5	
LOS		B			B			B			B	
Approach Delay		14.5			12.0			11.7			14.5	
Approach LOS		B			B			B			B	

Intersection Summary

Area Type: Other
 Cycle Length: 50
 Actuated Cycle Length: 38.7
 Natural Cycle: 60
 Control Type: Actuated-Uncoordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 13.4
 Intersection Capacity Utilization 60.3%
 Analysis Period (min) 15
 Intersection LOS: B
 ICU Level of Service B

Splits and Phases: 3: Grove Street & Route 139



HCM 6th Roundabout
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
 Estimated 2025 AM Peak LOS - Roundabout

Intersection				
Intersection Delay, s/veh	9.5			
Intersection LOS	A			
Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	737	513	207	66
Demand Flow Rate, veh/h	788	523	213	68
Vehicles Circulating, veh/h	38	223	784	552
Vehicles Exiting, veh/h	582	774	42	194
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	10.0	8.7	10.8	5.6
Approach LOS	B	A	B	A
Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Follow-Up Headway, s	2.609	2.609	2.609	2.609
Critical Headway, s	4.976	4.976	4.976	4.976
Entry Flow, veh/h	788	523	213	68
Cap Entry Lane, veh/h	1327	1099	620	786
Entry HV Adj Factor	0.935	0.981	0.972	0.977
Flow Entry, veh/h	737	513	207	66
Cap Entry, veh/h	1241	1078	603	768
V/C Ratio	0.594	0.476	0.343	0.087
Control Delay, s/veh	10.0	8.7	10.8	5.6
LOS	B	A	B	A
95th %tile Queue, veh	4	3	2	0

HCM 2010 Roundabout
3: Grove Street & Route 139

Hanover Route 139 Corridor Study
Projected 2025 PM Peak LOS Roundabout

Intersection				
Intersection Delay, s/veh	16.3			
Intersection LOS	C			
Approach	EB	WB	NB	SB
Entry Lanes	1	1	1	1
Conflicting Circle Lanes	1	1	1	1
Adj Approach Flow, veh/h	773	724	58	154
Demand Flow Rate, veh/h	780	731	58	154
Vehicles Circulating, veh/h	135	67	775	730
Vehicles Exiting, veh/h	749	766	140	68
Follow-Up Headway, s	3.186	3.186	3.186	3.186
Ped Vol Crossing Leg, #/h	0	0	0	0
Ped Cap Adj	1.000	1.000	1.000	1.000
Approach Delay, s/veh	19.9	14.2	8.3	10.6
Approach LOS	C	B	A	B
Lane	Left	Left	Left	Left
Designated Moves	LTR	LTR	LTR	LTR
Assumed Moves	LTR	LTR	LTR	LTR
RT Channelized				
Lane Util	1.000	1.000	1.000	1.000
Critical Headway, s	5.193	5.193	5.193	5.193
Entry Flow, veh/h	780	731	58	154
Cap Entry Lane, veh/h	987	1057	521	545
Entry HV Adj Factor	0.991	0.990	1.000	1.000
Flow Entry, veh/h	773	724	58	154
Cap Entry, veh/h	978	1047	521	545
V/C Ratio	0.790	0.692	0.111	0.283
Control Delay, s/veh	19.9	14.2	8.3	10.6
LOS	C	B	A	B
95th %tile Queue, veh	8	6	0	1

HCM 6th TWSC
3: Circuit Street & Hanover Street

Hanover Route 139 Corridor Study
 Existing AM Peak LOS

Intersection

Int Delay, s/veh 3.6

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	416	1	95	364	9	190
Future Vol, veh/h	416	1	95	364	9	190
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	83	83	91	91
Heavy Vehicles, %	5	5	6	6	2	2
Mvmt Flow	438	1	114	439	10	209

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	439
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.16
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.254
Pot Cap-1 Maneuver	-	-	1100
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1100
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NE
HCM Control Delay, s	0	1.8	15.3
HCM LOS			C

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	565	-	-	1100	-
HCM Lane V/C Ratio	0.387	-	-	0.104	-
HCM Control Delay (s)	15.3	-	-	8.7	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	1.8	-	-	0.3	-

Intersection

Int Delay, s/veh 3.8

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	432	0	107	422	3	214
Future Vol, veh/h	432	0	107	422	3	214
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	88	88
Heavy Vehicles, %	1	1	2	2	1	1
Mvmt Flow	465	0	115	454	3	243

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	465	1149
Stage 1	-	-	465
Stage 2	-	-	684
Critical Hdwy	-	4.12	6.41
Critical Hdwy Stg 1	-	-	5.41
Critical Hdwy Stg 2	-	-	5.41
Follow-up Hdwy	-	2.218	3.509
Pot Cap-1 Maneuver	-	1096	220
Stage 1	-	-	634
Stage 2	-	-	503
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	1096	189
Mov Cap-2 Maneuver	-	-	189
Stage 1	-	-	545
Stage 2	-	-	503

Approach	EB	WB	NE
HCM Control Delay, s	0	1.8	15.7
HCM LOS			C

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	582	-	-	1096	-
HCM Lane V/C Ratio	0.424	-	-	0.105	-
HCM Control Delay (s)	15.7	-	-	8.7	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	2.1	-	-	0.4	-

HCM 6th TWSC
3: Circuit Street & Hanover Street

Intersection

Int Delay, s/veh 4

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	416	1	95	364	9	190
Future Vol, veh/h	416	1	95	364	9	190
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	83	83	91	91
Heavy Vehicles, %	5	5	6	6	2	2
Mvmt Flow	482	1	126	482	11	230

Major/Minor	Major1	Major2	Minor1	Minor2
Conflicting Flow All	0	0	483	0
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Critical Hdwy	-	-	4.16	-
Critical Hdwy Stg 1	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	2.254	-
Pot Cap-1 Maneuver	-	-	1059	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	1059	-
Mov Cap-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach	EB	WB	NE
HCM Control Delay, s	0	1.8	17.5
HCM LOS			C

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	525	-	-	1059	-
HCM Lane V/C Ratio	0.458	-	-	0.119	-
HCM Control Delay (s)	17.5	-	-	8.9	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	2.4	-	-	0.4	-

HCM 6th TWSC
3: Circuit Street & Hanover Street

Intersection

Int Delay, s/veh 4.3

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	432	0	107	422	3	214
Future Vol, veh/h	432	0	107	422	3	214
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	88	88
Heavy Vehicles, %	1	1	2	2	1	1
Mvmt Flow	511	0	127	499	4	268

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	511	1264
Stage 1	-	-	511
Stage 2	-	-	753
Critical Hdwy	-	4.12	6.41
Critical Hdwy Stg 1	-	-	5.41
Critical Hdwy Stg 2	-	-	5.41
Follow-up Hdwy	-	2.218	3.509
Pot Cap-1 Maneuver	-	1054	188
Stage 1	-	-	604
Stage 2	-	-	467
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	1054	157
Mov Cap-2 Maneuver	-	-	157
Stage 1	-	-	503
Stage 2	-	-	467

Approach	EB	WB	NE
HCM Control Delay, s	0	1.8	18
HCM LOS			C

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	545	-	-	1054	-
HCM Lane V/C Ratio	0.498	-	-	0.12	-
HCM Control Delay (s)	18	-	-	8.9	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	2.8	-	-	0.4	-

HCM 6th TWSC
 8: Center Street & Hanover Street

Hanover Route 139 Corridor Study
 Existing AM Peak Hour LOS

Intersection

Int Delay, s/veh 13.1

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	605	10	97	418	4	312
Future Vol, veh/h	605	10	97	418	4	312
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	81	81	83	83	88	88
Heavy Vehicles, %	5	5	10	10	5	5
Mvmt Flow	747	12	117	504	5	355

Major/Minor	Major1	Major2	Minor1	Minor2
Conflicting Flow All	0	0	759	0
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Critical Hdwy	-	-	4.2	-
Critical Hdwy Stg 1	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	2.29	-
Pot Cap-1 Maneuver	-	-	818	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	818	-
Mov Cap-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach	EB	WB	NE
HCM Control Delay, s	0	1.9	60.2
HCM LOS			F

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	391	-	-	818	-
HCM Lane V/C Ratio	0.918	-	-	0.143	-
HCM Control Delay (s)	60.2	-	-	10.1	0
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	9.8	-	-	0.5	-

HCM 6th TWSC
8: Center Street & Hanover Street

Hanover Route 139 Corridor Study
Existing PM Peak Hour LOS

Intersection

Int Delay, s/veh 5.1

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	565	11	375	588	5	138
Future Vol, veh/h	565	11	375	588	5	138
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	97	97	91	91
Heavy Vehicles, %	1	1	2	2	2	2
Mvmt Flow	614	12	387	606	5	152

Major/Minor	Major1	Major2	Minor1	Minor2
Conflicting Flow All	0	0	626	0
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Critical Hdwy	-	-	4.12	-
Critical Hdwy Stg 1	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	2.218	-
Pot Cap-1 Maneuver	-	-	956	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	956	-
Mov Cap-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach	EB	WB	NE
HCM Control Delay, s	0	4.4	29.3
HCM LOS			D

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	301	-	-	956	-
HCM Lane V/C Ratio	0.522	-	-	0.404	-
HCM Control Delay (s)	29.3	-	-	11.3	0
HCM Lane LOS	D	-	-	B	A
HCM 95th %tile Q(veh)	2.8	-	-	2	-

Intersection

Int Delay, s/veh 25.7

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	605	10	97	418	4	312
Future Vol, veh/h	605	10	97	418	4	312
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	81	81	83	83	88	88
Heavy Vehicles, %	5	5	10	10	5	5
Mvmt Flow	822	14	129	554	5	390

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	836
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.2
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.29
Pot Cap-1 Maneuver	-	-	764
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	764
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NE
HCM Control Delay, s	0	2	120.9
HCM LOS			F

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	351	-	-	764	-
HCM Lane V/C Ratio	1.125	-	-	0.168	-
HCM Control Delay (s)	120.9	-	-	10.7	0
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	15.2	-	-	0.6	-

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 10.1

Movement	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	565	11	375	588	5	138
Future Vol, veh/h	565	11	375	588	5	138
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	97	97	91	91
Heavy Vehicles, %	1	1	2	2	2	2
Mvmt Flow	676	13	425	667	6	167

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	689
Stage 1	-	-	683
Stage 2	-	-	1517
Critical Hdwy	-	-	4.12
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	-	-	2.218
Pot Cap-1 Maneuver	-	-	905
Stage 1	-	-	502
Stage 2	-	-	200
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	905
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	128
Stage 2	-	-	200

Approach	EB	WB	NE
HCM Control Delay, s	0	4.8	83.8
HCM LOS			F

Minor Lane/Major Mvmt	NELn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	198	-	-	905	-
HCM Lane V/C Ratio	0.873	-	-	0.47	-
HCM Control Delay (s)	83.8	-	-	12.5	0
HCM Lane LOS	F	-	-	B	A
HCM 95th %tile Q(veh)	6.6	-	-	2.6	-

HCM 2010 TWSC
 5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
 Existing AM Peak Hour LOS

Intersection												
Int Delay, s/veh	4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	84	744	4	4	485	3	1	0	4	33	0	38
Future Vol, veh/h	84	744	4	4	485	3	1	0	4	33	0	38
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	79	79	79	50	50	50	91	91	91
Heavy Vehicles, %	3	3	3	4	4	4	0	0	0	2	2	2
Mvmt Flow	91	809	4	5	614	4	2	0	8	36	0	42
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	618	0	0	813	0	0	1640	1621	811	1623	1621	616
Stage 1	-	-	-	-	-	-	993	993	-	626	626	-
Stage 2	-	-	-	-	-	-	647	628	-	997	995	-
Critical Hdwy	4.13	-	-	4.14	-	-	7.1	6.5	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.12	5.52	-
Follow-up Hdwy	2.227	-	-	2.236	-	-	3.5	4	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	957	-	-	805	-	-	81	104	383	82	103	491
Stage 1	-	-	-	-	-	-	298	326	-	472	477	-
Stage 2	-	-	-	-	-	-	463	479	-	294	323	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	957	-	-	805	-	-	64	85	383	69	84	491
Mov Cap-2 Maneuver	-	-	-	-	-	-	64	85	-	69	84	-
Stage 1	-	-	-	-	-	-	246	269	-	390	473	-
Stage 2	-	-	-	-	-	-	420	475	-	238	267	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.9			0.1			14.6			69.5		
HCM LOS							B			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	383	957	-	-	805	-	-	128				
HCM Lane V/C Ratio	0.021	0.095	-	-	0.006	-	-	0.61				
HCM Control Delay (s)	14.6	9.2	0	-	9.5	0	-	69.5				
HCM Lane LOS	B	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	0.1	0.3	-	-	0	-	-	3.1				

HCM 6th TWSC
5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
Existing PM Peak Hour LOS

Intersection												
Int Delay, s/veh	25.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	49	655	2	1	789	2	0	0	2	54	0	121
Future Vol, veh/h	49	655	2	1	789	2	0	0	2	54	0	121
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	88	88	88	50	50	50	91	91	91
Heavy Vehicles, %	2	2	2	4	4	4	0	0	0	1	1	1
Mvmt Flow	53	712	2	1	897	2	0	0	4	59	0	133
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	899	0	0	714	0	0	-	1720	713	1721	1720	898
Stage 1	-	-	-	-	-	-	-	819	-	900	900	-
Stage 2	-	-	-	-	-	-	-	901	-	821	820	-
Critical Hdwy	4.12	-	-	4.14	-	-	-	6.5	6.2	7.11	6.51	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	-	5.5	-	6.11	5.51	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	5.5	-	6.11	5.51	-
Follow-up Hdwy	2.218	-	-	2.236	-	-	-	4	3.3	3.509	4.009	3.309
Pot Cap-1 Maneuver	756	-	-	877	-	-	0	90	435	71	90	339
Stage 1	-	-	-	-	-	-	0	392	-	334	359	-
Stage 2	-	-	-	-	-	-	0	360	-	370	390	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	756	-	-	877	-	-	-	79	435	64	79	339
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	79	-	64	79	-
Stage 1	-	-	-	-	-	-	-	347	-	295	358	-
Stage 2	-	-	-	-	-	-	-	359	-	324	345	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.7			0			13.4			241.4		
HCM LOS							B			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	435	756	-	-	877	-	-	146				
HCM Lane V/C Ratio	0.009	0.07	-	-	0.001	-	-	1.317				
HCM Control Delay (s)	13.4	10.1	0	-	9.1	0	-	241.4				
HCM Lane LOS	B	B	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	0	0.2	-	-	0	-	-	11.9				

HCM 6th TWSC
5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
Existing AM Peak Hour LOS

Intersection												
Int Delay, s/veh	7.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	84	744	4	4	485	3	1	0	4	33	0	38
Future Vol, veh/h	84	744	4	4	485	3	1	0	4	33	0	38
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	79	79	79	50	50	50	91	91	91
Heavy Vehicles, %	3	3	3	4	4	4	0	0	0	2	2	2
Mvmt Flow	100	890	5	6	675	4	2	0	9	40	0	46
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	679	0	0	895	0	0	1805	1784	893	1786	1784	677
Stage 1	-	-	-	-	-	-	1093	1093	-	689	689	-
Stage 2	-	-	-	-	-	-	712	691	-	1097	1095	-
Critical Hdwy	4.13	-	-	4.14	-	-	7.1	6.5	6.2	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.12	5.52	-
Follow-up Hdwy	2.227	-	-	2.236	-	-	3.5	4	3.3	3.518	4.018	3.318
Pot Cap-1 Maneuver	908	-	-	750	-	-	62	83	343	63	82	453
Stage 1	-	-	-	-	-	-	262	293	-	436	446	-
Stage 2	-	-	-	-	-	-	427	449	-	258	290	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	908	-	-	750	-	-	46	64	343	51	63	453
Mov Cap-2 Maneuver	-	-	-	-	-	-	46	64	-	51	63	-
Stage 1	-	-	-	-	-	-	205	229	-	341	440	-
Stage 2	-	-	-	-	-	-	379	443	-	196	226	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	1			0.1			15.8			140.5		
HCM LOS							C			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	343	908	-	-	750	-	-	97				
HCM Lane V/C Ratio	0.026	0.111	-	-	0.007	-	-	0.885				
HCM Control Delay (s)	15.8	9.5	0	-	9.8	0	-	140.5				
HCM Lane LOS	C	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	0.1	0.4	-	-	0	-	-	5				

HCM 6th TWSC
5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
Existing PM Peak Hour LOS

Intersection												
Int Delay, s/veh	52.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↔			↔			↔			↔	
Traffic Vol, veh/h	49	655	2	1	789	2	0	0	2	54	0	121
Future Vol, veh/h	49	655	2	1	789	2	0	0	2	54	0	121
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	88	88	88	50	50	50	91	91	91
Heavy Vehicles, %	2	2	2	4	4	4	0	0	0	1	1	1
Mvmt Flow	59	783	2	1	986	3	0	0	4	65	0	146

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	989	0	0	785	0	0	-	1893	784	1894	1893	988
Stage 1	-	-	-	-	-	-	-	902	-	990	990	-
Stage 2	-	-	-	-	-	-	-	991	-	904	903	-
Critical Hdwy	4.12	-	-	4.14	-	-	-	6.5	6.2	7.11	6.51	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	-	5.5	-	6.11	5.51	-
Critical Hdwy Stg 2	-	-	-	-	-	-	-	5.5	-	6.11	5.51	-
Follow-up Hdwy	2.218	-	-	2.236	-	-	-	4	3.3	3.509	4.009	3.309
Pot Cap-1 Maneuver	699	-	-	825	-	-	0	71	396	-	53	70
Stage 1	-	-	-	-	-	-	0	359	-	298	326	-
Stage 2	-	-	-	-	-	-	0	327	-	333	357	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	699	-	-	825	-	-	-	60	396	-	46	59
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	60	-	-	46	59
Stage 1	-	-	-	-	-	-	-	305	-	253	325	-
Stage 2	-	-	-	-	-	-	-	326	-	280	303	-



















Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	0	14.2	\$ 504.6
HCM LOS			B	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	396	699	-	-	825	-	-	111
HCM Lane V/C Ratio	0.011	0.084	-	-	0.002	-	-	1.906
HCM Control Delay (s)	14.2	10.6	0	-	9.4	0	-	\$ 504.6
HCM Lane LOS	B	B	A	-	A	A	-	F
HCM 95th %tile Q(veh)	0	0.3	-	-	0	-	-	17.2

Notes
 -: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Lanes, Volumes, Timings
5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
 Estimated 2025 AM Peak LOS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	49	655	2	1	789	2	0	0	2	54	0	121
Future Volume (vph)	49	655	2	1	789	2	0	0	2	54	0	121
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt								0.865			0.850	
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1752	1845	0	0	1827	0	0	1644	0	1770	1583	0
Flt Permitted	0.261									0.755		
Satd. Flow (perm)	481	1845	0	0	1827	0	0	1644	0	1406	1583	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								297			172	
Link Speed (mph)		30			30			30		30		30
Link Distance (ft)		186			284			109		225		
Travel Time (s)		4.2			6.5			2.5		5.1		
Peak Hour Factor	0.92	0.92	0.92	0.79	0.79	0.79	0.50	0.50	0.50	0.91	0.91	0.91
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	3%	3%	3%	4%	4%	4%	0%	0%	0%	2%	2%	2%
Adj. Flow (vph)	59	783	2	1	1099	3	0	0	4	65	0	146
Shared Lane Traffic (%)												
Lane Group Flow (vph)	59	785	0	0	1103	0	0	4	0	65	146	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12		12		12
Link Offset(ft)		0			0			0		0		0
Crosswalk Width(ft)		16			16			16		16		16
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2			2		1	2	
Detector Template	Left	Thru		Left	Thru			Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100			100		20	100	
Trailing Detector (ft)	0	0		0	0			0		0	0	
Detector 1 Position(ft)	0	0		0	0			0		0	0	
Detector 1 Size(ft)	20	6		20	6			6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex			Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA			NA		Perm	NA	

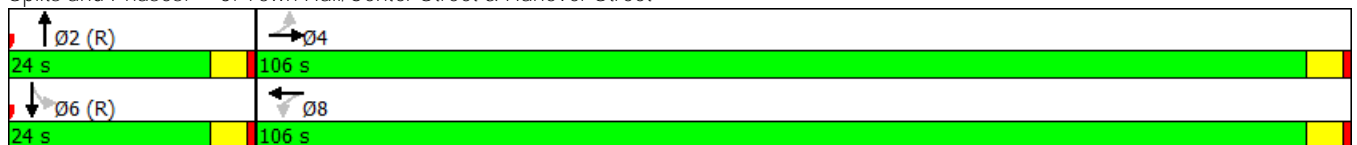
Lanes, Volumes, Timings
5: Town Hall/Center Street & Hanover Street

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8			2			6	
Permitted Phases	4			8						6		
Detector Phase	4	4		8	8			2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0			5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5			22.5		22.5	22.5	
Total Split (s)	106.0	106.0		106.0	106.0			24.0		24.0	24.0	
Total Split (%)	81.5%	81.5%		81.5%	81.5%			18.5%		18.5%	18.5%	
Maximum Green (s)	101.5	101.5		101.5	101.5			19.5		19.5	19.5	
Yellow Time (s)	3.5	3.5		3.5	3.5			3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0			1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0			0.0			0.0		0.0	0.0	
Total Lost Time (s)	4.5	4.5			4.5			4.5		4.5	4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Recall Mode	None	None		None	None			C-Max		C-Max	C-Max	
Walk Time (s)	7.0	7.0		7.0	7.0			7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0			11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0			0		0	0	
Act Effct Green (s)	101.5	101.5			101.5			19.5		19.5	19.5	
Actuated g/C Ratio	0.78	0.78			0.78			0.15		0.15	0.15	
v/c Ratio	0.16	0.55			0.77			0.01		0.31	0.38	
Control Delay	3.2	3.8			9.3			0.0		53.8	7.1	
Queue Delay	1.5	1.8			0.5			0.0		0.0	0.8	
Total Delay	4.7	5.7			9.7			0.0		53.8	7.9	
LOS	A	A			A			A		D	A	
Approach Delay		5.6			9.7						22.0	
Approach LOS		A			A						C	

Intersection Summary



















Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 16 (12%), Referenced to phase 2:NBT and 6:SBTL, Start of Green
 Natural Cycle: 80
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.77
 Intersection Signal Delay: 9.3
 Intersection Capacity Utilization 64.1%
 Analysis Period (min) 15
 Intersection LOS: A
 ICU Level of Service C

Splits and Phases: 5: Town Hall/Center Street & Hanover Street



Lanes, Volumes, Timings
5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
Estimated 2025 PM Peak L OS - Signalized

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	49	655	2	1	789	2	0	0	2	54	0	121
Future Volume (vph)	49	655	2	1	789	2	0	0	2	54	0	121
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	50		0	0		0	0		0	0		0
Storage Lanes	1		0	0		0	0		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt								0.865			0.850	
Flt Protected	0.950									0.950		
Satd. Flow (prot)	1752	1845	0	0	1827	0	0	1644	0	1770	1583	0
Flt Permitted	0.265									0.755		
Satd. Flow (perm)	489	1845	0	0	1827	0	0	1644	0	1406	1583	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)								311			184	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		186			284			109			225	
Travel Time (s)		4.2			6.5			2.5			5.1	
Peak Hour Factor	0.92	0.92	0.92	0.79	0.79	0.79	0.50	0.50	0.50	0.91	0.91	0.91
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	3%	3%	3%	4%	4%	4%	0%	0%	0%	2%	2%	2%
Adj. Flow (vph)	59	783	2	1	1099	3	0	0	4	65	0	146
Shared Lane Traffic (%)												
Lane Group Flow (vph)	59	785	0	0	1103	0	0	4	0	65	146	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		12			12			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2		1	2			2		1	2	
Detector Template	Left	Thru		Left	Thru			Thru		Left	Thru	
Leading Detector (ft)	20	100		20	100			100		20	100	
Trailing Detector (ft)	0	0		0	0			0		0	0	
Detector 1 Position(ft)	0	0		0	0			0		0	0	
Detector 1 Size(ft)	20	6		20	6			6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex			Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0		0.0	0.0			0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA		Perm	NA			NA		Perm	NA	

Lanes, Volumes, Timings

5: Town Hall/Center Street & Hanover Street

Hanover Route 139 Corridor Study
 Estimated 2025 PM Peak L OS - Signalized

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases		4			8			2			6	
Permitted Phases	4			8						6		
Detector Phase	4	4		8	8			2		6	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0		5.0	5.0			5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5		22.5	22.5			22.5		22.5	22.5	
Total Split (s)	126.0	126.0		126.0	126.0			24.0		24.0	24.0	
Total Split (%)	84.0%	84.0%		84.0%	84.0%			16.0%		16.0%	16.0%	
Maximum Green (s)	121.5	121.5		121.5	121.5			19.5		19.5	19.5	
Yellow Time (s)	3.5	3.5		3.5	3.5			3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0		1.0	1.0			1.0		1.0	1.0	
Lost Time Adjust (s)	0.0	0.0			0.0			0.0		0.0	0.0	
Total Lost Time (s)	4.5	4.5			4.5			4.5		4.5	4.5	
Lead/Lag												
Lead-Lag Optimize?												
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0		3.0	3.0	
Recall Mode	None	None		None	None			C-Max		C-Max	C-Max	
Walk Time (s)	7.0	7.0		7.0	7.0			7.0		7.0	7.0	
Flash Dont Walk (s)	11.0	11.0		11.0	11.0			11.0		11.0	11.0	
Pedestrian Calls (#/hr)	0	0		0	0			0		0	0	
Act Effct Green (s)	121.5	121.5			121.5			19.5		19.5	19.5	
Actuated g/C Ratio	0.81	0.81			0.81			0.13		0.13	0.13	
v/c Ratio	0.15	0.53			0.75			0.01		0.36	0.40	
Control Delay	2.6	3.8			8.6			0.0		65.8	6.3	
Queue Delay	1.1	0.1			0.1			0.0		0.0	0.0	
Total Delay	3.8	3.9			8.7			0.0		65.8	6.3	
LOS	A	A			A			A		E	A	
Approach Delay		3.9			8.7						24.6	
Approach LOS		A			A						C	

Intersection Summary

Area Type: Other
 Cycle Length: 150
 Actuated Cycle Length: 150
 Offset: 148 (99%), Referenced to phase 2:NBT and 6:SBTL, Start of Green
 Natural Cycle: 80
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.75
 Intersection Signal Delay: 8.3
 Intersection Capacity Utilization 64.1%
 Analysis Period (min) 15
 Intersection LOS: A
 ICU Level of Service C

Splits and Phases: 5: Town Hall/Center Street & Hanover Street

Ø2 (R) 24 s	Ø4 126 s
Ø6 (R) 24 s	Ø8 126 s

Intersection

Int Delay, s/veh 7.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Traffic Vol, veh/h	212	531	432	143	55	122
Future Vol, veh/h	212	531	432	143	55	122
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	75	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	90	90	95	95
Heavy Vehicles, %	5	5	5	5	10	10
Mvmt Flow	226	565	480	159	58	128

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	639	0	560
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	4.15	-	6.3
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	2.245	-	3.39
Pot Cap-1 Maneuver	931	-	513
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	931	-	513
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	2.9	0	54.7
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	931	-	-	-	74	513
HCM Lane V/C Ratio	0.242	-	-	-	0.782	0.25
HCM Control Delay (s)	10.1	0	-	-	144.4	14.3
HCM Lane LOS	B	A	-	-	F	B
HCM 95th %tile Q(veh)	0.9	-	-	-	3.8	1

Intersection

Int Delay, s/veh 7.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	↔
Traffic Vol, veh/h	212	531	432	143	55	122
Future Vol, veh/h	212	531	432	143	55	122
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	75	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	90	90	95	95
Heavy Vehicles, %	5	5	5	5	10	10
Mvmt Flow	226	565	480	159	58	128

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	639	0	560
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	4.15	-	6.3
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	2.245	-	3.39
Pot Cap-1 Maneuver	931	-	513
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	931	-	513
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	SB
HCM Control Delay, s	2.9	0	54.7
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	931	-	-	-	74	513
HCM Lane V/C Ratio	0.242	-	-	-	0.782	0.25
HCM Control Delay (s)	10.1	0	-	-	144.4	14.3
HCM Lane LOS	B	A	-	-	F	B
HCM 95th %tile Q(veh)	0.9	-	-	-	3.8	1

Intersection

Int Delay, s/veh 14.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↔		↕	↕
Traffic Vol, veh/h	212	531	432	143	55	122
Future Vol, veh/h	212	531	432	143	55	122
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	75	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	90	90	95	95
Heavy Vehicles, %	5	5	5	5	10	10
Mvmt Flow	248	621	528	175	64	141

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	703	0	1733
Stage 1	-	-	616
Stage 2	-	-	1117
Critical Hdwy	4.15	-	6.5
Critical Hdwy Stg 1	-	-	5.5
Critical Hdwy Stg 2	-	-	5.5
Follow-up Hdwy	2.245	-	3.59
Pot Cap-1 Maneuver	881	-	92
Stage 1	-	-	524
Stage 2	-	-	302
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	881	-	~ 52
Mov Cap-2 Maneuver	-	-	~ 52
Stage 1	-	-	299
Stage 2	-	-	302

Approach	EB	WB	SB
HCM Control Delay, s	3	0	112.3
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	881	-	-	-	52	476
HCM Lane V/C Ratio	0.282	-	-	-	1.225	0.297
HCM Control Delay (s)	10.7	0	-	-	\$ 326.6	15.7
HCM Lane LOS	B	A	-	-	F	C
HCM 95th %tile Q(veh)	1.2	-	-	-	5.7	1.2

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 354.7

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↕	↔		↕	↕
Traffic Vol, veh/h	223	578	577	251	155	236
Future Vol, veh/h	223	578	577	251	155	236
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	75	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	93	93	89	89	82	82
Heavy Vehicles, %	2	2	3	3	2	2
Mvmt Flow	264	684	713	310	208	317

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	1023	0	868
Stage 1	-	-	868
Stage 2	-	-	-
Critical Hdwy	4.12	-	6.22
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.218	-	3.318
Pot Cap-1 Maneuver	679	-	352
Stage 1	-	-	411
Stage 2	-	-	282
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	679	-	352
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	153
Stage 2	-	-	282

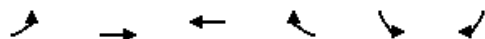
Approach	EB	WB	SB
HCM Control Delay, s	3.8	0	\$ 1680.5
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	679	-	-	-	22	352
HCM Lane V/C Ratio	0.388	-	-	-	9.451	0.899
HCM Control Delay (s)	13.6	0	-	-	\$ 4146.6	60.8
HCM Lane LOS	B	A	-	-	F	F
HCM 95th %tile Q(veh)	1.8	-	-	-	26.2	8.9

Notes

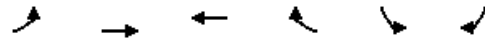
-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Lanes, Volumes, Timings 3: Hanover Street & Main Street



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	212	531	432	143	65	122
Future Volume (vph)	212	531	432	143	65	122
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			0	150	0
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.966			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1719	1810	1748	0	1641	1468
Flt Permitted	0.249				0.950	
Satd. Flow (perm)	451	1810	1748	0	1641	1468
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			37			141
Link Speed (mph)		30	30		30	
Link Distance (ft)		284	1448		485	
Travel Time (s)		6.5	32.9		11.0	
Peak Hour Factor	0.94	0.94	0.90	0.90	0.95	0.95
Growth Factor	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	5%	5%	5%	5%	10%	10%
Adj. Flow (vph)	248	621	528	175	75	141
Shared Lane Traffic (%)						
Lane Group Flow (vph)	248	621	703	0	75	141
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2		1	1
Detector Template	Left	Thru	Thru		Left	Right
Leading Detector (ft)	20	100	100		20	20
Trailing Detector (ft)	0	0	0		0	0
Detector 1 Position(ft)	0	0	0		0	0
Detector 1 Size(ft)	20	6	6		20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0		0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0		0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0		0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Perm	NA	NA		Prot	Perm

Lanes, Volumes, Timings
3: Hanover Street & Main Street

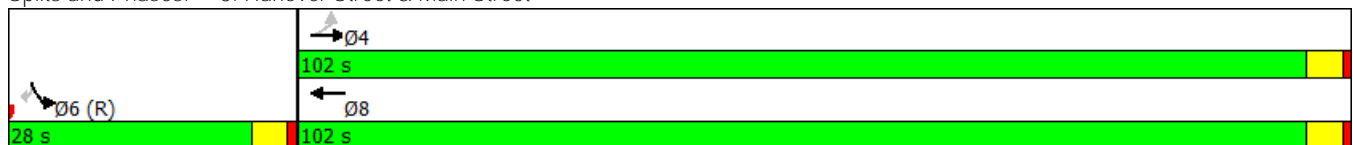


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Protected Phases		4	8		6	
Permitted Phases	4					6
Detector Phase	4	4	8		6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	22.5	22.5	22.5		22.5	22.5
Total Split (s)	102.0	102.0	102.0		28.0	28.0
Total Split (%)	78.5%	78.5%	78.5%		21.5%	21.5%
Maximum Green (s)	97.5	97.5	97.5		23.5	23.5
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	None	None	None		C-Max	C-Max
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	77.6	77.6	77.6		43.4	43.4
Actuated g/C Ratio	0.60	0.60	0.60		0.33	0.33
v/c Ratio	0.92	0.57	0.66		0.14	0.24
Control Delay	52.3	11.2	18.9		39.2	8.3
Queue Delay	0.0	0.3	0.0		0.0	0.1
Total Delay	52.3	11.5	19.0		39.2	8.4
LOS	D	B	B		D	A
Approach Delay		23.2	19.0		19.1	
Approach LOS		C	B		B	

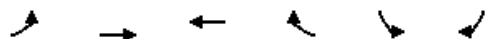
Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 20 (15%), Referenced to phase 2: and 6:SBL, Start of Green
 Natural Cycle: 70
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.92
 Intersection Signal Delay: 21.0
 Intersection Capacity Utilization 62.9%
 Analysis Period (min) 15
 Intersection LOS: C
 ICU Level of Service B

Splits and Phases: 3: Hanover Street & Main Street

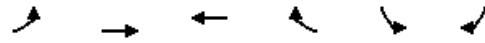


Lanes, Volumes, Timings 3: Hanover Street & Main Street



Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	212	531	432	143	65	122
Future Volume (vph)	212	531	432	143	65	122
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	75			0	150	0
Storage Lanes	1			0	1	1
Taper Length (ft)	25				25	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.966			0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1719	1810	1748	0	1641	1468
Flt Permitted	0.275				0.950	
Satd. Flow (perm)	498	1810	1748	0	1641	1468
Right Turn on Red				Yes		Yes
Satd. Flow (RTOR)			35			141
Link Speed (mph)		30	30		30	
Link Distance (ft)		284	1448		485	
Travel Time (s)		6.5	32.9		11.0	
Peak Hour Factor	0.94	0.94	0.90	0.90	0.95	0.95
Growth Factor	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	5%	5%	5%	5%	10%	10%
Adj. Flow (vph)	248	621	528	175	75	141
Shared Lane Traffic (%)						
Lane Group Flow (vph)	248	621	703	0	75	141
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(ft)		12	12		12	
Link Offset(ft)		0	0		0	
Crosswalk Width(ft)		16	16		16	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15			9	15	9
Number of Detectors	1	2	2		1	1
Detector Template	Left	Thru	Thru		Left	Right
Leading Detector (ft)	20	100	100		20	20
Trailing Detector (ft)	0	0	0		0	0
Detector 1 Position(ft)	0	0	0		0	0
Detector 1 Size(ft)	20	6	6		20	20
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex
Detector 1 Channel						
Detector 1 Extend (s)	0.0	0.0	0.0		0.0	0.0
Detector 1 Queue (s)	0.0	0.0	0.0		0.0	0.0
Detector 1 Delay (s)	0.0	0.0	0.0		0.0	0.0
Detector 2 Position(ft)		94	94			
Detector 2 Size(ft)		6	6			
Detector 2 Type		Cl+Ex	Cl+Ex			
Detector 2 Channel						
Detector 2 Extend (s)		0.0	0.0			
Turn Type	Perm	NA	NA		Prot	Perm

Lanes, Volumes, Timings
3: Hanover Street & Main Street

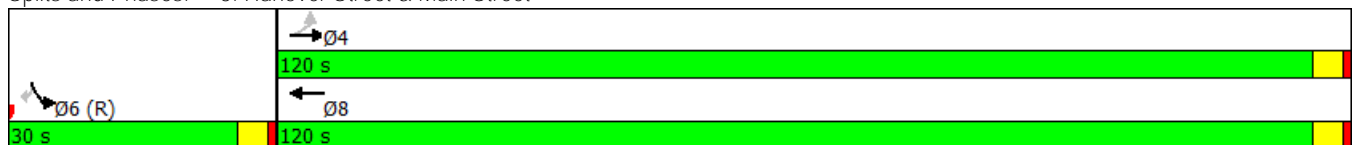


Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Protected Phases		4	8		6	
Permitted Phases	4					6
Detector Phase	4	4	8		6	6
Switch Phase						
Minimum Initial (s)	5.0	5.0	5.0		5.0	5.0
Minimum Split (s)	22.5	22.5	22.5		22.5	22.5
Total Split (s)	120.0	120.0	120.0		30.0	30.0
Total Split (%)	80.0%	80.0%	80.0%		20.0%	20.0%
Maximum Green (s)	115.5	115.5	115.5		25.5	25.5
Yellow Time (s)	3.5	3.5	3.5		3.5	3.5
All-Red Time (s)	1.0	1.0	1.0		1.0	1.0
Lost Time Adjust (s)	0.0	0.0	0.0		0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5		4.5	4.5
Lead/Lag						
Lead-Lag Optimize?						
Vehicle Extension (s)	3.0	3.0	3.0		3.0	3.0
Recall Mode	None	None	None		C-Max	C-Max
Walk Time (s)	7.0	7.0	7.0		7.0	7.0
Flash Dont Walk (s)	11.0	11.0	11.0		11.0	11.0
Pedestrian Calls (#/hr)	0	0	0		0	0
Act Effct Green (s)	96.4	96.4	96.4		44.6	44.6
Actuated g/C Ratio	0.64	0.64	0.64		0.30	0.30
v/c Ratio	0.78	0.53	0.62		0.15	0.26
Control Delay	30.8	13.3	17.4		49.3	9.3
Queue Delay	0.0	0.4	0.1		0.0	0.0
Total Delay	30.8	13.6	17.4		49.3	9.4
LOS	C	B	B		D	A
Approach Delay		18.5	17.4		23.2	
Approach LOS		B	B		C	

Intersection Summary

Area Type: Other
 Cycle Length: 150
 Actuated Cycle Length: 150
 Offset: 144 (96%), Referenced to phase 2: and 6:SBL, Start of Green
 Natural Cycle: 70
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.78
 Intersection Signal Delay: 18.7
 Intersection Capacity Utilization 62.9%
 Analysis Period (min) 15
 Intersection LOS: B
 ICU Level of Service B

Splits and Phases: 3: Hanover Street & Main Street



Intersection				
Intersection Delay, s/veh	16.9			
Intersection LOS	C			
Approach	EB	WB	SB	
Entry Lanes	1	1	2	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	929	706	287	
Demand Flow Rate, veh/h	975	741	316	
Vehicles Circulating, veh/h	112	363	554	
Vehicles Exiting, veh/h	757	724	550	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	17.5	20.2	6.8	
Approach LOS	C	C	A	
Lane	Left	Left	Left	Right
Designated Moves	LT	TR	L	TR
Assumed Moves	LT	TR	L	TR
RT Channelized				
Lane Util	1.000	1.000	0.354	0.646
Follow-Up Headway, s	2.609	2.609	2.535	2.535
Critical Headway, s	4.976	4.976	4.544	4.544
Entry Flow, veh/h	975	741	112	204
Cap Entry Lane, veh/h	1231	953	858	858
Entry HV Adj Factor	0.953	0.952	0.911	0.907
Flow Entry, veh/h	929	706	102	185
Cap Entry, veh/h	1173	907	781	778
V/C Ratio	0.792	0.778	0.131	0.238
Control Delay, s/veh	17.5	20.2	6.0	7.3
LOS	C	C	A	A
95th %tile Queue, veh	9	8	0	1

HCM 6th Roundabout
3: Hanover Street & Main Street

Hanover Route 139 Corridor Study
Existing PM Peak Hour LOS

Intersection				
Intersection Delay, s/veh	40.4			
Intersection LOS	E			
Approach	EB	WB	SB	
Entry Lanes	1	1	2	
Conflicting Circle Lanes	1	1	1	
Adj Approach Flow, veh/h	942	1011	759	
Demand Flow Rate, veh/h	960	1041	775	
Vehicles Circulating, veh/h	286	328	732	
Vehicles Exiting, veh/h	1221	918	637	
Ped Vol Crossing Leg, #/h	0	0	0	
Ped Cap Adj	1.000	1.000	1.000	
Approach Delay, s/veh	34.4	64.9	15.1	
Approach LOS	D	F	C	
Lane	Left	Left	Left	Right
Designated Moves	LT	TR	L	TR
Assumed Moves	LT	TR	L	TR
RT Channelized				
Lane Util	1.000	1.000	0.369	0.631
Follow-Up Headway, s	2.609	2.609	2.535	2.535
Critical Headway, s	4.976	4.976	4.544	4.544
Entry Flow, veh/h	960	1041	286	489
Cap Entry Lane, veh/h	1031	988	729	729
Entry HV Adj Factor	0.981	0.971	0.979	0.980
Flow Entry, veh/h	942	1011	280	479
Cap Entry, veh/h	1011	959	714	715
V/C Ratio	0.931	1.054	0.392	0.670
Control Delay, s/veh	34.4	64.9	10.2	18.0
LOS	D	F	B	C
95th %tile Queue, veh	15	23	2	5

Intersection

Int Delay, s/veh 93.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	654	39	13	534	193	57
Future Vol, veh/h	654	39	13	534	193	57
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	Stop
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	74	74	78	78
Heavy Vehicles, %	5	5	4	4	1	1
Mvmt Flow	711	42	18	722	247	73

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	711
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.14
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.236
Pot Cap-1 Maneuver	-	-	879
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	879
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	\$ 526
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	159	-	-	879	-
HCM Lane V/C Ratio	2.016	-	-	0.02	-
HCM Control Delay (s)	\$ 526	-	-	9.2	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	25	-	-	0.1	-

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 33.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	556	122	65	659	86	26
Future Vol, veh/h	556	122	65	659	86	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	Stop
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	82	82	79	79	70	70
Heavy Vehicles, %	2	2	2	2	0	0
Mvmt Flow	678	149	82	834	123	37

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	678
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.12
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.218
Pot Cap-1 Maneuver	-	-	914
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	914
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.8	\$ 393.7
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	99	-	-	914	-
HCM Lane V/C Ratio	1.616	-	-	0.09	-
HCM Control Delay (s)	\$ 393.7	-	-	9.3	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	12.4	-	-	0.3	-

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th TWSC
3: Spring Street & Route 139

Route 139 Corridor Study
Estimated 2025 AM Peak LOS - No Build

Intersection

Int Delay, s/veh 152.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔			↔	↔	
Traffic Vol, veh/h	654	39	13	534	193	57
Future Vol, veh/h	654	39	13	534	193	57
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	Stop
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	74	74	78	78
Heavy Vehicles, %	5	5	4	4	1	1
Mvmt Flow	782	47	19	794	272	80

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	782
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.14
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.236
Pot Cap-1 Maneuver	-	-	827
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	827
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	\$ 864.5
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	128	-	-	827	-
HCM Lane V/C Ratio	2.754	-	-	0.023	-
HCM Control Delay (s)	\$ 864.5	-	-	9.5	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	32.2	-	-	0.1	-

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

HCM 6th TWSC
 3: Spring Street & Route 139

Intersection

Int Delay, s/veh 64.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔		↔		↔	
Traffic Vol, veh/h	556	122	65	659	86	26
Future Vol, veh/h	556	122	65	659	86	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	Yield	-	None	-	Stop
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	82	82	79	79	70	70
Heavy Vehicles, %	2	2	2	2	0	0
Mvmt Flow	746	164	91	918	135	41

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	1928
Stage 1	-	-	828
Stage 2	-	-	1100
Critical Hdwy	-	4.12	6.4
Critical Hdwy Stg 1	-	-	5.4
Critical Hdwy Stg 2	-	-	5.4
Follow-up Hdwy	-	2.218	3.5
Pot Cap-1 Maneuver	-	862	~ 74
Stage 1	-	-	432
Stage 2	-	-	322
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	862	~ 58
Mov Cap-2 Maneuver	-	-	~ 58
Stage 1	-	-	339
Stage 2	-	-	322

Approach	EB	WB	NB
HCM Control Delay, s	0	0.9	\$ 764.6
HCM LOS			F

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	73	-	-	862	-
HCM Lane V/C Ratio	2.411	-	-	0.105	-
HCM Control Delay (s)	\$ 764.6	-	-	9.7	0
HCM Lane LOS	F	-	-	A	A
HCM 95th %tile Q(veh)	16.8	-	-	0.4	-

Notes

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection

Int Delay, s/veh 1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	
Traffic Vol, veh/h	51	567	487	3	5	35
Future Vol, veh/h	51	567	487	3	5	35
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	94	94	77	77
Heavy Vehicles, %	7	7	4	4	8	8
Mvmt Flow	57	630	518	3	6	45

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	521	0	1264
Stage 1	-	-	520
Stage 2	-	-	744
Critical Hdwy	4.17	-	6.48
Critical Hdwy Stg 1	-	-	5.48
Critical Hdwy Stg 2	-	-	5.48
Follow-up Hdwy	2.263	-	3.572
Pot Cap-1 Maneuver	1020	-	182
Stage 1	-	-	585
Stage 2	-	-	459
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1020	-	166
Mov Cap-2 Maneuver	-	-	166
Stage 1	-	-	535
Stage 2	-	-	459

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	14.7
HCM LOS			B

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1020	-	-	-	423
HCM Lane V/C Ratio	0.056	-	-	-	0.123
HCM Control Delay (s)	8.7	0	-	-	14.7
HCM Lane LOS	A	A	-	-	B
HCM 95th %tile Q(veh)	0.2	-	-	-	0.4

Intersection

Int Delay, s/veh 1.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↖	↗		↘	↙
Traffic Vol, veh/h	33	651	652	11	14	90
Future Vol, veh/h	33	651	652	11	14	90
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	89	89	88	88
Heavy Vehicles, %	3	3	3	3	2	2
Mvmt Flow	35	693	733	12	16	102

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	745	0	1502
Stage 1	-	-	739
Stage 2	-	-	763
Critical Hdwy	4.13	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.227	-	3.518
Pot Cap-1 Maneuver	858	-	134
Stage 1	-	-	472
Stage 2	-	-	460
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	858	-	125
Mov Cap-2 Maneuver	-	-	125
Stage 1	-	-	441
Stage 2	-	-	460

Approach	EB	WB	SB
HCM Control Delay, s	0.5	0	23
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	858	-	-	-	317
HCM Lane V/C Ratio	0.041	-	-	-	0.373
HCM Control Delay (s)	9.4	0	-	-	23
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.7

Intersection

Int Delay, s/veh 1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↔	↔		↔	
Traffic Vol, veh/h	51	567	487	3	5	35
Future Vol, veh/h	51	567	487	3	5	35
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	94	94	77	77
Heavy Vehicles, %	7	7	4	4	8	8
Mvmt Flow	62	693	570	4	7	50

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	574	0	1389
Stage 1	-	-	572
Stage 2	-	-	817
Critical Hdwy	4.17	-	6.48
Critical Hdwy Stg 1	-	-	5.48
Critical Hdwy Stg 2	-	-	5.48
Follow-up Hdwy	2.263	-	3.572
Pot Cap-1 Maneuver	975	-	508
Stage 1	-	-	553
Stage 2	-	-	424
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	975	-	508
Mov Cap-2 Maneuver	-	-	136
Stage 1	-	-	496
Stage 2	-	-	424

Approach	EB	WB	SB
HCM Control Delay, s	0.7	0	16.2
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	975	-	-	-	379
HCM Lane V/C Ratio	0.064	-	-	-	0.151
HCM Control Delay (s)	8.9	0	-	-	16.2
HCM Lane LOS	A	A	-	-	C
HCM 95th %tile Q(veh)	0.2	-	-	-	0.5

Intersection

Int Delay, s/veh 2.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↖	↗		↘	
Traffic Vol, veh/h	33	651	652	11	14	90
Future Vol, veh/h	33	651	652	11	14	90
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	94	94	89	89	88	88
Heavy Vehicles, %	3	3	3	3	2	2
Mvmt Flow	39	762	806	14	18	113























Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	820	0	1653
Stage 1	-	-	813
Stage 2	-	-	840
Critical Hdwy	4.13	-	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	2.227	-	3.518
Pot Cap-1 Maneuver	805	-	108
Stage 1	-	-	436
Stage 2	-	-	424
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	805	-	99
Mov Cap-2 Maneuver	-	-	99
Stage 1	-	-	399
Stage 2	-	-	424

Approach	EB	WB	SB
HCM Control Delay, s	0.5	0	29.5
HCM LOS			D

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	805	-	-	-	274
HCM Lane V/C Ratio	0.048	-	-	-	0.474
HCM Control Delay (s)	9.7	0	-	-	29.5
HCM Lane LOS	A	A	-	-	D
HCM 95th %tile Q(veh)	0.2	-	-	-	2.4

Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
Estimated 2025 AM Peak LOS - No Build

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	57	109	349	10	138	58	510	769	5	39	215	37
Future Volume (vph)	57	109	349	10	138	58	510	769	5	39	215	37
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		75	150		0	110		0
Storage Lanes	0		1	0		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt			0.850			0.850		0.999			0.978	
Flt Protected		0.983			0.997		0.950			0.950		
Satd. Flow (prot)	0	1796	1553	0	1857	1583	1770	3536	0	1752	3428	0
Flt Permitted		0.983			0.969		0.950			0.950		
Satd. Flow (perm)	0	1796	1553	0	1805	1583	1770	3536	0	1752	3428	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			452			164		1			17	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		2253			944			745			802	
Travel Time (s)		51.2			21.5			16.9			18.2	
Peak Hour Factor	0.85	0.85	0.85	0.78	0.78	0.78	0.89	0.89	0.89	0.79	0.79	0.79
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	4%	4%	4%	2%	2%	2%	2%	2%	2%	3%	3%	3%
Adj. Flow (vph)	74	141	452	14	195	82	630	950	6	54	299	52
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	215	452	0	209	82	630	956	0	54	351	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Split	NA	Perm	Perm	NA	Perm	Prot	NA		Prot	NA	

Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
 Estimated 2025 AM Peak LOS - No Build

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases	4	4			8		5	2		1	6	
Permitted Phases			4	8		8						
Detector Phase	4	4	4	8	8	8	5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	9.5	22.5		9.5	22.5	
Total Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	32.4	43.2		11.8	22.6	
Total Split (%)	22.5%	22.5%	22.5%	22.5%	22.5%	22.5%	32.4%	43.2%		11.8%	22.6%	
Maximum Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	27.9	38.7		7.3	18.1	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5	4.5		4.5	4.5	4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Recall Mode	None	None	None	None	None	None	None	Max		None	Max	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	7.0		7.0			7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	0		0			0	
Act Effct Green (s)		15.7	15.7		15.1	15.1	28.0	41.6		6.9	18.2	
Actuated g/C Ratio		0.17	0.17		0.16	0.16	0.29	0.44		0.07	0.19	
v/c Ratio		0.73	0.71		0.73	0.21	1.21	0.62		0.43	0.52	
Control Delay		53.1	10.7		54.1	1.2	143.0	24.8		54.8	37.0	
Queue Delay		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay		53.1	10.7		54.1	1.2	143.0	24.8		54.8	37.0	
LOS		D	B		D	A	F	C		D	D	
Approach Delay		24.3			39.2			71.7			39.4	
Approach LOS		C			D			E			D	

Intersection Summary























Area Type:	Other
Cycle Length:	100
Actuated Cycle Length:	95
Natural Cycle:	110
Control Type:	Semi Act-Uncoord
Maximum v/c Ratio:	1.21
Intersection Signal Delay:	53.4
Intersection Capacity Utilization	72.3%
Analysis Period (min)	15
Intersection LOS:	D
ICU Level of Service	C

Splits and Phases: 3: Route 53 & Route 139/Rockland Street



Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
Estimated 2025 PM Peak LOS

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	127	90	470	21	212	53	492	543	5	58	818	63
Future Volume (vph)	127	90	470	21	212	53	492	543	5	58	818	63
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		75	150		0	110		0
Storage Lanes	0		1	0		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt			0.850			0.850		0.999			0.989	
Flt Protected		0.972			0.996		0.950			0.950		
Satd. Flow (prot)	0	1793	1568	0	1855	1583	1770	3536	0	1770	3500	0
Flt Permitted		0.972			0.947		0.950			0.950		
Satd. Flow (perm)	0	1793	1568	0	1764	1583	1770	3536	0	1770	3500	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			550			117		1			6	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		2253			944			745			802	
Travel Time (s)		51.2			21.5			16.9			18.2	
Peak Hour Factor	0.94	0.94	0.94	0.80	0.80	0.80	0.95	0.95	0.95	0.93	0.93	0.93
Growth Factor	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
Heavy Vehicles (%)	3%	3%	3%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Adj. Flow (vph)	149	105	550	29	292	73	570	629	6	69	968	75
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	254	550	0	321	73	570	635	0	69	1043	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Split	NA	Perm	Perm	NA	Perm	Prot	NA		Prot	NA	

Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

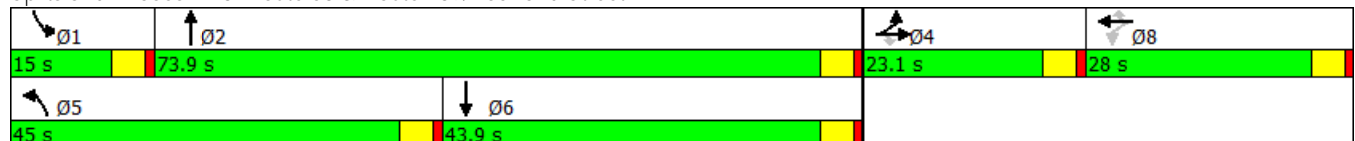
Route 139 Corridor Study
 Estimated 2025 PM Peak LOS

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Protected Phases	4	4			8		5	2		1	6	
Permitted Phases			4	8		8						
Detector Phase	4	4	4	8	8	8	5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	9.5	22.5		9.5	22.5	
Total Split (s)	23.1	23.1	23.1	28.0	28.0	28.0	45.0	73.9		15.0	43.9	
Total Split (%)	16.5%	16.5%	16.5%	20.0%	20.0%	20.0%	32.1%	52.8%		10.7%	31.4%	
Maximum Green (s)	18.6	18.6	18.6	23.5	23.5	23.5	40.5	69.4		10.5	39.4	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5	4.5		4.5	4.5	4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Recall Mode	None	None	None	None	None	None	None	Max		None	Max	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	7.0		7.0			7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	0		0			0	
Act Effct Green (s)		18.6	18.6		23.5	23.5	40.5	72.7		9.4	39.4	
Actuated g/C Ratio		0.13	0.13		0.17	0.17	0.29	0.52		0.07	0.28	
v/c Ratio		1.07	0.80		1.08	0.20	1.11	0.35		0.58	1.05	
Control Delay		133.5	14.3		130.1	2.8	120.0	21.0		82.5	91.8	
Queue Delay		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay		133.5	14.3		130.1	2.8	120.0	21.0		82.5	91.8	
LOS		F	B		F	A	F	C		F	F	
Approach Delay		51.9			106.5			67.9			91.2	
Approach LOS		D			F			E			F	

Intersection Summary























Area Type: Other
 Cycle Length: 140
 Actuated Cycle Length: 140
 Natural Cycle: 140
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.11
 Intersection Signal Delay: 75.9
 Intersection Capacity Utilization 98.6%
 Analysis Period (min) 15
 Intersection LOS: E
 ICU Level of Service F

Splits and Phases: 3: Route 53 & Route 139/Rockland Street



Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
Existing AM Peak LOS

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	57	109	349	10	138	58	510	769	5	39	215	37
Future Volume (vph)	57	109	349	10	138	58	510	769	5	39	215	37
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		75	150		0	110		0
Storage Lanes	0		1	0		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt			0.850			0.850		0.999			0.978	
Flt Protected		0.983			0.997		0.950			0.950		
Satd. Flow (prot)	0	1796	1553	0	1857	1583	1770	3536	0	1752	3428	0
Flt Permitted		0.983			0.970		0.950			0.950		
Satd. Flow (perm)	0	1796	1553	0	1807	1583	1770	3536	0	1752	3428	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			411			164		1			17	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		2253			944			745			802	
Travel Time (s)		51.2			21.5			16.9			18.2	
Peak Hour Factor	0.85	0.85	0.85	0.78	0.78	0.78	0.89	0.89	0.89	0.79	0.79	0.79
Heavy Vehicles (%)	4%	4%	4%	2%	2%	2%	2%	2%	2%	3%	3%	3%
Adj. Flow (vph)	67	128	411	13	177	74	573	864	6	49	272	47
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	195	411	0	190	74	573	870	0	49	319	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Split	NA	Perm	Perm	NA	Perm	Prot	NA		Prot	NA	
Protected Phases	4	4			8		5	2		1	6	

Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
 Existing AM Peak LOS

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4	8		8						
Detector Phase	4	4	4	8	8	8	5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	9.5	22.5		9.5	22.5	
Total Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	32.4	43.2		11.8	22.6	
Total Split (%)	22.5%	22.5%	22.5%	22.5%	22.5%	22.5%	32.4%	43.2%		11.8%	22.6%	
Maximum Green (s)	18.0	18.0	18.0	18.0	18.0	18.0	27.9	38.7		7.3	18.1	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5	4.5		4.5	4.5	4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Recall Mode	None	None	None	None	None	None	None	Max		None	Max	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	7.0		7.0			7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	0		0			0	
Act Effct Green (s)		14.9	14.9		14.4	14.4	28.1	44.0		6.8	18.2	
Actuated g/C Ratio		0.16	0.16		0.15	0.15	0.30	0.47		0.07	0.19	
v/c Ratio		0.68	0.69		0.68	0.19	1.08	0.52		0.39	0.47	
Control Delay		50.4	10.7		51.1	1.1	97.4	21.4		52.6	35.4	
Queue Delay		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay		50.4	10.7		51.1	1.1	97.4	21.4		52.6	35.4	
LOS		D	B		D	A	F	C		D	D	
Approach Delay		23.4			37.1			51.6			37.7	
Approach LOS		C			D			D			D	

Intersection Summary























Area Type: Other
 Cycle Length: 100
 Actuated Cycle Length: 93.7
 Natural Cycle: 100
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.08
 Intersection Signal Delay: 41.9
 Intersection Capacity Utilization 67.1%
 Analysis Period (min) 15
 Intersection LOS: D
 ICU Level of Service C

Splits and Phases: 3: Route 53 & Route 139/Rockland Street



Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
Existing PM Peak LOS

												
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	127	90	470	21	212	53	492	543	5	58	818	63
Future Volume (vph)	127	90	470	21	212	53	492	543	5	58	818	63
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		75	150		0	110		0
Storage Lanes	0		1	0		1	1		0	1		0
Taper Length (ft)	25			25			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.95	1.00	0.95	0.95
Frt			0.850			0.850		0.999			0.989	
Flt Protected		0.972			0.996		0.950			0.950		
Satd. Flow (prot)	0	1793	1568	0	1855	1583	1770	3536	0	1770	3500	0
Flt Permitted		0.972			0.951		0.950			0.950		
Satd. Flow (perm)	0	1793	1568	0	1771	1583	1770	3536	0	1770	3500	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			500			117		1			6	
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		2253			944			745			802	
Travel Time (s)		51.2			21.5			16.9			18.2	
Peak Hour Factor	0.94	0.94	0.94	0.80	0.80	0.80	0.95	0.95	0.95	0.93	0.93	0.93
Heavy Vehicles (%)	3%	3%	3%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Adj. Flow (vph)	135	96	500	26	265	66	518	572	5	62	880	68
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	231	500	0	291	66	518	577	0	62	948	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		0			0			12			12	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)		16			16			16			16	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	1	2	1	1	2	1	1	2		1	2	
Detector Template	Left	Thru	Right	Left	Thru	Right	Left	Thru		Left	Thru	
Leading Detector (ft)	20	100	20	20	100	20	20	100		20	100	
Trailing Detector (ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Position(ft)	0	0	0	0	0	0	0	0		0	0	
Detector 1 Size(ft)	20	6	20	20	6	20	20	6		20	6	
Detector 1 Type	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex	Cl+Ex		Cl+Ex	Cl+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6			6			6			6	
Detector 2 Type		Cl+Ex			Cl+Ex			Cl+Ex			Cl+Ex	
Detector 2 Channel												
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Split	NA	Perm	Perm	NA	Perm	Prot	NA		Prot	NA	
Protected Phases	4	4			8		5	2		1	6	

Lanes, Volumes, Timings
3: Route 53 & Route 139/Rockland Street

Route 139 Corridor Study
Existing PM Peak LOS

Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Permitted Phases			4	8		8						
Detector Phase	4	4	4	8	8	8	5	2		1	6	
Switch Phase												
Minimum Initial (s)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0		5.0	5.0	
Minimum Split (s)	22.5	22.5	22.5	22.5	22.5	22.5	9.5	22.5		9.5	22.5	
Total Split (s)	23.1	23.1	23.1	28.0	28.0	28.0	45.0	73.9		15.0	43.9	
Total Split (%)	16.5%	16.5%	16.5%	20.0%	20.0%	20.0%	32.1%	52.8%		10.7%	31.4%	
Maximum Green (s)	18.6	18.6	18.6	23.5	23.5	23.5	40.5	69.4		10.5	39.4	
Yellow Time (s)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5		3.5	3.5	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	
Lost Time Adjust (s)		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Lost Time (s)		4.5	4.5		4.5	4.5	4.5	4.5		4.5	4.5	
Lead/Lag							Lead	Lag		Lead	Lag	
Lead-Lag Optimize?							Yes	Yes		Yes	Yes	
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	
Recall Mode	None	None	None	None	None	None	None	Max		None	Max	
Walk Time (s)	7.0	7.0	7.0	7.0	7.0	7.0		7.0			7.0	
Flash Dont Walk (s)	11.0	11.0	11.0	11.0	11.0	11.0		11.0			11.0	
Pedestrian Calls (#/hr)	0	0	0	0	0	0		0			0	
Act Effct Green (s)		18.6	18.6		23.5	23.5	40.5	72.8		9.2	39.4	
Actuated g/C Ratio		0.13	0.13		0.17	0.17	0.29	0.52		0.07	0.28	
v/c Ratio		0.97	0.78		0.98	0.18	1.01	0.31		0.53	0.96	
Control Delay		111.0	14.0		104.8	1.4	91.7	20.5		79.6	69.3	
Queue Delay		0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	
Total Delay		111.0	14.0		104.8	1.4	91.7	20.5		79.6	69.3	
LOS		F	B		F	A	F	C		E	E	
Approach Delay		44.6			85.7			54.2			69.9	
Approach LOS		D			F			D			E	

Intersection Summary

Area Type: Other
 Cycle Length: 140
 Actuated Cycle Length: 140
 Natural Cycle: 140
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 1.01
 Intersection Signal Delay: 60.5
 Intersection Capacity Utilization 91.0%
 Analysis Period (min) 15
 Intersection LOS: E
 ICU Level of Service E

Splits and Phases: 3: Route 53 & Route 139/Rockland Street



Appendix D
Intersection Crash Rates

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Hanover COUNT DATE : Oct-19

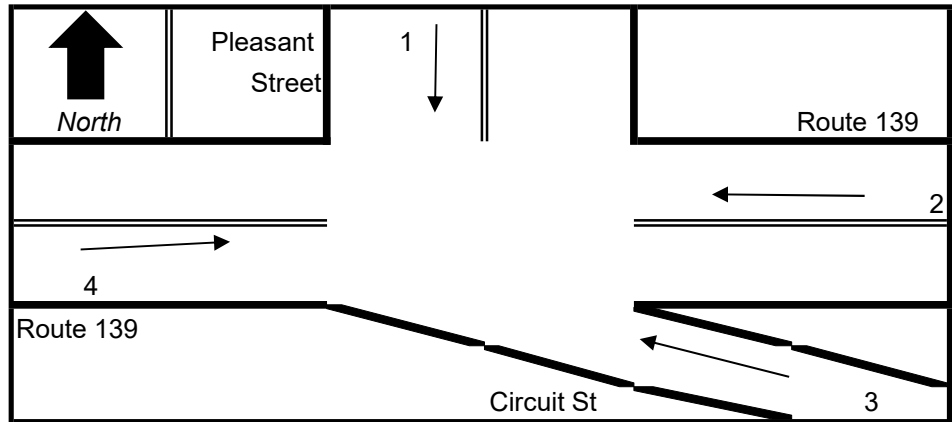
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Hanover Street (Route 139)

MINOR STREET(S) : Pleasant Street and Circuit Street

INTERSECTION
 DIAGRAM
 (Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB	EB		
PEAK HOURLY VOLUMES (AM/PM) :	661	476	397	551		

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

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

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

Comments : Crash Data: 1/1/15 - 12/31/19

Project Title & Date: _____

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Hanover COUNT DATE : Dec-19

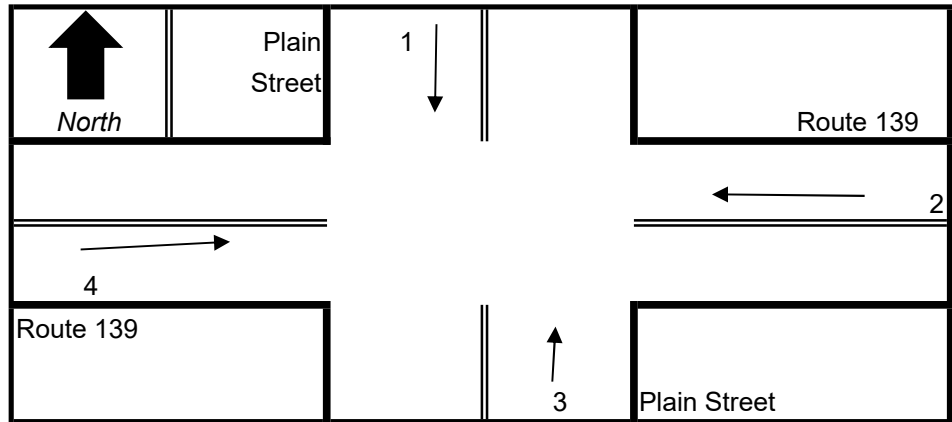
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Hanover Street (Route 139)

MINOR STREET(S) : Plain Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB	EB		
PEAK HOURLY VOLUMES (AM/PM) :	156	439	67	425		1,087

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

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

CRASH RATE CALCULATION :

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

Comments : Crash Data: 1/1/15 - 12/31/19

Project Title & Date: _____

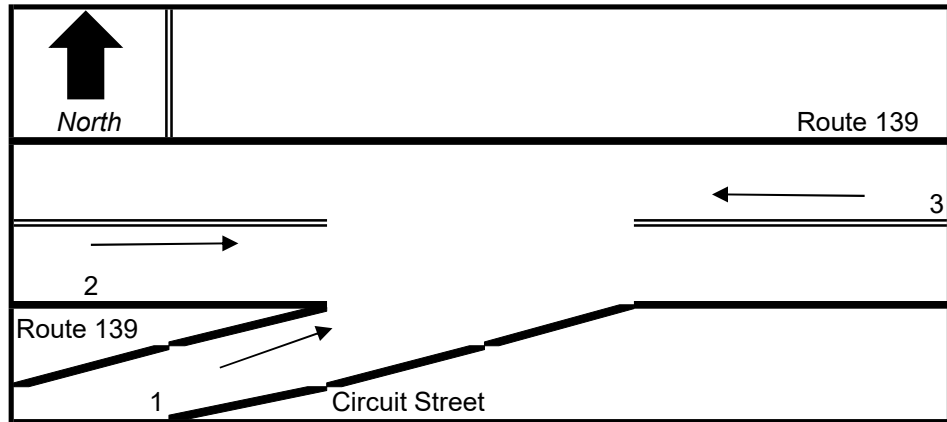
INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Hanover COUNT DATE : Dec-19
 DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Hanover Street (Route 139)
 MINOR STREET(S) : Circuit Street

**INTERSECTION
 DIAGRAM**
 (Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	NB	EB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	217	432	589			1,238

" K " FACTOR :

0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :	13,756
--------------	-----------------------------------------------------------	---------------

TOTAL # OF CRASHES :

<input type="text" value="2"/>	# OF YEARS :	<input type="text" value="5"/>	AVERAGE # OF CRASHES PER YEAR (A) :	0.40
--------------------------------	-----------------	--------------------------------	------------------------------------------	-------------

CRASH RATE CALCULATION :

0.08

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

Comments : Crash Data: 1/1/15 - 12/31/19

Project Title & Date: _____



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Hanover COUNT DATE : Dec-19

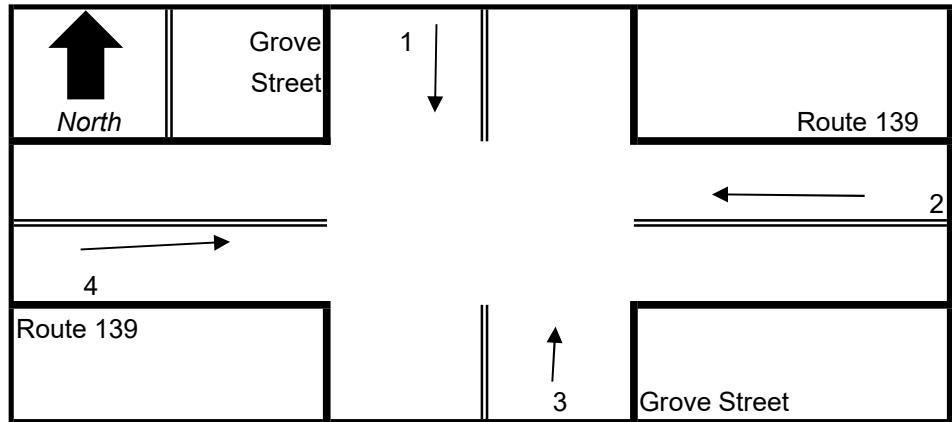
DISTRICT : 5 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Hanover Street (Route 139)

MINOR STREET(S) : Grove Street

**INTERSECTION
DIAGRAM
(Label Approaches)**



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	SB	WB	NB	EB		
PEAK HOURLY VOLUMES (AM/PM) :	105	592	38	612		1,347

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

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

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

Comments : Crash Data: 1/1/15 - 12/31/19

Project Title & Date: _____

INTERSECTION CRASH RATE WORKSHEET

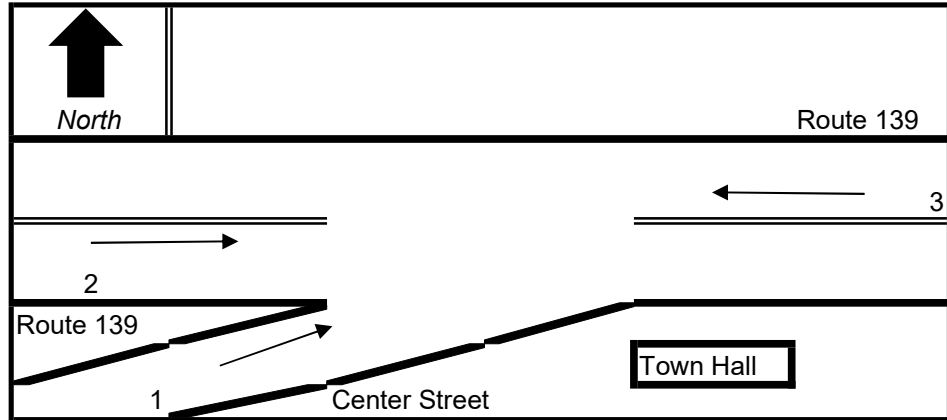
CITY/TOWN : Hanover COUNT DATE : Nov-19
DISTRICT : 5 UNSIGNALIZED : SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Hanover Street (Route 139)

MINOR STREET(S) : Center Street

INTERSECTION
DIAGRAM
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	NB	EB	WB			
PEAK HOURLY VOLUMES (AM/PM) :	145	577	963			1,685

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

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

CRASH RATE CALCULATION :

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

Comments : Crash Data: 1/1/15 - 12/31/19

Project Title & Date: _____

Appendix E
MUTCD Traffic Signal Warrant Analyses

Warrants Summary Report

1: 139 at Plain

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Plain Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

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	10 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	7 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	4 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)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi Yes 14 Hours met (8 required)

Ped Condition? No 0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

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: 139 at Plain

Intersection Information

Major Street Name: Route 139

Major Street Direction: EB/WB

Minor Street Direction: NB/SB

WARRANT 1 MET? Yes

Details:

Condition A Met? Yes 12 Hours met (8 required)

Condition B Met? Yes 10 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)	High Volume Minor Approach Vehicles	70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
			Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	34	3	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
01:00 to 02:00	22	2	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
02:00 to 03:00	14	0	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
03:00 to 04:00	22	2	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

04:00 to 05:00		53		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

05:00 to 06:00		172		26		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

06:00 to 07:00		507		90		No	No	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

07:00 to 08:00		756		184		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

08:00 to 09:00		756		114		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

09:00 to 10:00		600		84		No	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

10:00 to 11:00		533		68		No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

11:00 to 12:00	536	74	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

12:00 to 13:00	600	82	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

13:00 to 14:00	572	90	No	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

14:00 to 15:00	643	128	Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

15:00 to 16:00	829	136	Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

16:00 to 17:00	812	162	Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

17:00 to 18:00	849	219	Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

18:00 to 19:00		618		128		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

19:00 to 20:00		475		65		No	No	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

20:00 to 21:00		355		54		No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	Yes					

21:00 to 22:00		228		28		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

22:00 to 23:00		146		16		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

23:00 to 00:00		68		4		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

Warrant 2: Four-hour Vehicular Volume

1: 139 at Plain

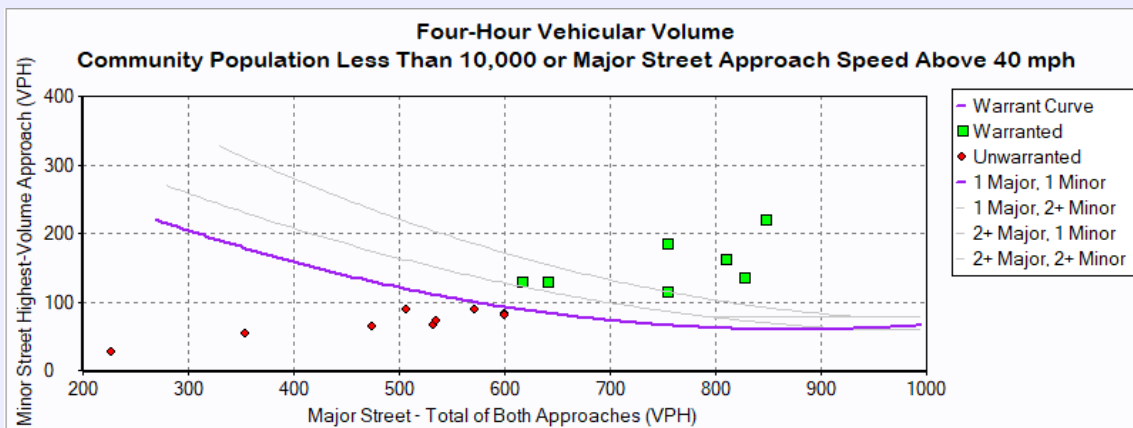
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Plain Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

Warrant 2 Met? **Yes**

Details:

Notes	7 Hours met (4 required)
Low population	No



Hourly Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
00:00:00 - 01:00:00	34.00	3.00
01:00:00 - 02:00:00	22.00	2.00
02:00:00 - 03:00:00	14.00	0.00
03:00:00 - 04:00:00	22.00	2.00
04:00:00 - 05:00:00	53.00	10.00
05:00:00 - 06:00:00	172.00	26.00
06:00:00 - 07:00:00	507.00	90.00
07:00:00 - 08:00:00	756.00	184.00
08:00:00 - 09:00:00	756.00	114.00
09:00:00 - 10:00:00	600.00	84.00
10:00:00 - 11:00:00	533.00	68.00
11:00:00 - 12:00:00	536.00	74.00
12:00:00 - 13:00:00	600.00	82.00
13:00:00 - 14:00:00	572.00	90.00
14:00:00 - 15:00:00	643.00	128.00
15:00:00 - 16:00:00	829.00	136.00
16:00:00 - 17:00:00	812.00	162.00
17:00:00 - 18:00:00	849.00	219.00
18:00:00 - 19:00:00	618.00	128.00
19:00:00 - 20:00:00	475.00	65.00
20:00:00 - 21:00:00	355.00	54.00
21:00:00 - 22:00:00	228.00	28.00
22:00:00 - 23:00:00	146.00	16.00
23:00:00 - 00:00:00	68.00	4.00

Warranted Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
07:00:00 - 08:00:00	756.00	184.00
08:00:00 - 09:00:00	756.00	114.00
14:00:00 - 15:00:00	643.00	128.00
15:00:00 - 16:00:00	829.00	136.00
16:00:00 - 17:00:00	812.00	162.00
17:00:00 - 18:00:00	849.00	219.00
18:00:00 - 19:00:00	618.00	128.00

Warrant 3: Peak Hour

1: 139 at Plain

Intersection Information

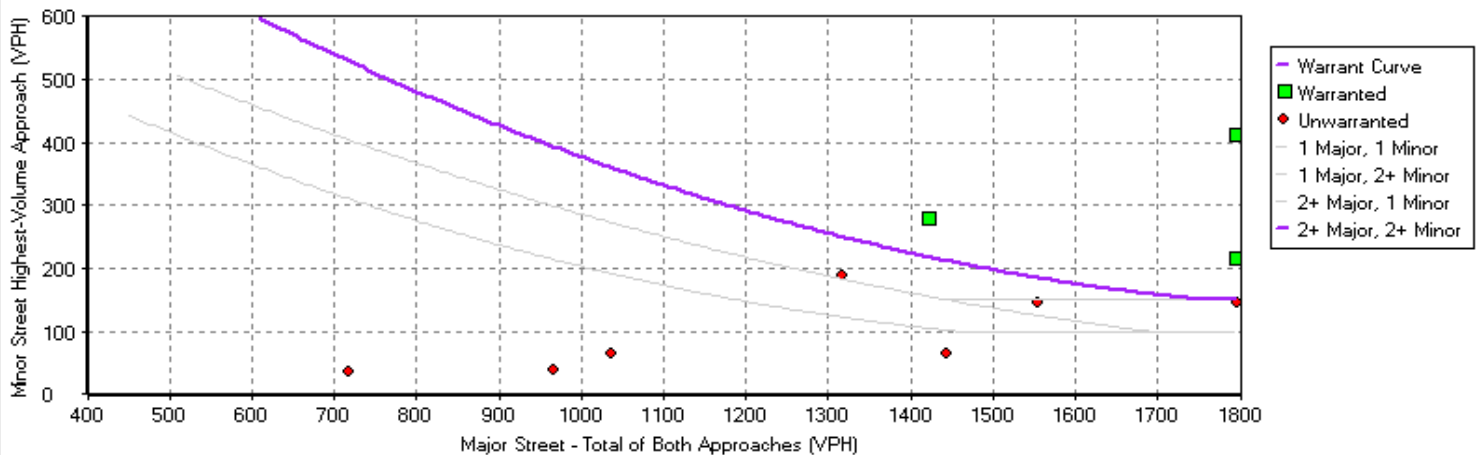
	Major Street	Minor Street
Street Name	Route 139	Plain Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

Warrant 3 Met? **Yes**

Details

Low Population?	No	Condition B Met'	Yes
Condition A Met'	No	Notes	4 Hours met (1 required)
Notes	0 Hours met (1 required)	Minor Approach Time Delay Condition Met?	Not Met
Minor Approach Time Delay Condition Met?	Not Met	Minor Approach Volume Condition Met?	Met
Minor Approach Volume Condition Met?	Met	Total Entering Intersection Volume Condition Met?	Not Met
Total Entering Intersection Volume Condition Met?	Not Met		

Peak Hour Vehicular Volume
Community Population Greater Than 10,000 and Major Street Approach Speed Below 40 mph



Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
0:00	34	3
1:00	22	2
2:00	14	0
3:00	22	2
4:00	53	10
5:00	172	26
6:00	507	90
7:00	756	184
8:00	756	114
9:00	600	84
10:00	533	68
11:00	536	74
12:00	600	82
13:00	572	90
14:00	643	128
15:00	829	136
16:00	812	162
17:00	849	219
18:00	618	128
19:00	475	65
20:00	355	54
21:00	228	28
22:00	146	16
23:00	68	4

Warrant 4: Pedestrian Volume

1: 139 at Plain

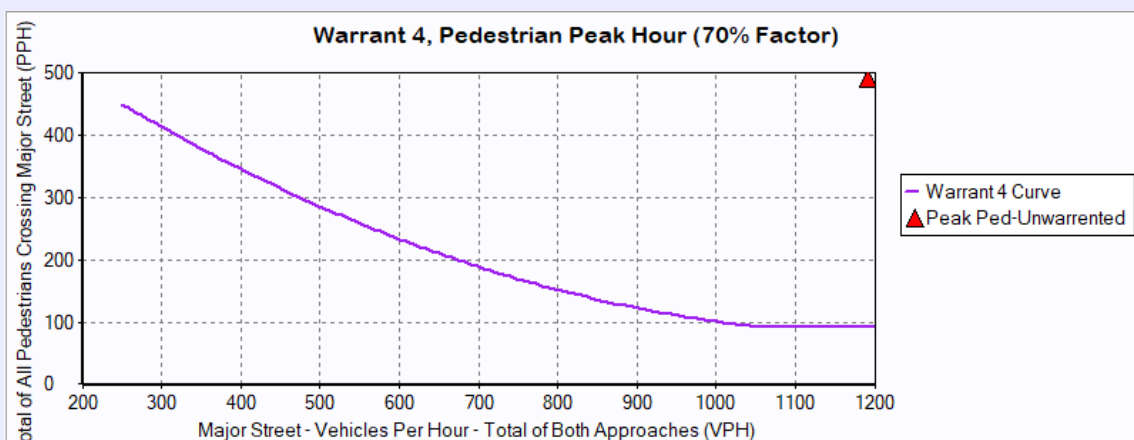
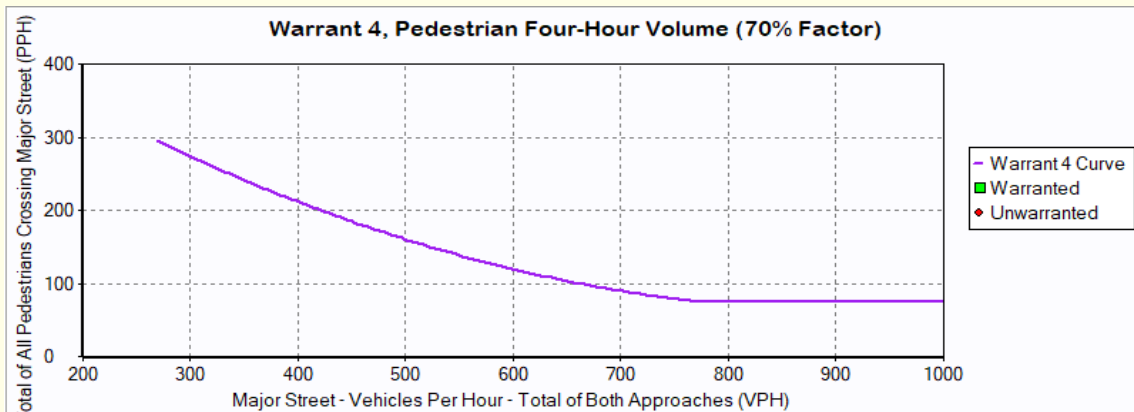
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Plain Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approch Speed	45	30

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 Major Street > 35mph, or Intersection lies within an Isolated Community with Population < 10,000?	Yes	



Warrant 5: School Crossing

1: 139 at Plain

Intersection Information

Major Street Name Route 139

Major Street 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: 139 at Plain

Intersection Information

Major Street Name Route 139
Major Street Direction EB/WB

WARRANT 6 MET? **No**

Details:

Approach Direction & Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
SB Approach (Plain Street)	Yes	No	N/A
NB Approach (Plain Street)	Yes	No	N/A
WB Approach (Route 139)	Yes	No	N/A
EB Approach (Route 139)	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: 139 at Plain

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB/SB

WARRANT 7 MET? **No**

Details:

Low Population?	No	Traffic Volume Condition Met?	Yes
Major Street Speed Limit	45		14 Hours Met (8 Required)
Major Street 85th-% tile Speed	48.00	Ped Volume Condition Met?	No
			0 Hours Met (8 Required)
Qualifying Crashes		0	
Adequate Alternative Trials?	No		

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	80% Standard Met? A or B		Northbound Ped Volumes		Southbound Ped Volumes	
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	34	0	No	No	0	No	0	No
01:00 to 02:00	22	0	No	No	0	No	0	No
02:00 to 03:00	14	0	No	No	0	No	0	No
03:00 to 04:00	22	0	No	No	0	No	0	No
04:00 to 05:00	53	0	No	No	0	No	0	No
05:00 to 06:00	172	0	No	No	0	No	0	No
06:00 to 07:00	507	0	No	No	0	No	0	No
07:00 to 08:00	756	0	No	No	0	No	0	No

08:00 to 09:00	756	0	No	No	0	No	0	No
09:00 to 10:00	600	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	536	0	No	No	0	No	0	No
12:00 to 13:00	600	0	No	No	0	No	0	No
13:00 to 14:00	572	0	No	No	0	No	0	No
14:00 to 15:00	643	0	No	No	0	No	0	No
15:00 to 16:00	829	0	No	No	0	No	0	No
16:00 to 17:00	812	0	No	No	0	No	0	No
17:00 to 18:00	849	0	No	No	0	No	0	No
18:00 to 19:00	618	0	No	No	0	No	0	No
19:00 to 20:00	475	0	No	No	0	No	0	No
20:00 to 21:00	355	0	No	No	0	No	0	No
21:00 to 22:00	228	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	68	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: 139 at Plain

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB/SB

WARRANT 8 MET? (A or B) No

Details:

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

<u>Condition A, Total Entering Volume</u>		<u>Condition B, Non-normal Business Day</u>		
			<u>Existing</u>	<u>Future</u>
Existing Peak Hour	1,126	Highest Hour	0	0
Years	0.00	Second Highest Hour	0	0
Future Peak Hour	1,126	Third Highest Hour	0	0
Warrant 1 in 5 Years?	No	Fourth Highest Hour	0	0
Warrant 2 in 5 Years?	No	Fifth Highest Hour	0	0
Warrant 3 in 5 Years?	No	Yearly Growth Rate (%)	0.00	
		Years	0.00	

Condition A Met? No Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing

1: 139 at Plain

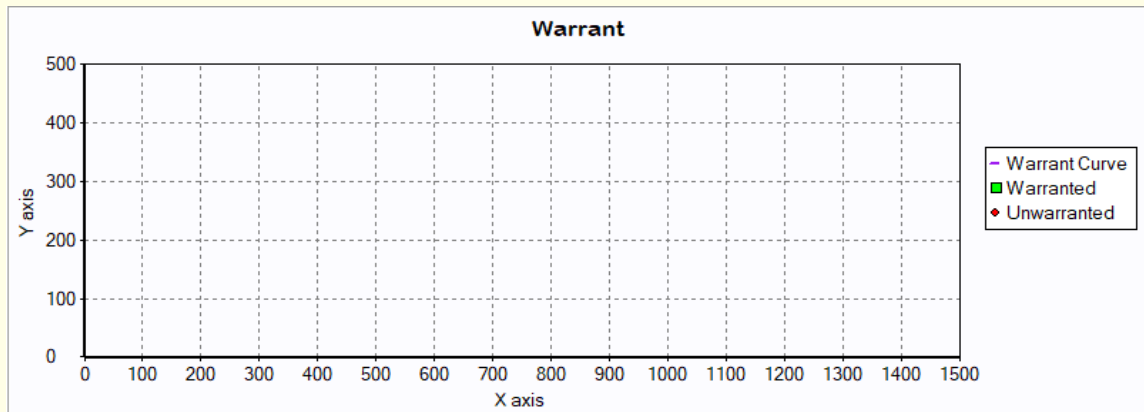
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Plain Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

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		



Hour	Major Street Total of Both Approaches (vph)	Minor Street Adjusted Volume Crossing Tracks (vph)

All-Way Stop Control Warrant: Multiway Stop Applications

1: 139 at Plain

Intersection Information

Major Street Name: Route 139
 Major Street Direction: EB/WB
 Minor Street Direction: NB/SB

AWSC WARRANT MET? Yes

Details:

Condition A Met?	Yes	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	48.00
Condition C Met?	No	Major Street Speed Limit	45
Notes: 4 Hours Met (8 Required)			

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street Veh Vol > 210	Avg(Veh + Ped + Bicycle) > 200	Minor Street Delay > 30
07:00 to 08:00	756	300	0	0	0	0	False	No	No
08:00 to 09:00	756	209	0	0	0	0	False	No	No
16:00 to 17:00	812	224	0	0	0	0	False	No	No
17:00 to 18:00	849	277	0	0	0	0	False	No	No

Warrants Summary Report

1: Route 139 at Grove

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Grove Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	No	
Condition A or B Met?	No	7 Hours met (8 required)
Condition A and B Met?	No	4 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	3 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)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi Yes 9 Hours met (8 required)

Ped Condition? No 0 Hours met (8 required)

Warrant 8, Roadway Network

No

Warrant 9, Intersection Near a Grade Crossing

No

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 139 at Grove

Intersection Information

Major Street Name: Route 139

Major Street Direction: EB/WB

Minor Street Direction: NB/SB

WARRANT 1 MET? No

Details:

Condition A Met? **No** 7 Hours met (8 required)

Condition B Met? **No** 4 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)	High Volume Minor Approach Vehicles	70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
			Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	36	1	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
01:00 to 02:00	23	2	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
02:00 to 03:00	16	0	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
03:00 to 04:00	24	0	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

04:00 to 05:00		48		10		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

05:00 to 06:00		162		24		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

06:00 to 07:00		487		70		No	No	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

07:00 to 08:00		757		146		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

08:00 to 09:00		780		88		No	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

09:00 to 10:00		634		44		No	No	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

10:00 to 11:00		597		36		No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No					

11:00 to 12:00	594	30	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No		

12:00 to 13:00	644	40	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No		

13:00 to 14:00	644	40	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No		

14:00 to 15:00	707	63	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

15:00 to 16:00	912	82	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

16:00 to 17:00	922	94	No	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

17:00 to 18:00	965	100	No	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

18:00 to 19:00		693		77	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes				

19:00 to 20:00		528		40	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No				

20:00 to 21:00		397		38	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No				

21:00 to 22:00		262		20	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No				

22:00 to 23:00		165		6	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No				

23:00 to 00:00		75		6	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No				

Warrant 2: Four-hour Vehicular Volume

1: Route 139 at Grove

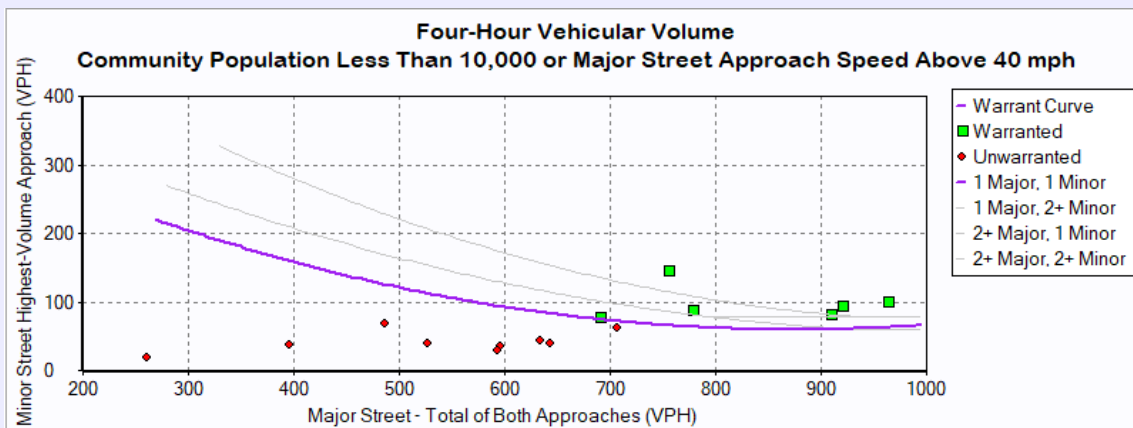
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Grove Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

Warrant 2 Met? **Yes**

Details:

Notes	6 Hours met (4 required)
Low population	No



Hourly Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
00:00:00 - 01:00:00	36.00	1.00
01:00:00 - 02:00:00	23.00	2.00
02:00:00 - 03:00:00	16.00	0.00
03:00:00 - 04:00:00	24.00	0.00
04:00:00 - 05:00:00	48.00	10.00
05:00:00 - 06:00:00	162.00	24.00
06:00:00 - 07:00:00	487.00	70.00
07:00:00 - 08:00:00	757.00	146.00
08:00:00 - 09:00:00	780.00	88.00
09:00:00 - 10:00:00	634.00	44.00
10:00:00 - 11:00:00	597.00	36.00
11:00:00 - 12:00:00	594.00	30.00
12:00:00 - 13:00:00	644.00	40.00
13:00:00 - 14:00:00	644.00	40.00
14:00:00 - 15:00:00	707.00	63.00
15:00:00 - 16:00:00	912.00	82.00
16:00:00 - 17:00:00	922.00	94.00
17:00:00 - 18:00:00	965.00	100.00
18:00:00 - 19:00:00	693.00	77.00
19:00:00 - 20:00:00	528.00	40.00
20:00:00 - 21:00:00	397.00	38.00
21:00:00 - 22:00:00	262.00	20.00
22:00:00 - 23:00:00	165.00	6.00
23:00:00 - 00:00:00	75.00	6.00

Warranted Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
07:00:00 - 08:00:00	757.00	146.00
08:00:00 - 09:00:00	780.00	88.00
15:00:00 - 16:00:00	912.00	82.00
16:00:00 - 17:00:00	922.00	94.00
17:00:00 - 18:00:00	965.00	100.00
18:00:00 - 19:00:00	693.00	77.00

Warrant 3: Peak Hour

1: Route 139 at Grove

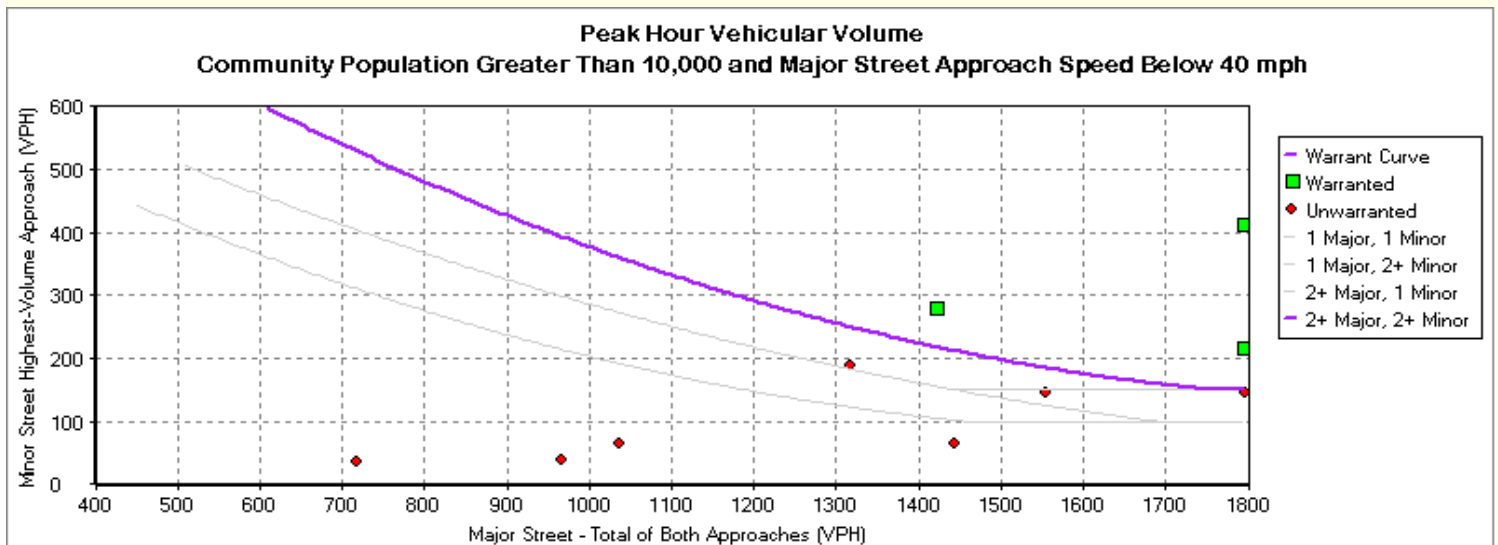
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Grove Street
Direction	EB/WB	NB/SB
Number of Lanes	1	1
Approach Speed	45	30

Warrant 3 Met? **Yes**

Details

Low Population?	No		
Condition A Met?	No	Condition B Met?	Yes
Notes	0 Hours met (1 required)	Notes	3 Hours met (1 required)
Minor Approach Time Delay Condition Met?	Not Met		
Minor Approach Volume Condition Met?	Met		
Total Entering Intersection Volume Condition Met?	Not Met		



Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
0:00	36	1
1:00	23	2
2:00	16	0
3:00	24	0
4:00	48	10
5:00	162	24
6:00	487	70
7:00	757	146
8:00	780	88
9:00	634	44
10:00	597	36
11:00	594	30
12:00	644	40
13:00	644	40
14:00	707	63
15:00	912	82
16:00	922	94
17:00	965	100
18:00	693	77
19:00	528	40
20:00	397	38
21:00	262	20
22:00	165	6
23:00	75	6

Warrant 4: Pedestrian Volume

1: Route 139 at Grove

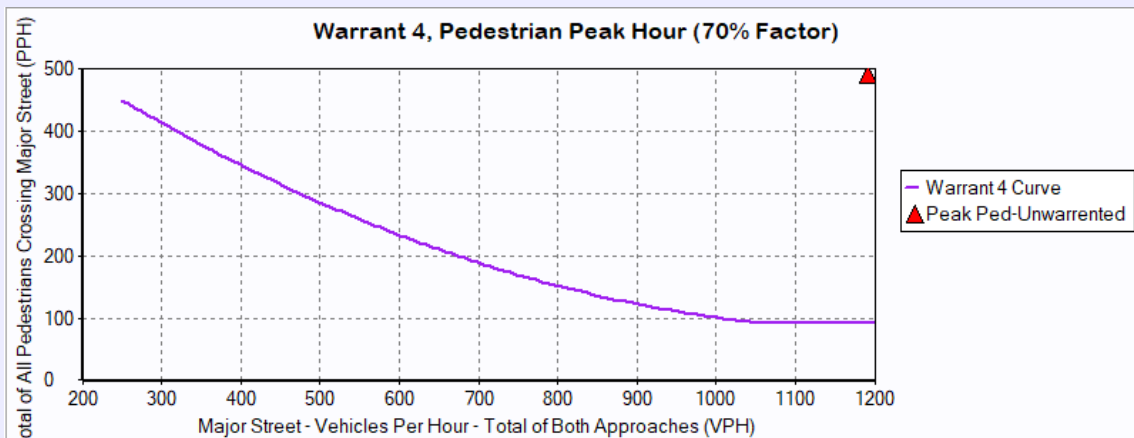
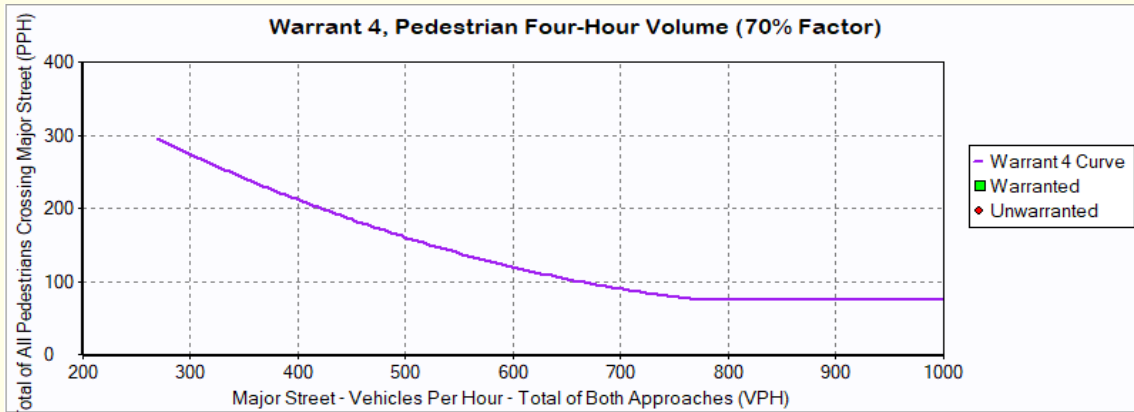
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Grove Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approch Speed	45	30

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 Major Street > 35mph, or Intersection lies within an Isolated Community with Population < 10,000?	Yes	



Warrant 5: School Crossing

1: Route 139 at Grove

Intersection Information

Major Street Name Route 139

Major Street 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 139 at Grove

Intersection Information

Major Street Name Route 139
Major Street Direction EB/WB

WARRANT 6 MET? **No**

Details:

Approach Direction & Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
SB Approach (Grove Street)	Yes	No	N/A
NB Approach (Grove Street)	Yes	No	N/A
WB Approach (Route 139)	Yes	No	N/A
EB Approach (Route 139)	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 139 at Grove

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB/SB

WARRANT 7 MET? **No**

Details:

Low Population?	No	Traffic Volume Condition Met?	Yes
Major Street Speed Limit	45		9 Hours Met (8 Required)
Major Street 85th-% tile Speed	45.00	Ped Volume Condition Met?	No
			0 Hours Met (8 Required)
Qualifying Crashes		0	
Adequate Alternative Trials?		No	

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	80% Standard Met? A or B		Northbound Ped Volumes		Southbound Ped Volumes	
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	36	0	No	No	0	No	0	No
01:00 to 02:00	23	0	No	No	0	No	0	No
02:00 to 03:00	16	0	No	No	0	No	0	No
03:00 to 04:00	24	0	No	No	0	No	0	No
04:00 to 05:00	48	0	No	No	0	No	0	No
05:00 to 06:00	162	0	No	No	0	No	0	No
06:00 to 07:00	487	0	No	No	0	No	0	No
07:00 to 08:00	757	0	No	No	0	No	0	No

08:00 to 09:00	780	0	No	No	0	No	0	No
09:00 to 10:00	634	0	No	No	0	No	0	No
10:00 to 11:00	597	0	No	No	0	No	0	No
11:00 to 12:00	594	0	No	No	0	No	0	No
12:00 to 13:00	644	0	No	No	0	No	0	No
13:00 to 14:00	644	0	No	No	0	No	0	No
14:00 to 15:00	707	0	No	No	0	No	0	No
15:00 to 16:00	912	0	No	No	0	No	0	No
16:00 to 17:00	922	0	No	No	0	No	0	No
17:00 to 18:00	965	0	No	No	0	No	0	No
18:00 to 19:00	693	0	No	No	0	No	0	No
19:00 to 20:00	528	0	No	No	0	No	0	No
20:00 to 21:00	397	0	No	No	0	No	0	No
21:00 to 22:00	262	0	No	No	0	No	0	No
22:00 to 23:00	165	0	No	No	0	No	0	No
23:00 to 00:00	75	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: Route 139 at Grove

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB/SB

WARRANT 8 MET? (A or B) No

Details:

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

Condition A, Total Entering Volume		Condition B, Non-normal Business Day		
			Existing	Future
Existing Peak Hour	1,113	Highest Hour	0	0
Years	0.00	Second Highest Hour	0	0
Future Peak Hour	1,113	Third Highest Hour	0	0
Warrant 1 in 5 Years?	No	Fourth Highest Hour	0	0
Warrant 2 in 5 Years?	No	Fifth Highest Hour	0	0
Warrant 3 in 5 Years?	No	Yearly Growth Rate (%)	0.00	
		Years	0.00	

Condition A Met? No Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing

1: Route 139 at Grove

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Grove Street
Direction	EB/WB	NB/SB
Number of Lane:	1	1
Approach Speed	45	30

WARRANT 9 MET ? **No**

Details

Note **No approach with a railroad grade crossing**

Minor street approach having a grade crossing

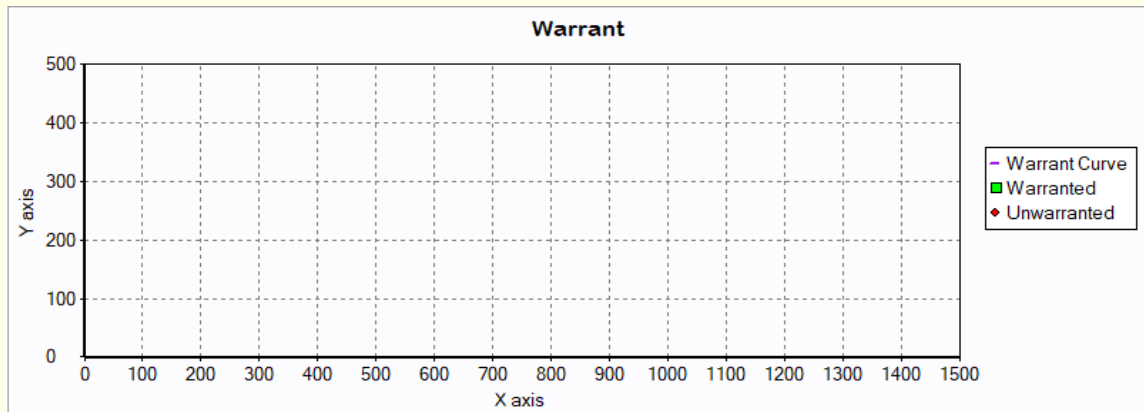
Distance from the center of the track to the stop or yield line Interpolated

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



Hour	Major Street Total of Both Approaches (vph)	Minor Street Adjusted Volume Crossing Tracks (vph)

All-Way Stop Control Warrant: Multiway Stop Applications

1: Route 139 at Grove

Intersection Information

Major Street Name: Route 139
 Major Street Direction: EB/WB
 Minor Street Direction: NB/SB

AWSC WARRANT MET? Yes

Details:

Condition A Met?	Yes	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	45.00
Condition C Met?	No	Major Street Speed Limit	45
Notes: 0 Hours Met (8 Required)			

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street Veh Vol > 210	Minor Street Avg(Veh + Ped + Bicycle) > 200	Minor Street Delay > 30

Warrants Summary Report

1: Route 139 at Center

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Center Street
Direction	EB/WB	NB
Number of Lane:	1	1
Approach Speed	45	30

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	Yes	
Condition A or B Met?	Yes	14 Hours met (8 required)
Condition A and B Met?	Yes	13 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	14 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	12 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)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi Yes 14 Hours met (8 required)

Ped Condition? No 0 Hours met (8 required)

Warrant 8, Roadway Network

Yes

Warrant 9, Intersection Near a Grade Crossing

No

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 139 at Center

Intersection Information

Major Street Name: Route 139

Major Street Direction: EB/WB

Minor Street Direction: NB

WARRANT 1 MET? Yes

Details:

Condition A Met? Yes 14 Hours met (8 required)

Condition B Met? Yes 13 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)	High Volume Minor Approach Vehicles	70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
			Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	50	4	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
01:00 to 02:00	28	1	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
02:00 to 03:00	18	4	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
03:00 to 04:00	24	4	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

04:00 to 05:00		62		50		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	Yes					

05:00 to 06:00		186		80		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	Yes					

06:00 to 07:00		576		140		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

07:00 to 08:00		958		302		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

08:00 to 09:00		959		244		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

09:00 to 10:00		802		174		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

10:00 to 11:00		729		166		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

11:00 to 12:00		832		149		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

12:00 to 13:00		918		126		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

13:00 to 14:00		895		128		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

14:00 to 15:00		1,035		136		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

15:00 to 16:00		1,245		174		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

16:00 to 17:00		1,315		157		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

17:00 to 18:00		1,319		156		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

18:00 to 19:00	898	118	Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

19:00 to 20:00	744	82	No	Yes*	No	Yes
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes		

20:00 to 21:00	536	38	No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No		

21:00 to 22:00	316	20	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

22:00 to 23:00	204	13	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

23:00 to 00:00	107	6	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

Warrant 2: Four-hour Vehicular Volume

1: Route 139 at Center

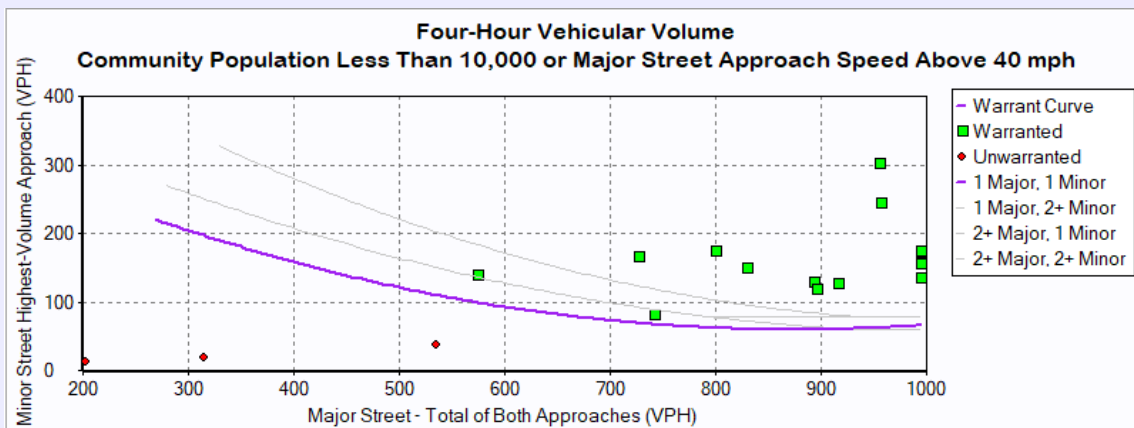
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Center Street
Direction	EB/WB	NB
Number of Lane:	1	1
Approach Speed	45	30

Warrant 2 Met? **Yes**

Details:

Notes	14 Hours met (4 required)
Low population	No



Hourly Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
00:00:00 - 01:00:00	50.00	4.00
01:00:00 - 02:00:00	28.00	1.00
02:00:00 - 03:00:00	18.00	4.00
03:00:00 - 04:00:00	24.00	4.00
04:00:00 - 05:00:00	62.00	50.00
05:00:00 - 06:00:00	186.00	80.00
06:00:00 - 07:00:00	576.00	140.00
07:00:00 - 08:00:00	958.00	302.00
08:00:00 - 09:00:00	959.00	244.00
09:00:00 - 10:00:00	802.00	174.00
10:00:00 - 11:00:00	729.00	166.00
11:00:00 - 12:00:00	832.00	149.00
12:00:00 - 13:00:00	918.00	126.00
13:00:00 - 14:00:00	895.00	128.00
14:00:00 - 15:00:00	1,035.00	136.00
15:00:00 - 16:00:00	1,245.00	174.00
16:00:00 - 17:00:00	1,315.00	157.00
17:00:00 - 18:00:00	1,319.00	156.00
18:00:00 - 19:00:00	898.00	118.00
19:00:00 - 20:00:00	744.00	82.00
20:00:00 - 21:00:00	536.00	38.00
21:00:00 - 22:00:00	316.00	20.00
22:00:00 - 23:00:00	204.00	13.00
23:00:00 - 00:00:00	107.00	6.00

Warranted Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
06:00:00 - 07:00:00	576.00	140.00
07:00:00 - 08:00:00	958.00	302.00
08:00:00 - 09:00:00	959.00	244.00
09:00:00 - 10:00:00	802.00	174.00
10:00:00 - 11:00:00	729.00	166.00
11:00:00 - 12:00:00	832.00	149.00
12:00:00 - 13:00:00	918.00	126.00
13:00:00 - 14:00:00	895.00	128.00
14:00:00 - 15:00:00	1,035.00	136.00
15:00:00 - 16:00:00	1,245.00	174.00
16:00:00 - 17:00:00	1,315.00	157.00
17:00:00 - 18:00:00	1,319.00	156.00
18:00:00 - 19:00:00	898.00	118.00
19:00:00 - 20:00:00	744.00	82.00

Warrant 3: Peak Hour

1: Route 139 at Center

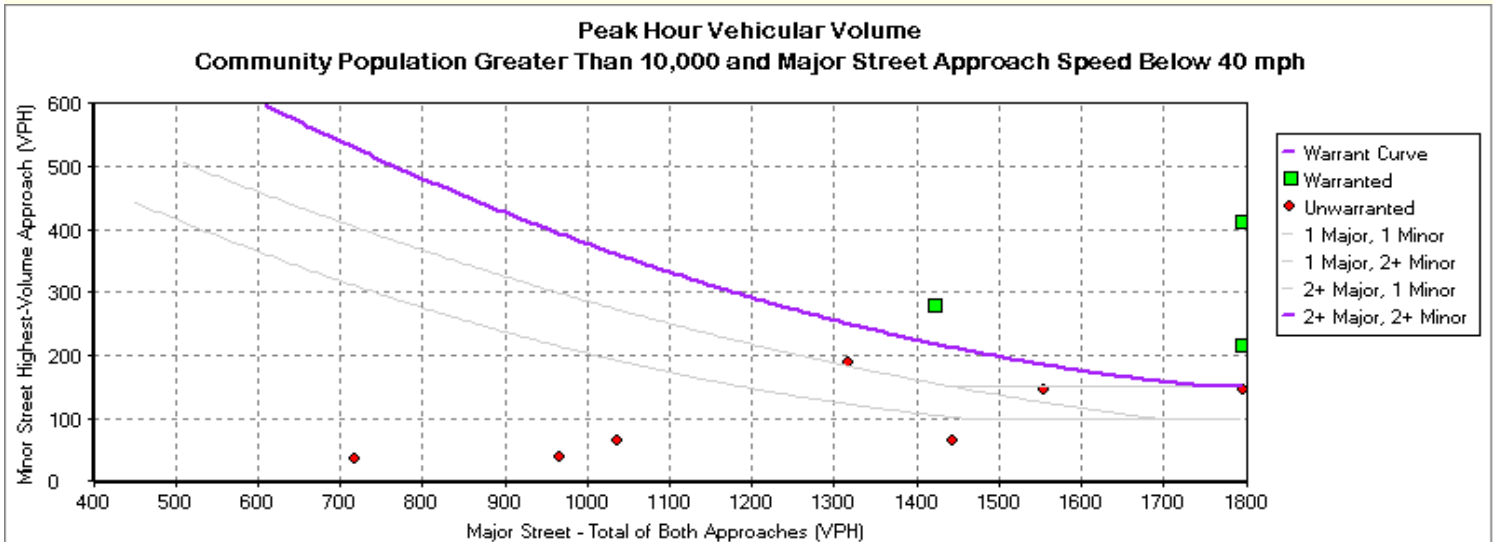
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Center Street
Direction	EB/WB	NB
Number of Lanes	1	1
Approach Speed	45	30

Warrant 3 Met? **Yes**

Details

Low Population?	No		
Condition A Met?	No	Condition B Met?	Yes
Notes	0 Hours met (1 required)	Notes	12 Hours met (1 required)
Minor Approach Time Delay Condition Met?	Not Met		
Minor Approach Volume Condition Met?	Met		
Total Entering Intersection Volume Condition Met?	Not Met		



Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
0:00	50	4
1:00	28	1
2:00	18	4
3:00	24	4
4:00	62	50
5:00	186	80
6:00	576	140
7:00	958	302
8:00	959	244
9:00	802	174
10:00	729	166
11:00	832	149
12:00	918	126
13:00	895	128
14:00	1,035	136
15:00	1,245	174
16:00	1,315	157
17:00	1,319	156
18:00	898	118
19:00	744	82
20:00	536	38
21:00	316	20
22:00	204	13
23:00	107	6

Warrant 4: Pedestrian Volume

1: Route 139 at Center

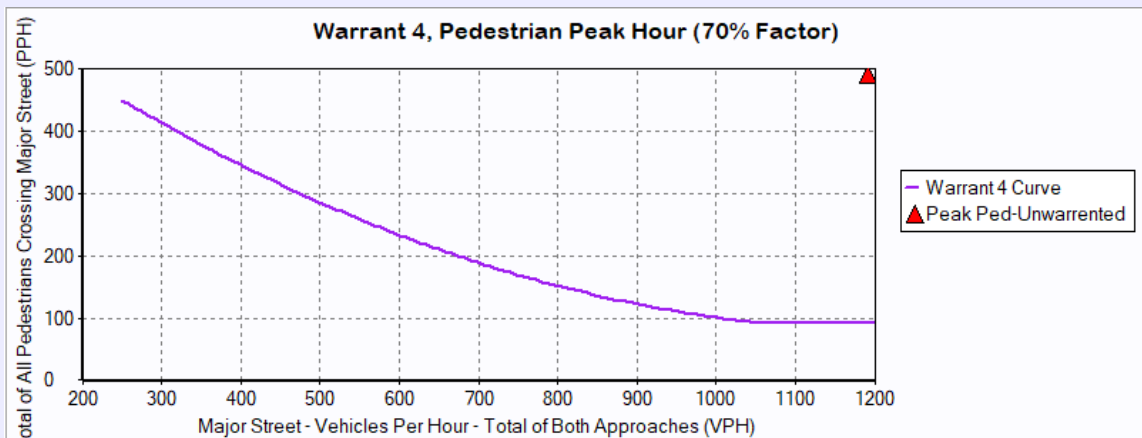
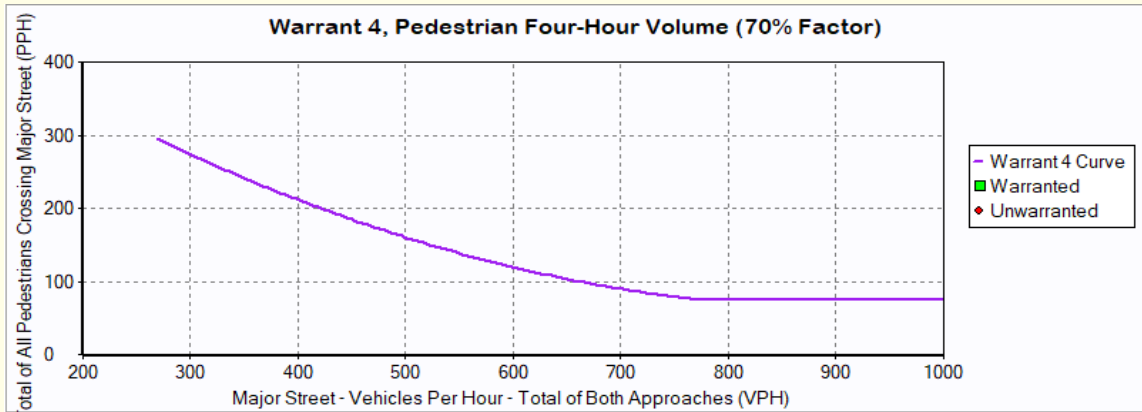
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Center Street
Direction	EB/WB	NB
Number of Lane:	1	1
Approach Speed	45	30

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 Major Street > 35mph, or Intersection lies within an Isolated Community with Population < 10,000?	Yes	



Warrant 5: School Crossing

1: Route 139 at Center

Intersection Information

Major Street Name Route 139

Major Street 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 139 at Center

Intersection Information

Major Street Name Route 139
Major Street Direction EB/WB

WARRANT 6 MET? **No**

Details:

Approach Direction & Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
NB Approach (Center Street)	Yes	No	N/A
WB Approach (Route 139)	Yes	No	N/A
EB Approach (Route 139)	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 139 at Center

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB

WARRANT 7 MET? **No**

Details:

Low Population?	No	Traffic Volume Condition Met?	Yes
Major Street Speed Limit	45		14 Hours Met (8 Required)
Major Street 85th-% tile Speed	43.00	Ped Volume Condition Met?	No
			0 Hours Met (8 Required)
Qualifying Crashes		0	
Adequate Alternative Trials?	No		

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	80% Standard Met? A or B		Northbound Ped Volumes			
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	50	0	No	No	0	No	0	No
01:00 to 02:00	28	0	No	No	0	No	0	No
02:00 to 03:00	18	0	No	No	0	No	0	No
03:00 to 04:00	24	0	No	No	0	No	0	No
04:00 to 05:00	62	0	No	No	0	No	0	No
05:00 to 06:00	186	0	No	No	0	No	0	No
06:00 to 07:00	576	0	No	No	0	No	0	No
07:00 to 08:00	958	0	No	No	0	No	0	No

08:00 to 09:00	959	0	No	No	0	No	0	No
09:00 to 10:00	802	0	No	No	0	No	0	No
10:00 to 11:00	729	0	No	No	0	No	0	No
11:00 to 12:00	832	0	No	No	0	No	0	No
12:00 to 13:00	918	0	No	No	0	No	0	No
13:00 to 14:00	895	0	No	No	0	No	0	No
14:00 to 15:00	1,035	0	No	No	0	No	0	No
15:00 to 16:00	1,245	0	No	No	0	No	0	No
16:00 to 17:00	1,315	0	No	No	0	No	0	No
17:00 to 18:00	1,319	0	No	No	0	No	0	No
18:00 to 19:00	898	0	No	No	0	No	0	No
19:00 to 20:00	744	0	No	No	0	No	0	No
20:00 to 21:00	536	0	No	No	0	No	0	No
21:00 to 22:00	316	0	No	No	0	No	0	No
22:00 to 23:00	204	0	No	No	0	No	0	No
23:00 to 00:00	107	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: Route 139 at Center

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction NB

WARRANT 8 MET? (A or B) Yes

Details:

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

<u>Condition A, Total Entering Volume</u>		<u>Condition B, Non-normal Business Day</u>		
		<u>Existing</u>		<u>Future</u>
Existing Peak Hour	1,475	Highest Hour	0	0
Years	0.00	Second Highest Hour	0	0
Future Peak Hour	1,475	Third Highest Hour	0	0
Warrant 1 in 5 Years?	Yes	Fourth Highest Hour	0	0
Warrant 2 in 5 Years?	Yes	Fifth Highest Hour	0	0
Warrant 3 in 5 Years?	Yes	Yearly Growth Rate (%)	0.00	
		Years	0.00	

Condition A Met? Yes Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing

1: Route 139 at Center

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Center Street
Direction	EB/WB	NB
Number of Lane:	1	1
Approach Speed	45	30

WARRANT 9 MET ? **No**

Details

Note **No approach with a railroad grade crossing**

Minor street approach having a grade crossing

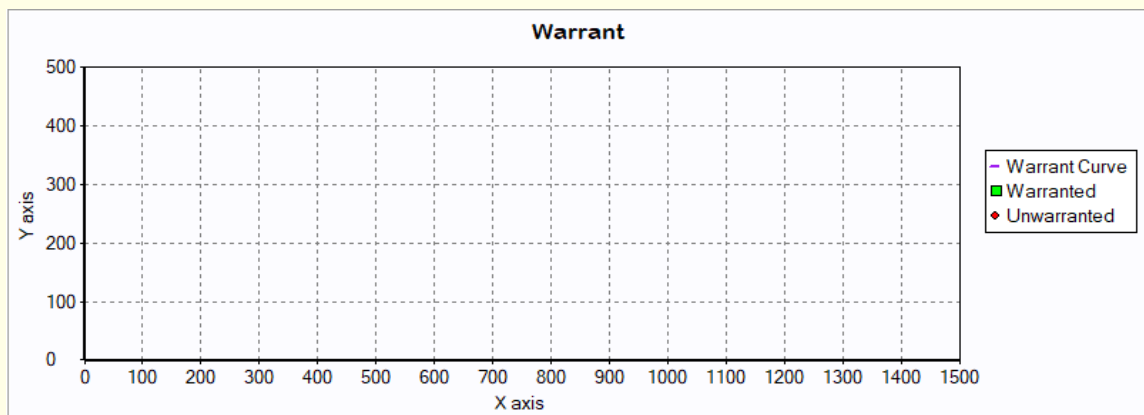
Distance from the center of the track to the stop or yield line Interpolated

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



Hour	Major Street Total of Both Approaches (vph)	Minor Street Adjusted Volume Crossing Tracks (vph)

All-Way Stop Control Warrant: Multiway Stop Applications

1: Route 139 at Center

Intersection Information

Major Street Name: Route 139
 Major Street Direction: EB/WB
 Minor Street Direction: NB

AWSC WARRANT MET? Yes

Details:

Condition A Met?	Yes	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	43.00
Condition C Met?	No	Major Street Speed Limit	45
Notes: 2 Hours Met (8 Required)			

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	North Bound Bicycle Volumes	East Bound Ped Volumes	North Bound Ped Volumes	Major Street Veh Vol > 210	Minor Street Avg(Veh + Ped + Bicycle) > 200	Minor Street Delay > 30
07:00 to 08:00	958	302	0	0	0	0	False	No	No
08:00 to 09:00	959	244	0	0	0	0	False	No	No

Warrants Summary Report

1: Route 139 at Main Street

Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Main Street
Direction	EB/WB	SB
Number of Lane:	1	1
Approach Speed	40	30

Warrant	Met?	Notes
Warrant 1, Eight-Hour Vehicular Volume		
	Yes	
Condition A or B Met?	Yes	13 Hours met (8 required)
Condition A and B Met?	Yes	14 Hours met (8 required)
Warrant 2, Four-Hour Vehicular Volume		
	Yes	13 Hours met (4 required)
Warrant 3, Peak Hour		
	Yes	
Condition A Met?	No	0 Hours met (1 required)
Condition B Met?	Yes	12 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)
Warrant 5, School Crossing		
	No	

Warrant 6, Coordinated Signal System

No

Warrant 7, Crash Experience

No

Traffic Volume Condi **Yes** 14 Hours met (8 required)

Ped Condition? **No** 0 Hours met (8 required)

Warrant 8, Roadway Network

Yes

Warrant 9, Intersection Near a Grade Crossing

No

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 139 at Main Street

Intersection Information

Major Street Name: Route 139

Major Street Direction: EB/WB

Minor Street Direction: SB

WARRANT 1 MET? Yes

Details:

Condition A Met? Yes 13 Hours met (8 required)

Condition B Met? Yes 14 Hours met (8 required)

Hour	Major Street Vehicles (Total of Both Approaches)	High Volume Minor Approach Vehicles	70% Standard Met? Cond. A OR Cond. B		56% Standard Met? Cond. A AND Cond. B	
			Condition A 70% Column	Condition B 70% Column	Condition A 56% Column	Condition B 56% Column
00:00 to 01:00	40	8	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
01:00 to 02:00	32	2	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
02:00 to 03:00	30	0	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		
03:00 to 04:00	31	1	No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No		
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No		
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No		
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No		

04:00 to 05:00		119		2		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	No	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

05:00 to 06:00		311		12		No	No	No	No
Condition A	Volume >= 70% column (350)?	No	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	No	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	No	Volume >= 56% column (42)?	No					

06:00 to 07:00		747		40		No	No	No	No
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	No					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	No					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	No					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	No					

07:00 to 08:00		1,431		140		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

08:00 to 09:00		1,291		158		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

09:00 to 10:00		1,018		114		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

10:00 to 11:00		922		113		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes	Volume >= 70% column (525)?	Yes					
	Volume >= 56% column (280)?	Yes	Volume >= 56% column (420)?	Yes					
Condition B	Volume >= 70% column (525)?	Yes	Volume >= 70% column (53)?	Yes					
	Volume >= 56% column (420)?	Yes	Volume >= 56% column (42)?	Yes					

11:00 to 12:00		980		114		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

12:00 to 13:00		992		132		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

13:00 to 14:00		950		142		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

14:00 to 15:00		1,057		264		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

15:00 to 16:00		1,218		299		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

16:00 to 17:00		1,290		287		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

17:00 to 18:00		1,250		310		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

18:00 to 19:00		949		200		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

19:00 to 20:00		628		117		Yes*	Yes*	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	Yes				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	Yes		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

20:00 to 21:00		470		86		No	No	Yes*	Yes*
Condition A	Volume >= 70% column (350)?	Yes		Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	Yes		Volume >= 56% column (420)?	Yes				
Condition B	Volume >= 70% column (525)?	No		Volume >= 70% column (53)?	Yes				
	Volume >= 56% column (420)?	Yes		Volume >= 56% column (42)?	Yes				

21:00 to 22:00		259		45		No	No	No	No
Condition A	Volume >= 70% column (350)?	No		Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No		Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No		Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No		Volume >= 56% column (42)?	Yes				

22:00 to 23:00		158		18		No	No	No	No
Condition A	Volume >= 70% column (350)?	No		Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No		Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No		Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No		Volume >= 56% column (42)?	No				

23:00 to 00:00		90		11		No	No	No	No
Condition A	Volume >= 70% column (350)?	No		Volume >= 70% column (525)?	No				
	Volume >= 56% column (280)?	No		Volume >= 56% column (420)?	No				
Condition B	Volume >= 70% column (525)?	No		Volume >= 70% column (53)?	No				
	Volume >= 56% column (420)?	No		Volume >= 56% column (42)?	No				

Warrant 2: Four-hour Vehicular Volume

1: Route 139 at Main Street

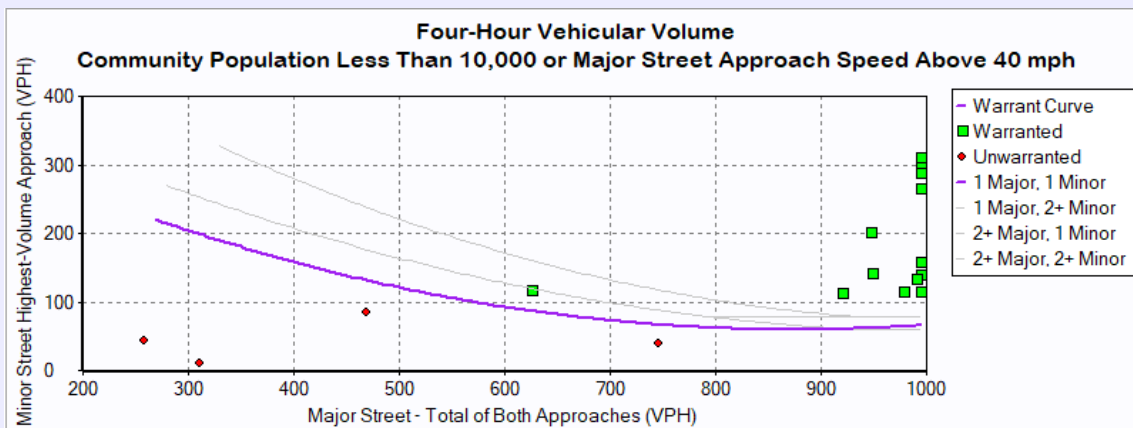
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Main Street
Direction	EB/WB	SB
Number of Lane:	1	1
Approach Speed	40	30

Warrant 2 Met? **Yes**

Details:

Notes	13 Hours met (4 required)
Low population	No



Hourly Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
00:00:00 - 01:00:00	40.00	8.00
01:00:00 - 02:00:00	32.00	2.00
02:00:00 - 03:00:00	30.00	0.00
03:00:00 - 04:00:00	31.00	1.00
04:00:00 - 05:00:00	119.00	2.00
05:00:00 - 06:00:00	311.00	12.00
06:00:00 - 07:00:00	747.00	40.00
07:00:00 - 08:00:00	1,431.00	140.00
08:00:00 - 09:00:00	1,291.00	158.00
09:00:00 - 10:00:00	1,018.00	114.00
10:00:00 - 11:00:00	922.00	113.00
11:00:00 - 12:00:00	980.00	114.00
12:00:00 - 13:00:00	992.00	132.00
13:00:00 - 14:00:00	950.00	142.00
14:00:00 - 15:00:00	1,057.00	264.00
15:00:00 - 16:00:00	1,218.00	299.00
16:00:00 - 17:00:00	1,290.00	287.00
17:00:00 - 18:00:00	1,250.00	310.00
18:00:00 - 19:00:00	949.00	200.00
19:00:00 - 20:00:00	628.00	117.00
20:00:00 - 21:00:00	470.00	86.00
21:00:00 - 22:00:00	259.00	45.00
22:00:00 - 23:00:00	158.00	18.00
23:00:00 - 00:00:00	90.00	11.00

Warranted Volumes

Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
07:00:00 - 08:00:00	1,431.00	140.00
08:00:00 - 09:00:00	1,291.00	158.00
09:00:00 - 10:00:00	1,018.00	114.00
10:00:00 - 11:00:00	922.00	113.00
11:00:00 - 12:00:00	980.00	114.00
12:00:00 - 13:00:00	992.00	132.00
13:00:00 - 14:00:00	950.00	142.00
14:00:00 - 15:00:00	1,057.00	264.00
15:00:00 - 16:00:00	1,218.00	299.00
16:00:00 - 17:00:00	1,290.00	287.00
17:00:00 - 18:00:00	1,250.00	310.00
18:00:00 - 19:00:00	949.00	200.00
19:00:00 - 20:00:00	628.00	117.00

Warrant 3: Peak Hour

1: Route 139 at Main Street

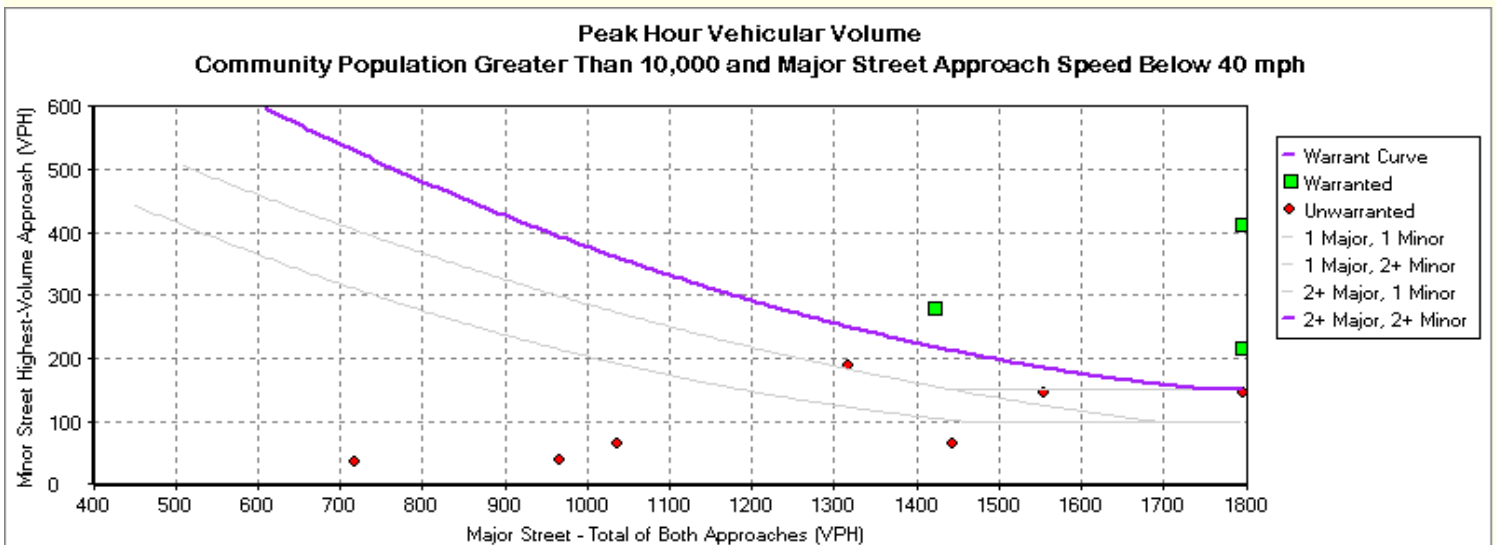
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Main Street
Direction	EB/WB	SB
Number of Lanes	1	1
Approach Speed	40	30

Warrant 3 Met? **Yes**

Details

Low Population?	No		
Condition A Met?	No	Condition B Met?	Yes
Notes	0 Hours met (1 required)	Notes	12 Hours met (1 required)
Minor Approach Time Delay Condition Met?	Not Met		
Minor Approach Volume Condition Met?	Met		
Total Entering Intersection Volume Condition Met?	Not Met		



Hour	Major Street Total All Approaches (vph)	Minor Street Highest Volume Approach (vph)
0:00	40	8
1:00	32	2
2:00	30	0
3:00	31	1
4:00	119	2
5:00	311	12
6:00	747	40
7:00	1,431	140
8:00	1,291	158
9:00	1,018	114
10:00	922	113
11:00	980	114
12:00	992	132
13:00	950	142
14:00	1,057	264
15:00	1,218	299
16:00	1,290	287
17:00	1,250	310
18:00	949	200
19:00	628	117
20:00	470	86
21:00	259	45
22:00	158	18
23:00	90	11

Warrant 4: Pedestrian Volume

1: Route 139 at Main Street

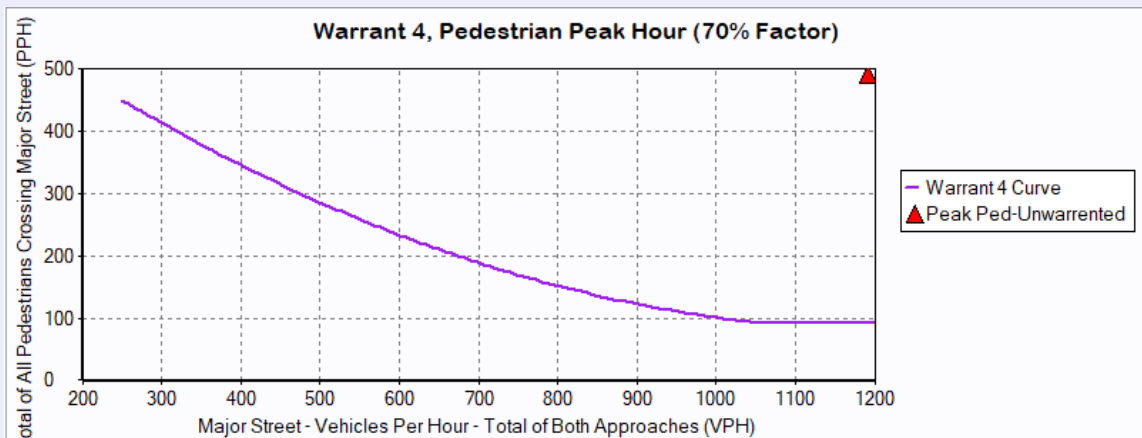
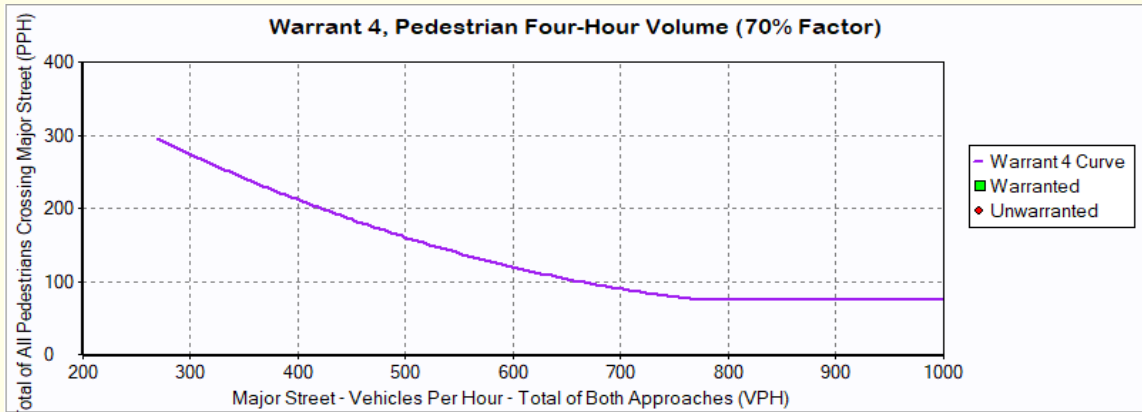
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Main Street
Direction	EB/WB	SB
Number of Lane:	1	1
Approach Speed	40	30

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 Major Street > 35mph, or Intersection lies within an Isolated Community with Population < 10,000?	Yes	



Warrant 5: School Crossing

1: Route 139 at Main Street

Intersection Information

Major Street Name Route 139

Major Street 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 139 at Main Street

Intersection Information

Major Street Name Route 139
Major Street Direction EB/WB

WARRANT 6 MET? **No**

Details:

Approach Direction & Name	Acceptable Platooning?	Adjacent Coordinating Signal?	Adjacent Intersection Distance
SB Approach (Main Street)	Yes	No	N/A
WB Approach (Route 139)	Yes	No	N/A
EB Approach (Route 139)	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 139 at Main Street

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction SB

WARRANT 7 MET? **No**

Details:

Low Population?	No	Traffic Volume Condition Met?	Yes
Major Street Speed Limit	40		14 Hours Met (8 Required)
Major Street 85th-% tile Speed	42.00	Ped Volume Condition Met?	No
			0 Hours Met (8 Required)
Qualifying Crashes		0	
Adequate Alternative Trials?	No		

Hour	Traffic Volumes				Pedestrian Volumes			
	Major Street Vehicles	Minor Street Vehicles	80% Standard Met? A or B		Southbound Ped Volumes			
			Condition A	Condition B	Peds	> 80?	Peds	> 80?
00:00 to 01:00	40	0	No	No	0	No	0	No
01:00 to 02:00	32	0	No	No	0	No	0	No
02:00 to 03:00	30	0	No	No	0	No	0	No
03:00 to 04:00	31	0	No	No	0	No	0	No
04:00 to 05:00	119	0	No	No	0	No	0	No
05:00 to 06:00	311	0	No	No	0	No	0	No
06:00 to 07:00	747	0	No	No	0	No	0	No
07:00 to 08:00	1,431	0	No	No	0	No	0	No

08:00 to 09:00	1,291	0	No	No	0	No	0	No
09:00 to 10:00	1,018	0	No	No	0	No	0	No
10:00 to 11:00	922	0	No	No	0	No	0	No
11:00 to 12:00	980	0	No	No	0	No	0	No
12:00 to 13:00	992	0	No	No	0	No	0	No
13:00 to 14:00	950	0	No	No	0	No	0	No
14:00 to 15:00	1,057	0	No	No	0	No	0	No
15:00 to 16:00	1,218	0	No	No	0	No	0	No
16:00 to 17:00	1,290	0	No	No	0	No	0	No
17:00 to 18:00	1,250	0	No	No	0	No	0	No
18:00 to 19:00	949	0	No	No	0	No	0	No
19:00 to 20:00	628	0	No	No	0	No	0	No
20:00 to 21:00	470	0	No	No	0	No	0	No
21:00 to 22:00	259	0	No	No	0	No	0	No
22:00 to 23:00	158	0	No	No	0	No	0	No
23:00 to 00:00	90	0	No	No	0	No	0	No

Warrant 8: Roadway Network

1: Route 139 at Main Street

Intersection Information

Major Street Name Route 139
 Major Street Direction EB/WB
 Minor Street Direction SB

WARRANT 8 MET? (A or B) Yes

Details:

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

<u>Condition A, Total Entering Volume</u>		<u>Condition B, Non-normal Business Day</u>	
Existing Peak Hour	1,577	Highest Hour	0
Years	0.00	Second Highest Hour	0
Future Peak Hour	1,577	Third Highest Hour	0
Warrant 1 in 5 Years?	Yes	Fourth Highest Hour	0
Warrant 2 in 5 Years?	Yes	Fifth Highest Hour	0
Warrant 3 in 5 Years?	Yes	Yearly Growth Rate (%)	0.00
		Years	0.00

Condition A Met? Yes Condition B Met? No

Warrant 9: Intersection Near a Grade Crossing

1: Route 139 at Main Street

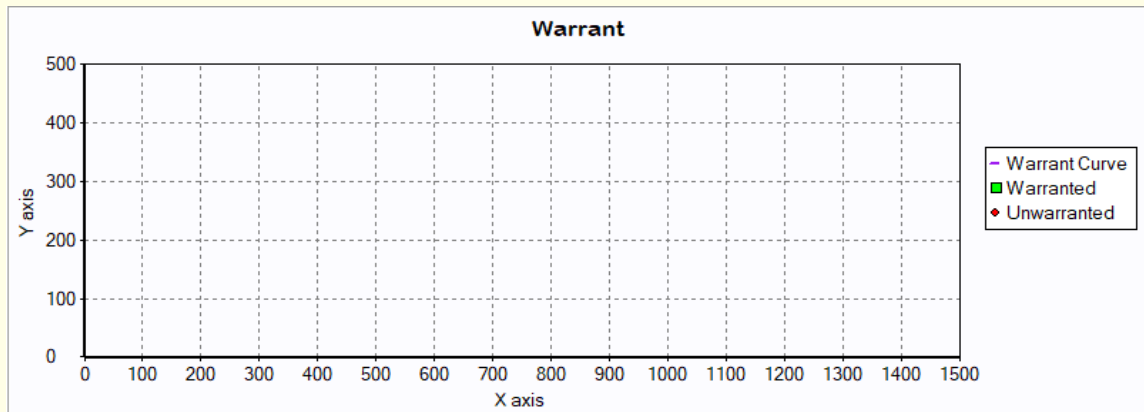
Intersection Information

	Major Street	Minor Street
Street Name	Route 139	Main Street
Direction	EB/WB	SB
Number of Lane:	1	1
Approach Speed	40	30

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		



Hour	Major Street Total of Both Approaches (vph)	Minor Street Adjusted Volume Crossing Tracks (vph)

All-Way Stop Control Warrant: Multiway Stop Applications

1: Route 139 at Main Street

Intersection Information

Major Street Name: Route 139
 Major Street Direction: EB/WB
 Minor Street Direction: SB

AWSC WARRANT MET? Yes

Details:

Condition A Met?	Yes	Qualifying Crashes	0
Condition B Met?	No	Major Street 85th %-tile Speed	42.00
Condition C Met?	No	Major Street Speed Limit	40
Notes: 5 Hours Met (8 Required)			

Hour	Traffic Volumes		Bicycle Volumes		Ped Volumes		Condition C		
	Major Street	Minor Street	East Bound Bicycle Volumes	South Bound Bicycle Volumes	East Bound Ped Volumes	South Bound Ped Volumes	Major Street Veh Vol > 210	Minor Street Avg(Veh + Ped + Bicycle) > 200	Minor Street Delay > 30
14:00 to 15:00	1,057	264	0	0	0	0	False	No	No
15:00 to 16:00	1,218	299	0	0	0	0	False	No	No
16:00 to 17:00	1,290	287	0	0	0	0	False	No	No
17:00 to 18:00	1,250	310	0	0	0	0	False	No	No
18:00 to 19:00	949	200	0	0	0	0	False	No	No

Appendix F

Massachusetts Speed Regulations for Route 139

October 26, 1971

Mr. Sullivan

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

SPECIAL SPEED REGULATION NUMBER 254-B

Highway Location:

MARSHFIELD, PEMBROKE, HANOVER
AND ROCKLAND

Authority in Control:

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

Name of Highway:

MARSHFIELD - STATE HIGHWAY -	ROUTE 139
PEMBROKE	" " ROUTE 139
HANOVER	" " ROUTE 139
ROCKLAND	" " ROUTE 139

In accordance with the provisions of Section 18 of Chapter 90 of the General Laws (Ter. Ed.) the following Special Speed Regulation is hereby promulgated:

Special Speed Regulation numbered 254, dated September 3, 1963 is hereby amended by striking out the Regulation in its entirety and inserting in place thereof the following revision and addenda.

The following designated speed limits are established at which motor vehicles may be operated in the areas described.

EASTBOUND

Beginning in Rockland at the junction of Route 123

Thence easterly	0.12 miles at 30 miles per hour
Thence	0.62 " " 35 " " " to the Hanover town line.

Thence easterly in Hanover

0.28 miles at 45 miles per hour
0.19 " " 35 " " "
1.30 " " 45 " " "
1.05 " " 40 " " "
0.80 " " 45 " " "
0.12 " " 30 " " " ending at the junction

of Route 53 in Hanover.

And beginning again in Pembroke 258 feet east of the junction of

Route 53

Thence easterly	1.23 miles at 45 miles per hour
0.46	" " 50 " " "
0.62	" " 40 " " " to the Marshfield town

line.

Re ✓

Thence easterly in Marshfield

	2.45 miles at 45 miles per hour	} <i>Rev</i>
	0.05 " " 30 " " "	

ending at the junction of Route 3A; the total distance being 9.29 miles.

WESTBOUND

Beginning in Marshfield 220 feet west of the junction of Route 3A,
Thence westerly 2.46 miles at 45 miles per hour to the Pembroke town line.

Thence westerly in Pembroke

	0.62 miles at 40 miles per hour	} <i>Rev</i>
	0.46 " " 50 " " "	
	1.17 " " 45 " " "	
	0.07 " " 30 " " "	

ending at the junction of Route 53.

And beginning again in Hanover 225 feet west of the junction of Route 53,

Thence westerly

	0.80 miles at 45 miles per hour	
	1.05 " " 40 " " "	
	1.30 " " 45 " " "	
	0.19 " " 35 " " "	
	0.28 " " 45 " " "	to the Rockland town line.

Thence westerly in Rockland

	0.03 miles at 45 miles per hour	
	0.59 " " 35 " " "	
	0.12 " " 30 " " "	ending at junction of

Route 123, the total distance being 9.14 miles.

Operation of a motor vehicle at a rate of speed in excess of these limits shall be prima facie evidence that such speed is greater than is reasonable and proper.

The provisions of this regulation shall not, however, abrogate in any sense Section 14 of Chapter 90.

The Department of Public Works and the Registrar of Motor Vehicles, acting jointly do hereby certify in writing that this regulation is consistent with the public interest.

Standard signs must be erected at the beginning of each zone.

FOR THE DEPARTMENT

DATE: October 26, 1971

BY: Bruce Campbell vjc
BRUCE CAMPBELL
COMMISSIONER

David J. Lucey
Registrar of Motor Vehicles

for Highway Engineering