

# Old Colony Planning Council



Robert G. Moran, Jr.  
President

70 School Street  
Brockton, MA 02301-4097

Pasquale Ciaramella  
Executive Director

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October 25, 2011

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

RE: Congress Street at Taylor Street Traffic and Safety Analysis

Dear Mr. Thorne,

Per the Town's request, through the Old Colony Planning Council's Local Highway Transportation Planning Technical Assistance Program, OCPC has completed an analysis of existing traffic conditions and safety at the intersection of Congress Street (Route 14) at Taylor Street. The analysis includes level of service for the morning and afternoon peak commute hours, all-way (four-way) stop sign control and traffic signal warrant analyses, and crash analysis.

## Traffic Volumes, Speeds, and Heavy Vehicle Traffic

Table 1 provides a summary of traffic conditions on the four approaches of the intersection. The recorded 85<sup>th</sup> percentile speed is higher than the respective posted speed limits on each leg of the intersection. Travel speeds are particularly noteworthy on Congress Street, on which, the 85<sup>th</sup> percentile speed is 10 miles per hour above the posted speed limit.

Based on the level of service analysis, the existing configuration with STOP sign control on Taylor Street efficiently processes traffic during the morning and afternoon peak hours, with a level of service rating of "B" on the Taylor Street approaches. However, severely obstructed sight lines from both Taylor Street approaches present greater difficulty for drivers entering into the intersection, and may add to delay time. Table 2 contains the results of the level of service analysis.

**Table 1: Summary of Traffic Conditions on Congress Street and Taylor Street**

| Location                                       | ADT          | 85th          |                  |                    |                  |
|--|--------------|---------------|------------------|--------------------|------------------|
|  |              | Speed Limit   | Percentile Speed | 10 MPH Pace Speed  | % Heavy Vehicles |
| <b>Congress Street, East of Route 53</b>       |              |               |                  |                    |                  |
| Eastbound                                      | 1,214        | 30 MPH        | 39 MPH           | 31 - 40 MPH        | 5.70%            |
| Westbound                                      | 1,386        | 30 MPH        | 40 MPH           | 31 - 40 MPH        | 5.30%            |
| <b>Total</b>                                   | <b>2,600</b> | <b>30 MPH</b> | <b>40 MPH</b>    | <b>31 - 40 MPH</b> | <b>5.50%</b>     |
| <b>Congress Street, at Duxbury Town Line</b>   |              |               |                  |                    |                  |
| Eastbound                                      | 1,027        | 30 MPH        | 39 MPH           | 31 - 40 MPH        | 5.30%            |
| Westbound                                      | 1,098        | 30 MPH        | 41 MPH           | 31 - 40 MPH        | 5.30%            |
| <b>Total</b>                                   | <b>2,125</b> | <b>30 MPH</b> | <b>40 MPH</b>    | <b>31 - 40 MPH</b> | <b>5.30%</b>     |
| <b>Taylor Street, North of Congress Street</b> |              |               |                  |                    |                  |
| Northbound                                     | 609          | 35 MPH        | 42 MPH           | 31 - 40 MPH        | 6.80%            |
| Southbound                                     | 783          | 35 MPH        | 42 MPH           | 31 - 40 MPH        | 6.90%            |
| <b>Total</b>                                   | <b>1,392</b> | <b>35 MPH</b> | <b>42 MPH</b>    | <b>31 - 40 MPH</b> | <b>6.90%</b>     |
| <b>Taylor Street, North of Route 53</b>        |              |               |                  |                    |                  |
| Northbound                                     | 398          | 35 MPH        | 40 MPH           | 31 - 40 MPH        | 5.90%            |
| Southbound                                     | 469          | 35 MPH        | 40 MPH           | 31 - 40 MPH        | 5.00%            |
| <b>Total</b>                                   | <b>867</b>   | <b>35 MPH</b> | <b>40 MPH</b>    | <b>31 - 40 MPH</b> | <b>5.40%</b>     |

**Table 2: Delay and Level of Service by Approach**

| Intersection Approach             | AM Peak Hour |     | PM Peak Hour |     |
|-----------------------------------|--------------|-----|--------------|-----|
|                                   | Delay        | LOS | Delay        | LOS |
| <b>Congress Street, Eastbound</b> | 1.6          | A   | 1.4          | A   |
| <b>Congress Street, Westbound</b> | 0.1          | A   | 0.5          | A   |
| <b>Taylor Street, Northbound</b>  | 10.1         | B   | 11.1         | B   |
| <b>Taylor Street, Southbound</b>  | 9.9          | A   | 11.5         | B   |

Crash Analysis

Crash data for 2007 through 2011, based on records from the Massachusetts Department of Transportation (2007-2009) and the Pembroke Police Department (2010-2011), was analyzed for this Study. According to these records, there were 10 crashes at the intersection from January 2007 through July 2011. The resulting calculated crash rate for the intersection is 1.29 crashes per million entering vehicles, which is 115 percent higher than the MassDOT District 5 average of 0.60/MEV for un-signalized intersection. Table 3 summarizes the crash history of the intersection

The crash data indicates multiple incidences of drivers failing to stop at the STOP signs on Taylor Street, particularly on the southbound approach. Visibility of the intersection and its STOP signs appears to be a factor in the crash history of this intersection. This observation is supported by crash records, photographs of the intersection provided by the Pembroke Police Department, and site visits conducted by Old Colony Planning Council.

**Table 3: Summary of Crash Data, 2007-2011**

| Summary of Crashes Occurring at Intersection of Congress Street at Taylor Street, 2007-2011                               |              |            |                            |  |             |
|---|--------------|------------|----------------------------|--|-------------|
| <b>Total # Crashes:</b>   | <b>10</b>    |            |                            | <b>Average Per Year:</b>                             | <b>2.00</b> |
| Type of Collision   | 5-Year Total | % of Total | Time Of Crash              | 5-Year Total   | % of Total  |
| Angled  | 5            | 50.00%     | 12:00-6:00 AM              | 0  | 0.00%       |
| Head-On   | 2            | 20.00%     | 6:00 AM-12:00 PM           | 5  | 50.00%      |
| Sideswipe, Same Direction   | 1            | 10.00%     | 12:00-6:00 PM              | 3  | 30.00%      |
| Sideswipe, Opposite Direction   | 1            | 10.00%     | 6:00 PM-12:00 AM           | 2  | 20.00%      |
| Single Vehicle Crash  | 1            | 10.00%     |                            |  |             |
|   |              |            | Morning Peak (7:00-9:00)   | 1  | 10.00%      |
|   |              |            | Afternoon Peak (4:00-6:00) | 1  | 10.00%      |
| <b>Crashes With Injury:</b>   | 4            | 40.00%     |                            | <b>Crash Rate:</b>                                   | 1.29/MEV    |
| <b>Crashes With Fatality:</b>   | 0            | 0.00%      |                            | <b>% Difference from MassDOT District 5 Average:</b> | 115.00%     |
| <i>2011 MassDOT District 5 Average Crash Rate for Signalized Intersections = 0.60 per Million Entering Vehicles (MEV)</i> |              |            |                            |  |             |

**Table 4: Approaching Sight Distances from Congress Street Approaches**

| Approach                   | Taylor Street, Southbound | Taylor Street, Northbound |
|----------------------------|---------------------------|---------------------------|
| Congress Street, Eastbound | 210'                      | 185'                      |
| Congress Street, Westbound | 155'                      | 195'                      |

**Table 5: Existing Sight Distances from Taylor Street Approaches**

| Approach                  | Congress Street, Eastbound | Congress Street, Westbound |
|---------------------------|----------------------------|----------------------------|
| Taylor Street, Northbound | 130'                       | 165'                       |
| Taylor Street, Southbound | 110'                       | 125'                       |

Sight distances to and from the intersection are severely obstructed by a combination of vegetation, fixed roadside objects (utility poles, signs, rock walls), and roadway curvature. Tables 4 and 5 contain the sight distances measured at the intersection. According to the American Association of State Highway and Transportation Officials (AASHTO), a sight distance of 200 feet is necessary for a vehicle to come to a stop from 30 miles per hour (the posted speed limit on Congress Street), and 305 feet at 40 miles per hour (the 85<sup>th</sup> percentile speed on Congress Street).

All-Way Stop Control and Traffic Signal Warrant Analyses

The 2009 Manual on Uniform Traffic Control Devices provides warrants that determine if an all-way stop sign control or traffic signal control may be appropriate at an intersection. None of the warrants for All-Way Stop Control or Traffic Signals were satisfied, based on existing traffic conditions.

## Recommendations

Several options are available to the Town for improving safety at the intersection. These alternatives include:

- Clearing of roadside vegetation, including trees, to improve sight distances
- Use of retroreflective striping on STOP sign posts
- Upgrade existing STOP AHEAD and STOP signs to larger size with bright, retroreflective materials
- Installation of a FLASHING WARNING BEACON with RED bulbs facing the stop controlled approaches of Taylor Street and AMBER bulbs facing Congress Street
- Install a second STOP sign on the left side of the road on the Taylor Street southbound approach (as the northbound approach currently has)
- Use of solar powered flashing LED lights on STOP AHEAD and STOP signs to increase visibility
- Maintain painted STOP LINES and STOP lettering on pavement with bright, reflective street paint. Wider STOP LINES and markings would also assist with improving intersection demarcation.

The Town may consider the construction of a roundabout as a long term permanent safety improvement to this intersection. However, converting the intersection to a roundabout may likely require land takings on the corners of the intersection.

Finally, regular and strict speed enforcement, including the use of speed trailers, on the approaches of the intersection should be continued along with any other improvements the Town may make at the intersection.

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

Sincerely,



Charles Kilmer  
Transportation Program Manager

Cc:

Mr. Daniel Trabucco, Chairman, Pembroke Board of Selectmen  
Chief Michael T. Ohrenberger, Pembroke Police Department  
Mr. Eugene B. Fulmine, Jr., Director, Pembroke Department of Public Works  
Mr. Andrew Wandell, Chairman, Pembroke Planning Board  
Mr. Gerard Dempsey, Pembroke Delegate, Old Colony Planning Council  
Ms. Pamela Haznar, P.E., MassDOT District 5  
Mr. Paul Maloney, P.E., FHWA  
Ms. Karen Pearson, MassDOT

Enclosures:

ATR Data for Congress Street, East and West of Taylor Street

ATR Data for Taylor Street, North of South of Congress Street

AM and PM Turning Movement Counts

AM and PM Peak Hour Levels of Service

MassDOT Crash Rate Calculation Worksheet

Results of All-Way Stop Control Warrant Analysis

Results of Traffic Signal Warrant Analysis

Massachusetts Traffic Safety Toolbox: Low-Cost Intersection Safety Improvements

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

| Start Time  | 30-Nov-09 |    | Tue |    | Wed   |       | Thu   |       | Fri |    | Sat |    | Sun |    | Week Average |       |
|-------------|-----------|----|-----|----|-------|-------|-------|-------|-----|----|-----|----|-----|----|--------------|-------|
|             | WB        | EB | WB  | EB | WB    | EB    | WB    | EB    | WB  | EB | WB  | EB | WB  | EB | WB           | EB    |
| 12:00 AM    | *         | *  | *   | *  | 3     | 5     | 1     | 5     | *   | *  | *   | *  | *   | *  | 2            | 5     |
| 01:00       | *         | *  | *   | *  | 3     | 0     | 1     | 3     | *   | *  | *   | *  | *   | *  | 2            | 2     |
| 02:00       | *         | *  | *   | *  | 0     | 1     | 1     | 1     | *   | *  | *   | *  | *   | *  | 0            | 1     |
| 03:00       | *         | *  | *   | *  | 2     | 1     | 3     | 1     | *   | *  | *   | *  | *   | *  | 2            | 1     |
| 04:00       | *         | *  | *   | *  | 2     | 2     | 1     | 1     | *   | *  | *   | *  | *   | *  | 2            | 2     |
| 05:00       | *         | *  | *   | *  | 17    | 17    | 13    | 10    | *   | *  | *   | *  | *   | *  | 15           | 14    |
| 06:00       | *         | *  | *   | *  | 62    | 30    | 63    | 32    | *   | *  | *   | *  | *   | *  | 62           | 31    |
| 07:00       | *         | *  | *   | *  | 123   | 91    | 132   | 88    | *   | *  | *   | *  | *   | *  | 128          | 90    |
| 08:00       | *         | *  | *   | *  | 118   | 85    | 117   | 72    | *   | *  | *   | *  | *   | *  | 118          | 78    |
| 09:00       | *         | *  | *   | *  | 92    | 78    | 83    | 58    | *   | *  | *   | *  | *   | *  | 88           | 68    |
| 10:00       | *         | *  | *   | *  | 86    | 64    | 91    | 74    | *   | *  | *   | *  | *   | *  | 88           | 69    |
| 11:00       | *         | *  | *   | *  | 83    | 84    | 84    | 81    | *   | *  | *   | *  | *   | *  | 84           | 82    |
| 12:00 PM    | *         | *  | *   | *  | 76    | 75    | 71    | 77    | *   | *  | *   | *  | *   | *  | 74           | 76    |
| 01:00       | *         | *  | *   | *  | 102   | 80    | 95    | 87    | *   | *  | *   | *  | *   | *  | 98           | 84    |
| 02:00       | *         | *  | *   | *  | 107   | 80    | 100   | 93    | *   | *  | *   | *  | *   | *  | 104          | 86    |
| 03:00       | *         | *  | *   | *  | 112   | 113   | 110   | 104   | *   | *  | *   | *  | *   | *  | 111          | 108   |
| 04:00       | *         | *  | *   | *  | 119   | 96    | 139   | 92    | *   | *  | *   | *  | *   | *  | 129          | 94    |
| 05:00       | *         | *  | *   | *  | 93    | 98    | 96    | 110   | *   | *  | *   | *  | *   | *  | 94           | 104   |
| 06:00       | *         | *  | *   | *  | 62    | 68    | 75    | 71    | *   | *  | *   | *  | *   | *  | 68           | 70    |
| 07:00       | *         | *  | *   | *  | 46    | 60    | 31    | 59    | *   | *  | *   | *  | *   | *  | 38           | 60    |
| 08:00       | *         | *  | *   | *  | 29    | 43    | 28    | 41    | *   | *  | *   | *  | *   | *  | 28           | 42    |
| 09:00       | *         | *  | *   | *  | 21    | 24    | 30    | 26    | *   | *  | *   | *  | *   | *  | 26           | 25    |
| 10:00       | *         | *  | *   | *  | 16    | 11    | 10    | 14    | *   | *  | *   | *  | *   | *  | 13           | 12    |
| 11:00       | *         | *  | *   | *  | 11    | 6     | 13    | 15    | *   | *  | *   | *  | *   | *  | 12           | 10    |
| Total       | 0         | 0  | 0   | 0  | 1385  | 1212  | 1388  | 1215  | 0   | 0  | 0   | 0  | 0   | 0  | 1386         | 1214  |
| Day         | 0         | 0  | 0   | 0  | 2597  |       | 2603  |       | 0   | 0  | 0   | 0  | 0   | 0  | 2600         |       |
| AM Peak     |           |    |     |    | 07:00 | 07:00 | 07:00 | 07:00 |     |    |     |    |     |    | 07:00        | 07:00 |
| Vol.        |           |    |     |    | 123   | 91    | 132   | 88    |     |    |     |    |     |    | 128          | 90    |
| PM Peak     |           |    |     |    | 16:00 | 15:00 | 16:00 | 17:00 |     |    |     |    |     |    | 16:00        | 15:00 |
| Vol.        |           |    |     |    | 119   | 113   | 139   | 110   |     |    |     |    |     |    | 129          | 108   |
| Comb. Total | 0         | 0  | 0   | 0  | 2597  |       | 2603  |       | 0   | 0  | 0   | 0  | 0   | 0  | 2600         |       |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

| Start Time | 30-Nov-09<br>Mon | 01-Dec-09<br>Tue | 02-Dec-09<br>Wed | 03-Dec-09<br>Thu | 04-Dec-09<br>Fri | 05-Dec-09<br>Sat | 06-Dec-09<br>Sun | Week<br>Average |
|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 12:00 AM   | *                | *                | 8                | 6                | *                | *                | *                | 7               |
| 01:00      | *                | *                | 3                | 4                | *                | *                | *                | 4               |
| 02:00      | *                | *                | 1                | 2                | *                | *                | *                | 2               |
| 03:00      | *                | *                | 3                | 4                | *                | *                | *                | 4               |
| 04:00      | *                | *                | 4                | 2                | *                | *                | *                | 3               |
| 05:00      | *                | *                | 34               | 23               | *                | *                | *                | 28              |
| 06:00      | *                | *                | 92               | 95               | *                | *                | *                | 94              |
| 07:00      | *                | *                | <b>214</b>       | <b>220</b>       | *                | *                | *                | <b>217</b>      |
| 08:00      | *                | *                | 203              | 189              | *                | *                | *                | 196             |
| 09:00      | *                | *                | 170              | 141              | *                | *                | *                | 156             |
| 10:00      | *                | *                | 150              | 165              | *                | *                | *                | 158             |
| 11:00      | *                | *                | 167              | 165              | *                | *                | *                | 166             |
| 12:00 PM   | *                | *                | 151              | 148              | *                | *                | *                | 150             |
| 01:00      | *                | *                | 182              | 182              | *                | *                | *                | 182             |
| 02:00      | *                | *                | 187              | 193              | *                | *                | *                | 190             |
| 03:00      | *                | *                | <b>225</b>       | 214              | *                | *                | *                | 220             |
| 04:00      | *                | *                | 215              | <b>231</b>       | *                | *                | *                | <b>223</b>      |
| 05:00      | *                | *                | 191              | 206              | *                | *                | *                | 198             |
| 06:00      | *                | *                | 130              | 146              | *                | *                | *                | 138             |
| 07:00      | *                | *                | 106              | 90               | *                | *                | *                | 98              |
| 08:00      | *                | *                | 72               | 69               | *                | *                | *                | 70              |
| 09:00      | *                | *                | 45               | 56               | *                | *                | *                | 50              |
| 10:00      | *                | *                | 27               | 24               | *                | *                | *                | 26              |
| 11:00      | *                | *                | 17               | 28               | *                | *                | *                | 22              |
| Total      | 0                | 0                | 2597             | 2603             | 0                | 0                | 0                | 2602            |
| Percentage | 0.0%             | 0.0%             | 99.8%            | 100.0%           | 0.0%             | 0.0%             | 0.0%             |                 |
| AM Peak    |                  |                  | 07:00            | 07:00            |                  |                  |                  | 07:00           |
| Vol.       |                  |                  | 214              | 220              |                  |                  |                  | 217             |
| PM Peak    |                  |                  | 15:00            | 16:00            |                  |                  |                  | 16:00           |
| Vol.       |                  |                  | 225              | 231              |                  |                  |                  | 223             |

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 Brockton, MA 02301  
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Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/02/09   | 0       | 0        | 0        | 0        | 1        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| 01:00      | 0       | 0        | 0        | 0        | 1        | 1        | 1        | 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        | 1        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 04:00      | 0       | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 05:00      | 0       | 0        | 0        | 2        | 4        | 4        | 7        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 17    |
| 06:00      | 0       | 0        | 0        | 4        | 23       | 23       | 11       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 62    |
| 07:00      | 0       | 0        | 0        | 16       | 42       | 44       | 21       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 123   |
| 08:00      | 0       | 1        | 2        | 12       | 37       | 52       | 12       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 118   |
| 09:00      | 0       | 0        | 1        | 12       | 31       | 35       | 10       | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 92    |
| 10:00      | 1       | 0        | 2        | 6        | 23       | 40       | 12       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 86    |
| 11:00      | 1       | 0        | 0        | 7        | 28       | 35       | 12       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 83    |
| 12 PM      | 0       | 0        | 0        | 3        | 27       | 32       | 14       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 76    |
| 13:00      | 2       | 1        | 1        | 6        | 37       | 41       | 12       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 102   |
| 14:00      | 0       | 0        | 2        | 8        | 36       | 48       | 10       | 2        | 0        | 1        | 0        | 0        | 0        | 0         | 107   |
| 15:00      | 1       | 0        | 2        | 2        | 38       | 56       | 12       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 112   |
| 16:00      | 1       | 0        | 2        | 11       | 46       | 46       | 10       | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 119   |
| 17:00      | 0       | 1        | 3        | 7        | 42       | 31       | 9        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 93    |
| 18:00      | 0       | 0        | 0        | 5        | 26       | 22       | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 62    |
| 19:00      | 0       | 0        | 1        | 3        | 18       | 16       | 8        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 46    |
| 20:00      | 0       | 0        | 0        | 2        | 13       | 8        | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 29    |
| 21:00      | 0       | 0        | 0        | 3        | 11       | 5        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 21    |
| 22:00      | 0       | 0        | 0        | 2        | 3        | 7        | 2        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 16    |
| 23:00      | 0       | 0        | 0        | 1        | 1        | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 11    |
| Total      | 6       | 3        | 16       | 113      | 489      | 555      | 181      | 21       | 0        | 1        | 0        | 0        | 0        | 0         | 1385  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1044  
 Percent in Pace : 75.4%  
 Number of Vehicles > 30 MPH : 1247  
 Percent of Vehicles > 30 MPH : 90.0%



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 Congress St(14),east Washington St(53)

WB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/03/09   | 0       | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 01:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 02:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 03:00      | 1       | 0        | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| 04:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 05:00      | 0       | 0        | 0        | 1        | 6        | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 13    |
| 06:00      | 0       | 0        | 0        | 12       | 28       | 20       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 63    |
| 07:00      | 1       | 0        | 2        | 13       | 62       | 42       | 12       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 132   |
| 08:00      | 0       | 0        | 2        | 4        | 45       | 56       | 9        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 117   |
| 09:00      | 2       | 0        | 1        | 20       | 40       | 15       | 4        | 0        | 0        | 1        | 0        | 0        | 0        | 0         | 83    |
| 10:00      | 1       | 1        | 4        | 12       | 45       | 21       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 91    |
| 11:00      | 2       | 0        | 2        | 18       | 37       | 22       | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 84    |
| 12 PM      | 1       | 1        | 2        | 1        | 20       | 38       | 7        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 71    |
| 13:00      | 0       | 2        | 1        | 12       | 32       | 37       | 9        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 95    |
| 14:00      | 1       | 0        | 0        | 5        | 35       | 43       | 15       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 100   |
| 15:00      | 0       | 0        | 1        | 7        | 48       | 39       | 14       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 110   |
| 16:00      | 0       | 0        | 2        | 20       | 69       | 40       | 8        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 139   |
| 17:00      | 0       | 0        | 1        | 11       | 51       | 30       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 96    |
| 18:00      | 1       | 0        | 2        | 2        | 21       | 37       | 12       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 75    |
| 19:00      | 0       | 0        | 0        | 2        | 12       | 12       | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 31    |
| 20:00      | 1       | 0        | 0        | 5        | 9        | 10       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 28    |
| 21:00      | 1       | 0        | 0        | 1        | 10       | 13       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 30    |
| 22:00      | 0       | 0        | 0        | 0        | 4        | 4        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 10    |
| 23:00      | 0       | 0        | 0        | 0        | 5        | 4        | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 13    |
| Total      | 12      | 4        | 20       | 147      | 582      | 490      | 122      | 10       | 0        | 1        | 0        | 0        | 0        | 0         | 1388  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1072  
 Percent in Pace : 77.2%  
 Number of Vehicles > 30 MPH : 1205  
 Percent of Vehicles > 30 MPH : 86.8%

|             |    |   |    |     |      |      |     |    |   |   |   |   |   |   |      |
|-------------|----|---|----|-----|------|------|-----|----|---|---|---|---|---|---|------|
| Grand Total | 18 | 7 | 36 | 260 | 1071 | 1045 | 303 | 31 | 0 | 2 | 0 | 0 | 0 | 0 | 2773 |
|-------------|----|---|----|-----|------|------|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 2116  
 Percent in Pace : 76.3%  
 Number of Vehicles > 30 MPH : 2452  
 Percent of Vehicles > 30 MPH : 88.4%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

EB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 1  | 0   | 0   | 4   | 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      | 0  | 0  | 0  | 1   | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 03:00      | 0  | 0  | 0  | 0   | 0   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 04:00      | 0  | 0  | 0  | 0   | 0   | 1   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 0  | 0  | 0  | 4   | 2   | 6   | 3   | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 17    |
| 06:00      | 0  | 0  | 0  | 2   | 9   | 12  | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 30    |
| 07:00      | 0  | 2  | 2  | 14  | 32  | 31  | 9   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 91    |
| 08:00      | 0  | 0  | 7  | 13  | 34  | 27  | 3   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 85    |
| 09:00      | 0  | 0  | 1  | 14  | 29  | 23  | 11  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 78    |
| 10:00      | 1  | 0  | 1  | 10  | 25  | 20  | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 64    |
| 11:00      | 0  | 0  | 0  | 9   | 36  | 24  | 14  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 84    |
| 12 PM      | 0  | 0  | 1  | 7   | 35  | 28  | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 75    |
| 13:00      | 0  | 3  | 1  | 13  | 32  | 25  | 5   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 80    |
| 14:00      | 0  | 0  | 0  | 7   | 32  | 36  | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 80    |
| 15:00      | 0  | 1  | 0  | 18  | 50  | 38  | 6   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 113   |
| 16:00      | 0  | 0  | 0  | 9   | 51  | 33  | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 96    |
| 17:00      | 1  | 0  | 2  | 7   | 58  | 21  | 8   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 98    |
| 18:00      | 0  | 0  | 2  | 2   | 29  | 27  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 68    |
| 19:00      | 0  | 0  | 1  | 4   | 31  | 21  | 2   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 60    |
| 20:00      | 0  | 0  | 0  | 1   | 17  | 19  | 5   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 43    |
| 21:00      | 0  | 0  | 1  | 1   | 11  | 8   | 2   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 24    |
| 22:00      | 0  | 0  | 0  | 1   | 6   | 3   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 11    |
| 23:00      | 0  | 0  | 0  | 0   | 4   | 2   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 6     |
| Total      | 2  | 6  | 20 | 137 | 523 | 410 | 104 | 9  | 1  | 0  | 0  | 0  | 0  | 0   | 1212  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 933  
 Percent in Pace : 77.0%  
 Number of Vehicles > 30 MPH : 1047  
 Percent of Vehicles > 30 MPH : 86.4%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

EB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/03/09   | 0       | 0        | 0        | 1        | 2        | 1        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 01:00      | 0       | 0        | 0        | 0        | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| 02:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 03:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 04:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 05:00      | 0       | 0        | 0        | 2        | 3        | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 10    |
| 06:00      | 0       | 0        | 0        | 6        | 17       | 8        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 32    |
| 07:00      | 2       | 0        | 0        | 17       | 34       | 28       | 7        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 88    |
| 08:00      | 0       | 0        | 2        | 12       | 29       | 24       | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 72    |
| 09:00      | 0       | 1        | 4        | 19       | 25       | 6        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 58    |
| 10:00      | 1       | 0        | 4        | 11       | 30       | 24       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 74    |
| 11:00      | 0       | 0        | 3        | 23       | 27       | 23       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 81    |
| 12 PM      | 1       | 0        | 6        | 8        | 33       | 25       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 77    |
| 13:00      | 0       | 0        | 3        | 8        | 31       | 42       | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 87    |
| 14:00      | 0       | 0        | 2        | 21       | 36       | 29       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 93    |
| 15:00      | 0       | 0        | 2        | 10       | 46       | 33       | 13       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 104   |
| 16:00      | 1       | 0        | 0        | 9        | 48       | 28       | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 92    |
| 17:00      | 2       | 0        | 2        | 12       | 47       | 42       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 110   |
| 18:00      | 1       | 0        | 0        | 9        | 38       | 20       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 71    |
| 19:00      | 2       | 0        | 0        | 2        | 28       | 20       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 59    |
| 20:00      | 2       | 0        | 0        | 5        | 13       | 18       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 41    |
| 21:00      | 1       | 0        | 0        | 1        | 12       | 5        | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 26    |
| 22:00      | 0       | 0        | 0        | 1        | 5        | 5        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 14    |
| 23:00      | 0       | 0        | 0        | 1        | 4        | 10       | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 15    |
| Total      | 13      | 1        | 28       | 178      | 513      | 397      | 80       | 5        | 0        | 0        | 0        | 0        | 0        | 0         | 1215  |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 910  
 Percent in Pace : 74.9%  
 Number of Vehicles > 30 MPH : 995  
 Percent of Vehicles > 30 MPH : 81.9%

|             |    |   |    |     |      |     |     |    |   |   |   |   |   |   |      |
|-------------|----|---|----|-----|------|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 15 | 7 | 48 | 315 | 1036 | 807 | 184 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 2427 |
|-------------|----|---|----|-----|------|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 30 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1843  
 Percent in Pace : 75.9%  
 Number of Vehicles > 30 MPH : 2042  
 Percent of Vehicles > 30 MPH : 84.1%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB, EB

| Start Time | 15 | 20 | 25 | 30  | 35   | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|------|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 1  | 0   | 1    | 5   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 8     |
| 01:00      | 0  | 0  | 0  | 0   | 1    | 1   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 02:00      | 0  | 0  | 0  | 1   | 0    | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 03:00      | 0  | 0  | 0  | 1   | 0    | 1   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 04:00      | 0  | 0  | 0  | 0   | 1    | 2   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 4     |
| 05:00      | 0  | 0  | 0  | 6   | 6    | 10  | 10  | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 34    |
| 06:00      | 0  | 0  | 0  | 6   | 32   | 35  | 18  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 92    |
| 07:00      | 0  | 2  | 2  | 30  | 74   | 75  | 30  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 214   |
| 08:00      | 0  | 1  | 9  | 25  | 71   | 79  | 15  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 203   |
| 09:00      | 0  | 0  | 2  | 26  | 60   | 58  | 21  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 170   |
| 10:00      | 2  | 0  | 3  | 16  | 48   | 60  | 19  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 150   |
| 11:00      | 1  | 0  | 0  | 16  | 64   | 59  | 26  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 167   |
| 12 PM      | 0  | 0  | 1  | 10  | 62   | 60  | 18  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 151   |
| 13:00      | 2  | 4  | 2  | 19  | 69   | 66  | 17  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 182   |
| 14:00      | 0  | 0  | 2  | 15  | 68   | 84  | 15  | 2  | 0  | 1  | 0  | 0  | 0  | 0   | 187   |
| 15:00      | 1  | 1  | 2  | 20  | 88   | 94  | 18  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 225   |
| 16:00      | 1  | 0  | 2  | 20  | 97   | 79  | 13  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 215   |
| 17:00      | 1  | 1  | 5  | 14  | 100  | 52  | 17  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 191   |
| 18:00      | 0  | 0  | 2  | 7   | 55   | 49  | 15  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 130   |
| 19:00      | 0  | 0  | 2  | 7   | 49   | 37  | 10  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 106   |
| 20:00      | 0  | 0  | 0  | 3   | 30   | 27  | 11  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 72    |
| 21:00      | 0  | 0  | 1  | 4   | 22   | 13  | 4   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 45    |
| 22:00      | 0  | 0  | 0  | 3   | 9    | 10  | 3   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 27    |
| 23:00      | 0  | 0  | 0  | 1   | 5    | 9   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 17    |
| Total      | 8  | 9  | 36 | 250 | 1012 | 965 | 285 | 30 | 1  | 1  | 0  | 0  | 0  | 0   | 2597  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1977  
 Percent in Pace : 76.1%  
 Number of Vehicles > 30 MPH : 2294  
 Percent of Vehicles > 30 MPH : 88.3%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB, EB

| Start Time | 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total |
|------------|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 12/03/09   | 0  | 0     | 0     | 2     | 2     | 1     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 6     |
| 01:00      | 0  | 0     | 0     | 0     | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 4     |
| 02:00      | 0  | 0     | 0     | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 2     |
| 03:00      | 1  | 0     | 0     | 0     | 1     | 1     | 1     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 4     |
| 04:00      | 0  | 0     | 0     | 0     | 2     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 2     |
| 05:00      | 0  | 0     | 0     | 3     | 9     | 11    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 23    |
| 06:00      | 0  | 0     | 0     | 18    | 45    | 28    | 4     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 95    |
| 07:00      | 3  | 0     | 2     | 30    | 96    | 70    | 19    | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 220   |
| 08:00      | 0  | 0     | 4     | 16    | 74    | 80    | 13    | 2     | 0     | 0     | 0     | 0     | 0     | 0      | 189   |
| 09:00      | 2  | 1     | 5     | 39    | 65    | 21    | 7     | 0     | 0     | 1     | 0     | 0     | 0     | 0      | 141   |
| 10:00      | 2  | 1     | 8     | 23    | 75    | 45    | 10    | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 165   |
| 11:00      | 2  | 0     | 5     | 41    | 64    | 45    | 7     | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 165   |
| 12 PM      | 2  | 1     | 8     | 9     | 53    | 63    | 11    | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 148   |
| 13:00      | 0  | 2     | 4     | 20    | 63    | 79    | 11    | 3     | 0     | 0     | 0     | 0     | 0     | 0      | 182   |
| 14:00      | 1  | 0     | 2     | 26    | 71    | 72    | 20    | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 193   |
| 15:00      | 0  | 0     | 3     | 17    | 94    | 72    | 27    | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 214   |
| 16:00      | 1  | 0     | 2     | 29    | 117   | 68    | 14    | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 231   |
| 17:00      | 2  | 0     | 3     | 23    | 98    | 72    | 8     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 206   |
| 18:00      | 2  | 0     | 2     | 11    | 59    | 57    | 15    | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 146   |
| 19:00      | 2  | 0     | 0     | 4     | 40    | 32    | 10    | 2     | 0     | 0     | 0     | 0     | 0     | 0      | 90    |
| 20:00      | 3  | 0     | 0     | 10    | 22    | 28    | 6     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 69    |
| 21:00      | 2  | 0     | 0     | 2     | 22    | 18    | 11    | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 56    |
| 22:00      | 0  | 0     | 0     | 1     | 9     | 9     | 5     | 0     | 0     | 0     | 0     | 0     | 0     | 0      | 24    |
| 23:00      | 0  | 0     | 0     | 1     | 9     | 14    | 3     | 1     | 0     | 0     | 0     | 0     | 0     | 0      | 28    |
| Total      | 25 | 5     | 48    | 325   | 1095  | 887   | 202   | 15    | 0     | 1     | 0     | 0     | 0     | 0      | 2603  |

Daily  
 15th Percentile : 30 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1982  
 Percent in Pace : 76.1%  
 Number of Vehicles > 30 MPH : 2200  
 Percent of Vehicles > 30 MPH : 84.5%

|             |    |    |    |     |      |      |     |    |   |   |   |   |   |   |      |
|-------------|----|----|----|-----|------|------|-----|----|---|---|---|---|---|---|------|
| Grand Total | 33 | 14 | 84 | 575 | 2107 | 1852 | 487 | 45 | 1 | 2 | 0 | 0 | 0 | 0 | 5200 |
|-------------|----|----|----|-----|------|------|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 3959  
 Percent in Pace : 76.1%  
 Number of Vehicles > 30 MPH : 4494  
 Percent of Vehicles > 30 MPH : 86.4%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 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     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 04:00      | 0     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 05:00      | 0     | 12              | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 0           |
| 06:00      | 0     | 45              | 15          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 62    | 2           |
| 07:00      | 0     | 84              | 32          | 1     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 123   | 7           |
| 08:00      | 0     | 84              | 25          | 0     | 4             | 2             | 0             | 2             | 1             | 0             | 0            | 0            | 0            | 118   | 9           |
| 09:00      | 0     | 61              | 24          | 0     | 3             | 2             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 92    | 7           |
| 10:00      | 1     | 50              | 26          | 2     | 5             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 86    | 9           |
| 11:00      | 1     | 60              | 17          | 2     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 83    | 5           |
| 12 PM      | 1     | 61              | 13          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 76    | 1           |
| 13:00      | 2     | 61              | 30          | 0     | 8             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 101   | 8           |
| 14:00      | 1     | 76              | 20          | 1     | 6             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 107   | 10          |
| 15:00      | 1     | 80              | 23          | 1     | 5             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 112   | 8           |
| 16:00      | 0     | 84              | 31          | 0     | 3             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 119   | 4           |
| 17:00      | 0     | 69              | 19          | 0     | 2             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 93    | 5           |
| 18:00      | 0     | 50              | 10          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 62    | 2           |
| 19:00      | 0     | 35              | 11          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 46    | 0           |
| 20:00      | 0     | 20              | 9           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 29    | 0           |
| 21:00      | 0     | 17              | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 21    | 0           |
| 22:00      | 0     | 13              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 16    | 0           |
| 23:00      | 0     | 8               | 2           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 1           |
| Total      | 7     | 978             | 321         | 7     | 50            | 13            | 0             | 6             | 2             | 0             | 0            | 0            | 0            | 1384  | 78          |
| Percent    | 0.5%  | 70.7%           | 23.2%       | 0.5%  | 3.6%          | 0.9%          | 0.0%          | 0.4%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.6%        |
| AM Peak    | 10:00 | 07:00           | 07:00       | 10:00 | 07:00         | 08:00         |               | 08:00         | 08:00         |               |              |              |              | 07:00 | 08:00       |
| Vol.       | 1     | 84              | 32          | 2     | 5             | 2             |               | 2             | 1             |               |              |              |              | 123   | 9           |
| PM Peak    | 13:00 | 16:00           | 16:00       | 14:00 | 13:00         | 14:00         |               | 14:00         |               |               |              |              |              | 16:00 | 14:00       |
| Vol.       | 2     | 84              | 31          | 1     | 8             | 2             |               | 1             |               |               |              |              |              | 119   | 10          |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

| WB | Start Time  | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|----|-------------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|    | 12/03/09    | 0               | 1           | 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            | 1     | 0           |
|    | 02:00       | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|    | 03:00       | 1               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
|    | 04:00       | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|    | 05:00       | 0               | 7           | 6     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 0           |
|    | 06:00       | 0               | 43          | 15    | 1             | 3             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 63    | 5           |
|    | 07:00       | 2               | 95          | 30    | 0             | 5             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 132   | 5           |
|    | 08:00       | 0               | 86          | 28    | 0             | 3             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 117   | 3           |
|    | 09:00       | 0               | 65          | 14    | 0             | 1             | 1             | 0             | 0             | 1             | 0            | 0            | 0            | 82    | 3           |
|    | 10:00       | 0               | 50          | 30    | 1             | 9             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 91    | 11          |
|    | 11:00       | 2               | 59          | 17    | 0             | 3             | 1             | 0             | 1             | 0             | 0            | 0            | 0            | 83    | 5           |
|    | 12 PM       | 0               | 56          | 13    | 0             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 71    | 2           |
|    | 13:00       | 0               | 63          | 29    | 0             | 3             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 95    | 3           |
|    | 14:00       | 0               | 73          | 20    | 0             | 5             | 0             | 0             | 1             | 1             | 0            | 0            | 0            | 100   | 7           |
|    | 15:00       | 1               | 73          | 30    | 0             | 5             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 110   | 6           |
|    | 16:00       | 3               | 90          | 38    | 0             | 4             | 1             | 0             | 3             | 0             | 0            | 0            | 0            | 139   | 8           |
|    | 17:00       | 0               | 68          | 25    | 0             | 3             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 96    | 3           |
|    | 18:00       | 1               | 59          | 10    | 1             | 4             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 75    | 5           |
|    | 19:00       | 0               | 27          | 3     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 31    | 1           |
|    | 20:00       | 0               | 20          | 7     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 1           |
|    | 21:00       | 1               | 27          | 1     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 30    | 1           |
|    | 22:00       | 0               | 8           | 2     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 10    | 0           |
|    | 23:00       | 0               | 11          | 2     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 0           |
|    | Total       | 11              | 986         | 320   | 3             | 53            | 3             | 0             | 8             | 2             | 0            | 0            | 0            | 1386  | 69          |
|    | Percent     | 0.8%            | 71.1%       | 23.1% | 0.2%          | 3.8%          | 0.2%          | 0.0%          | 0.6%          | 0.1%          | 0.0%         | 0.0%         | 0.0%         |       | 5.0%        |
|    | AM Peak     | 07:00           | 07:00       | 07:00 | 06:00         | 10:00         | 09:00         |               | 06:00         | 09:00         |              |              |              | 07:00 | 10:00       |
|    | Vol.        | 2               | 95          | 30    | 1             | 9             | 1             |               | 1             | 1             |              |              |              | 132   | 11          |
|    | PM Peak     | 16:00           | 16:00       | 16:00 | 18:00         | 14:00         | 16:00         |               | 16:00         | 14:00         |              |              |              | 16:00 | 16:00       |
|    | Vol.        | 3               | 90          | 38    | 1             | 5             | 1             |               | 3             | 1             |              |              |              | 139   | 8           |
|    | Grand Total | 18              | 1964        | 641   | 10            | 103           | 16            | 0             | 14            | 4             | 0            | 0            | 0            | 2770  | 147         |
|    | Percent     | 0.6%            | 70.9%       | 23.1% | 0.4%          | 3.7%          | 0.6%          | 0.0%          | 0.5%          | 0.1%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

EB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 0     | 4               | 1           | 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     | 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               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 1           |
| 05:00      | 0     | 9               | 7           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 1           |
| 06:00      | 0     | 20              | 9           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 30    | 1           |
| 07:00      | 0     | 66              | 20          | 1     | 2             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 91    | 5           |
| 08:00      | 0     | 45              | 27          | 1     | 6             | 3             | 0             | 1             | 2             | 0             | 0            | 0            | 0            | 85    | 13          |
| 09:00      | 0     | 51              | 20          | 1     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 78    | 7           |
| 10:00      | 1     | 38              | 18          | 1     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 64    | 7           |
| 11:00      | 0     | 55              | 21          | 2     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 84    | 8           |
| 12 PM      | 0     | 47              | 23          | 1     | 3             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 75    | 5           |
| 13:00      | 0     | 53              | 21          | 1     | 4             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 80    | 6           |
| 14:00      | 0     | 53              | 21          | 2     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 80    | 6           |
| 15:00      | 0     | 83              | 27          | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 113   | 3           |
| 16:00      | 0     | 77              | 17          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 96    | 2           |
| 17:00      | 1     | 69              | 24          | 0     | 3             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 98    | 4           |
| 18:00      | 0     | 49              | 19          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 68    | 0           |
| 19:00      | 0     | 46              | 13          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 1           |
| 20:00      | 0     | 39              | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 43    | 0           |
| 21:00      | 0     | 21              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 24    | 0           |
| 22:00      | 0     | 6               | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 0           |
| 23:00      | 0     | 5               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 0           |
| Total      | 2     | 837             | 303         | 11    | 45            | 9             | 0             | 3             | 2             | 0             | 0            | 0            | 0            | 1212  | 70          |
| Percent    | 0.2%  | 69.1%           | 25.0%       | 0.9%  | 3.7%          | 0.7%          | 0.0%          | 0.2%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.8%        |
| AM Peak    | 10:00 | 07:00           | 08:00       | 11:00 | 08:00         | 08:00         |               | 07:00         | 08:00         |               |              |              |              | 07:00 | 08:00       |
| Vol.       | 1     | 66              | 27          | 2     | 6             | 3             |               | 1             | 2             |               |              |              |              | 91    | 13          |
| PM Peak    | 17:00 | 15:00           | 15:00       | 14:00 | 13:00         | 13:00         |               | 12:00         |               |               |              |              |              | 15:00 | 13:00       |
| Vol.       | 1     | 83              | 27          | 2     | 4             | 1             |               | 1             |               |               |              |              |              | 113   | 6           |



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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

EB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 4               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 0           |
| 01:00       | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 02:00       | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 03:00       | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 04:00       | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 05:00       | 0     | 6               | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 10    | 0           |
| 06:00       | 0     | 18              | 12          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 32    | 2           |
| 07:00       | 1     | 63              | 19          | 0     | 2             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 87    | 4           |
| 08:00       | 0     | 52              | 17          | 0     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 72    | 3           |
| 09:00       | 1     | 37              | 14          | 0     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 6           |
| 10:00       | 0     | 52              | 16          | 2     | 1             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 73    | 5           |
| 11:00       | 1     | 48              | 22          | 1     | 8             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 81    | 10          |
| 12 PM       | 0     | 51              | 19          | 1     | 5             | 0             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 77    | 7           |
| 13:00       | 2     | 59              | 22          | 0     | 2             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 87    | 4           |
| 14:00       | 0     | 56              | 30          | 1     | 4             | 0             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 93    | 7           |
| 15:00       | 2     | 68              | 27          | 1     | 5             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 104   | 7           |
| 16:00       | 0     | 61              | 29          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 92    | 2           |
| 17:00       | 0     | 79              | 23          | 0     | 7             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 109   | 7           |
| 18:00       | 2     | 54              | 15          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 71    | 0           |
| 19:00       | 0     | 44              | 13          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 1           |
| 20:00       | 0     | 26              | 14          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 40    | 0           |
| 21:00       | 0     | 21              | 4           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 26    | 1           |
| 22:00       | 0     | 13              | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 14    | 1           |
| 23:00       | 0     | 12              | 2           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 15    | 1           |
| Total       | 9     | 828             | 305         | 6     | 50            | 2             | 0             | 8             | 2             | 0             | 0            | 0            | 0            | 1210  | 68          |
| Percent     | 0.7%  | 68.4%           | 25.2%       | 0.5%  | 4.1%          | 0.2%          | 0.0%          | 0.7%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.6%        |
| AM Peak     | 07:00 | 07:00           | 11:00       | 10:00 | 11:00         | 07:00         |               | 10:00         |               |               |              |              |              | 07:00 | 11:00       |
| Vol.        | 1     | 63              | 22          | 2     | 8             | 1             |               | 2             |               |               |              |              |              | 87    | 10          |
| PM Peak     | 13:00 | 17:00           | 14:00       | 12:00 | 17:00         |               |               | 13:00         | 12:00         |               |              |              |              | 17:00 | 12:00       |
| Vol.        | 2     | 79              | 30          | 1     | 7             |               |               | 2             | 1             |               |              |              |              | 109   | 7           |
| Grand Total | 11    | 1665            | 608         | 17    | 95            | 11            | 0             | 11            | 4             | 0             | 0            | 0            | 0            | 2422  | 138         |
| Percent     | 0.5%  | 68.7%           | 25.1%       | 0.7%  | 3.9%          | 0.5%          | 0.0%          | 0.5%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.7%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB, EB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 0     | 6               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 8     | 0           |
| 01:00      | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 02:00      | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 03:00      | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 04:00      | 0     | 3               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 1           |
| 05:00      | 0     | 21              | 12          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 34    | 1           |
| 06:00      | 0     | 65              | 24          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 92    | 3           |
| 07:00      | 0     | 150             | 52          | 2     | 7             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 214   | 12          |
| 08:00      | 0     | 129             | 52          | 1     | 10            | 5             | 0             | 3             | 3             | 0             | 0            | 0            | 0            | 203   | 22          |
| 09:00      | 0     | 112             | 44          | 1     | 8             | 3             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 170   | 14          |
| 10:00      | 2     | 88              | 44          | 3     | 10            | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 150   | 16          |
| 11:00      | 1     | 115             | 38          | 4     | 8             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 167   | 13          |
| 12 PM      | 1     | 108             | 36          | 1     | 4             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 151   | 6           |
| 13:00      | 2     | 114             | 51          | 1     | 12            | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 181   | 14          |
| 14:00      | 1     | 129             | 41          | 3     | 10            | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 187   | 16          |
| 15:00      | 1     | 163             | 50          | 2     | 7             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 225   | 11          |
| 16:00      | 0     | 161             | 48          | 0     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 215   | 6           |
| 17:00      | 1     | 138             | 43          | 0     | 5             | 3             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 191   | 9           |
| 18:00      | 0     | 99              | 29          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 130   | 2           |
| 19:00      | 0     | 81              | 24          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 106   | 1           |
| 20:00      | 0     | 59              | 13          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 72    | 0           |
| 21:00      | 0     | 38              | 7           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 45    | 0           |
| 22:00      | 0     | 19              | 8           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 27    | 0           |
| 23:00      | 0     | 13              | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 1           |
| Total      | 9     | 1815            | 624         | 18    | 95            | 22            | 0             | 9             | 4             | 0             | 0            | 0            | 0            | 2596  | 148         |
| Percent    | 0.3%  | 69.9%           | 24.0%       | 0.7%  | 3.7%          | 0.8%          | 0.0%          | 0.3%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.7%        |
| AM Peak    | 10:00 | 07:00           | 07:00       | 11:00 | 08:00         | 08:00         |               | 08:00         | 08:00         |               |              |              |              | 07:00 | 08:00       |
| Vol.       | 2     | 150             | 52          | 4     | 10            | 5             |               | 3             | 3             |               |              |              |              | 214   | 22          |
| PM Peak    | 13:00 | 15:00           | 13:00       | 14:00 | 13:00         | 17:00         |               | 12:00         |               |               |              |              |              | 15:00 | 14:00       |
| Vol.       | 2     | 163             | 51          | 3     | 12            | 3             |               | 1             |               |               |              |              |              | 225   | 16          |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #4  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St(14),east Washington St(53)

WB, EB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 5               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 0           |
| 01:00       | 0     | 3               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
| 02:00       | 0     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 03:00       | 1     | 3               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
| 04:00       | 0     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 05:00       | 0     | 13              | 10          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 23    | 0           |
| 06:00       | 0     | 61              | 27          | 1     | 5             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 95    | 7           |
| 07:00       | 3     | 158             | 49          | 0     | 7             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 219   | 9           |
| 08:00       | 0     | 138             | 45          | 0     | 5             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 189   | 6           |
| 09:00       | 1     | 102             | 28          | 0     | 7             | 1             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 140   | 9           |
| 10:00       | 0     | 102             | 46          | 3     | 10            | 0             | 0             | 3             | 0             | 0             | 0            | 0            | 0            | 164   | 16          |
| 11:00       | 3     | 107             | 39          | 1     | 11            | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 164   | 15          |
| 12 PM       | 0     | 107             | 32          | 1     | 7             | 0             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 148   | 9           |
| 13:00       | 2     | 122             | 51          | 0     | 5             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 182   | 7           |
| 14:00       | 0     | 129             | 50          | 1     | 9             | 0             | 0             | 2             | 2             | 0             | 0            | 0            | 0            | 193   | 14          |
| 15:00       | 3     | 141             | 57          | 1     | 10            | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 214   | 13          |
| 16:00       | 3     | 151             | 67          | 0     | 6             | 1             | 0             | 3             | 0             | 0             | 0            | 0            | 0            | 231   | 10          |
| 17:00       | 0     | 147             | 48          | 0     | 10            | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 205   | 10          |
| 18:00       | 3     | 113             | 25          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 146   | 5           |
| 19:00       | 0     | 71              | 16          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 89    | 2           |
| 20:00       | 0     | 46              | 21          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 68    | 1           |
| 21:00       | 1     | 48              | 5           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 56    | 2           |
| 22:00       | 0     | 21              | 2           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 24    | 1           |
| 23:00       | 0     | 23              | 4           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 1           |
| Total       | 20    | 1814            | 625         | 9     | 103           | 5             | 0             | 16            | 4             | 0             | 0            | 0            | 0            | 2596  | 137         |
| Percent     | 0.8%  | 69.9%           | 24.1%       | 0.3%  | 4.0%          | 0.2%          | 0.0%          | 0.6%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |
| AM Peak     | 07:00 | 07:00           | 07:00       | 10:00 | 11:00         | 11:00         |               | 10:00         | 09:00         |               |              |              |              | 07:00 | 10:00       |
| Vol.        | 3     | 158             | 49          | 3     | 11            | 2             |               | 3             | 1             |               |              |              |              | 219   | 16          |
| PM Peak     | 15:00 | 16:00           | 16:00       | 12:00 | 15:00         | 16:00         |               | 16:00         | 14:00         |               |              |              |              | 16:00 | 14:00       |
| Vol.        | 3     | 151             | 67          | 1     | 10            | 1             |               | 3             | 2             |               |              |              |              | 231   | 14          |
| Grand Total | 29    | 3629            | 1249        | 27    | 198           | 27            | 0             | 25            | 8             | 0             | 0            | 0            | 0            | 5192  | 285         |
| Percent     | 0.6%  | 69.9%           | 24.1%       | 0.5%  | 3.8%          | 0.5%          | 0.0%          | 0.5%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.5%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

| Start Time | 30-Nov-09 |    | Tue |    | Wed       |           | Thu       |            | Fri |    | Sat |    | Sun |    | Week Average |           |
|------------|-----------|----|-----|----|-----------|-----------|-----------|------------|-----|----|-----|----|-----|----|--------------|-----------|
|            | EB        | WB | EB  | WB | EB        | WB        | EB        | WB         | EB  | WB | EB  | WB | EB  | WB | EB           | WB        |
| 12:00 AM   | *         | *  | *   | *  | 3         | 4         | 2         | 1          | *   | *  | *   | *  | *   | *  | 2            | 2         |
| 01:00      | *         | *  | *   | *  | 0         | 3         | 2         | 0          | *   | *  | *   | *  | *   | *  | 1            | 2         |
| 02:00      | *         | *  | *   | *  | 1         | 0         | 1         | 1          | *   | *  | *   | *  | *   | *  | 1            | 0         |
| 03:00      | *         | *  | *   | *  | 1         | 1         | 1         | 2          | *   | *  | *   | *  | *   | *  | 1            | 2         |
| 04:00      | *         | *  | *   | *  | 2         | 3         | 1         | 1          | *   | *  | *   | *  | *   | *  | 2            | 2         |
| 05:00      | *         | *  | *   | *  | 12        | 15        | 8         | 12         | *   | *  | *   | *  | *   | *  | 10           | 14        |
| 06:00      | *         | *  | *   | *  | 29        | 50        | 28        | 47         | *   | *  | *   | *  | *   | *  | 28           | 48        |
| 07:00      | *         | *  | *   | *  | <b>83</b> | <b>86</b> | <b>77</b> | <b>88</b>  | *   | *  | *   | *  | *   | *  | <b>80</b>    | <b>87</b> |
| 08:00      | *         | *  | *   | *  | 76        | 86        | 66        | <b>101</b> | *   | *  | *   | *  | *   | *  | 71           | <b>94</b> |
| 09:00      | *         | *  | *   | *  | 68        | 71        | 45        | 63         | *   | *  | *   | *  | *   | *  | 56           | 67        |
| 10:00      | *         | *  | *   | *  | 55        | 70        | 60        | 70         | *   | *  | *   | *  | *   | *  | 58           | 70        |
| 11:00      | *         | *  | *   | *  | 78        | 68        | 67        | 71         | *   | *  | *   | *  | *   | *  | 72           | 70        |
| 12:00 PM   | *         | *  | *   | *  | 64        | 62        | 63        | 61         | *   | *  | *   | *  | *   | *  | 64           | 62        |
| 01:00      | *         | *  | *   | *  | 67        | 80        | 74        | 76         | *   | *  | *   | *  | *   | *  | 70           | 78        |
| 02:00      | *         | *  | *   | *  | 63        | 83        | 78        | 87         | *   | *  | *   | *  | *   | *  | 70           | 85        |
| 03:00      | *         | *  | *   | *  | <b>97</b> | <b>95</b> | 83        | 96         | *   | *  | *   | *  | *   | *  | <b>90</b>    | <b>96</b> |
| 04:00      | *         | *  | *   | *  | 90        | 88        | 85        | <b>110</b> | *   | *  | *   | *  | *   | *  | 88           | <b>99</b> |
| 05:00      | *         | *  | *   | *  | 78        | 76        | <b>90</b> | 71         | *   | *  | *   | *  | *   | *  | 84           | 74        |
| 06:00      | *         | *  | *   | *  | 58        | 53        | 59        | 60         | *   | *  | *   | *  | *   | *  | 58           | 56        |
| 07:00      | *         | *  | *   | *  | 48        | 33        | 49        | 25         | *   | *  | *   | *  | *   | *  | 48           | 29        |
| 08:00      | *         | *  | *   | *  | 38        | 25        | 26        | 20         | *   | *  | *   | *  | *   | *  | 32           | 22        |
| 09:00      | *         | *  | *   | *  | 20        | 12        | 25        | 29         | *   | *  | *   | *  | *   | *  | 22           | 20        |
| 10:00      | *         | *  | *   | *  | 9         | 13        | 10        | 6          | *   | *  | *   | *  | *   | *  | 10           | 10        |
| 11:00      | *         | *  | *   | *  | 6         | 9         | 12        | 9          | *   | *  | *   | *  | *   | *  | 9            | 9         |
| Total      | 0         | 0  | 0   | 0  | 1046      | 1086      | 1012      | 1107       | 0   | 0  | 0   | 0  | 0   | 0  | 1027         | 1098      |
| Day        | 0         | 0  | 0   | 0  | 2132      |           | 2119      |            | 0   | 0  | 0   | 0  | 0   | 0  | 2125         |           |
| AM Peak    |           |    |     |    | 07:00     | 07:00     | 07:00     | 08:00      |     |    |     |    |     |    | 07:00        | 08:00     |
| Vol.       |           |    |     |    | 83        | 86        | 77        | 101        |     |    |     |    |     |    | 80           | 94        |
| PM Peak    |           |    |     |    | 15:00     | 15:00     | 17:00     | 16:00      |     |    |     |    |     |    | 15:00        | 16:00     |
| Vol.       |           |    |     |    | 97        | 95        | 90        | 110        |     |    |     |    |     |    | 90           | 99        |

Comb. Total                    0                    0                    2132                    2119                    0                    0                    0                    2125

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

| Start Time | 30-Nov-09<br>Mon | 01-Dec-09<br>Tue | 02-Dec-09<br>Wed | 03-Dec-09<br>Thu | 04-Dec-09<br>Fri | 05-Dec-09<br>Sat | 06-Dec-09<br>Sun | Week<br>Average |
|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 12:00 AM   | *                | *                | 7                | 3                | *                | *                | *                | 5               |
| 01:00      | *                | *                | 3                | 2                | *                | *                | *                | 2               |
| 02:00      | *                | *                | 1                | 2                | *                | *                | *                | 2               |
| 03:00      | *                | *                | 2                | 3                | *                | *                | *                | 2               |
| 04:00      | *                | *                | 5                | 2                | *                | *                | *                | 4               |
| 05:00      | *                | *                | 27               | 20               | *                | *                | *                | 24              |
| 06:00      | *                | *                | 79               | 75               | *                | *                | *                | 77              |
| 07:00      | *                | *                | <b>169</b>       | 165              | *                | *                | *                | <b>167</b>      |
| 08:00      | *                | *                | 162              | <b>167</b>       | *                | *                | *                | 164             |
| 09:00      | *                | *                | 139              | 108              | *                | *                | *                | 124             |
| 10:00      | *                | *                | 125              | 130              | *                | *                | *                | 128             |
| 11:00      | *                | *                | 146              | 138              | *                | *                | *                | 142             |
| 12:00 PM   | *                | *                | 126              | 124              | *                | *                | *                | 125             |
| 01:00      | *                | *                | 147              | 150              | *                | *                | *                | 148             |
| 02:00      | *                | *                | 146              | 165              | *                | *                | *                | 156             |
| 03:00      | *                | *                | <b>192</b>       | 179              | *                | *                | *                | <b>186</b>      |
| 04:00      | *                | *                | 178              | <b>195</b>       | *                | *                | *                | 186             |
| 05:00      | *                | *                | 154              | 161              | *                | *                | *                | 158             |
| 06:00      | *                | *                | 111              | 119              | *                | *                | *                | 115             |
| 07:00      | *                | *                | 81               | 74               | *                | *                | *                | 78              |
| 08:00      | *                | *                | 63               | 46               | *                | *                | *                | 54              |
| 09:00      | *                | *                | 32               | 54               | *                | *                | *                | 43              |
| 10:00      | *                | *                | 22               | 16               | *                | *                | *                | 19              |
| 11:00      | *                | *                | 15               | 21               | *                | *                | *                | 18              |
| Total      | 0                | 0                | 2132             | 2119             | 0                | 0                | 0                | 2127            |
| Percentage | 0.0%             | 0.0%             | 100.2%           | 99.6%            | 0.0%             | 0.0%             | 0.0%             |                 |
| AM Peak    |                  |                  | 07:00            | 08:00            |                  |                  |                  | 07:00           |
| Vol.       |                  |                  | 169              | 167              |                  |                  |                  | 167             |
| PM Peak    |                  |                  | 15:00            | 16:00            |                  |                  |                  | 15:00           |
| Vol.       |                  |                  | 192              | 195              |                  |                  |                  | 186             |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 0  | 1   | 1   | 1   | 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      | 0  | 0  | 0  | 1   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 03:00      | 0  | 0  | 0  | 0   | 0   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 04:00      | 0  | 0  | 0  | 0   | 0   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 0  | 0  | 0  | 2   | 4   | 4   | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 12    |
| 06:00      | 0  | 0  | 0  | 2   | 10  | 10  | 7  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 29    |
| 07:00      | 0  | 0  | 2  | 12  | 32  | 27  | 10 | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 83    |
| 08:00      | 1  | 0  | 8  | 9   | 37  | 20  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 76    |
| 09:00      | 1  | 0  | 1  | 9   | 22  | 25  | 9  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 68    |
| 10:00      | 0  | 0  | 0  | 4   | 19  | 26  | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 55    |
| 11:00      | 0  | 0  | 0  | 10  | 31  | 29  | 8  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 78    |
| 12 PM      | 2  | 0  | 2  | 6   | 29  | 21  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 64    |
| 13:00      | 3  | 0  | 2  | 6   | 29  | 22  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 67    |
| 14:00      | 2  | 0  | 0  | 6   | 29  | 23  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 63    |
| 15:00      | 1  | 0  | 0  | 6   | 47  | 39  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 97    |
| 16:00      | 1  | 2  | 2  | 9   | 40  | 33  | 2  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 90    |
| 17:00      | 3  | 0  | 0  | 5   | 44  | 21  | 3  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 78    |
| 18:00      | 0  | 0  | 3  | 8   | 28  | 18  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 58    |
| 19:00      | 0  | 0  | 1  | 8   | 26  | 11  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 48    |
| 20:00      | 0  | 0  | 0  | 4   | 12  | 16  | 5  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 38    |
| 21:00      | 0  | 1  | 0  | 1   | 7   | 10  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 20    |
| 22:00      | 0  | 0  | 1  | 1   | 2   | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 9     |
| 23:00      | 0  | 0  | 1  | 0   | 4   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 6     |
| Total      | 14 | 3  | 23 | 110 | 453 | 365 | 71 | 5  | 2  | 0  | 0  | 0  | 0  | 0   | 1046  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 818  
 Percent in Pace : 78.2%  
 Number of Vehicles > 30 MPH : 896  
 Percent of Vehicles > 30 MPH : 85.7%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/03/09   | 0       | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 01:00      | 0       | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 02:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 03:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 04:00      | 0       | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 05:00      | 0       | 0        | 0        | 3        | 3        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 8     |
| 06:00      | 0       | 0        | 0        | 6        | 13       | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 28    |
| 07:00      | 0       | 0        | 2        | 14       | 34       | 23       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 77    |
| 08:00      | 0       | 0        | 1        | 12       | 26       | 25       | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 66    |
| 09:00      | 0       | 0        | 1        | 9        | 20       | 14       | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 45    |
| 10:00      | 0       | 0        | 1        | 4        | 33       | 15       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 60    |
| 11:00      | 0       | 0        | 1        | 13       | 31       | 18       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 67    |
| 12 PM      | 1       | 1        | 3        | 8        | 27       | 22       | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 63    |
| 13:00      | 3       | 0        | 2        | 4        | 25       | 33       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 74    |
| 14:00      | 3       | 0        | 1        | 11       | 30       | 28       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 78    |
| 15:00      | 0       | 1        | 4        | 7        | 31       | 33       | 7        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 83    |
| 16:00      | 1       | 2        | 0        | 11       | 38       | 26       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 85    |
| 17:00      | 0       | 1        | 0        | 10       | 37       | 39       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 90    |
| 18:00      | 0       | 1        | 2        | 8        | 29       | 16       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 59    |
| 19:00      | 0       | 0        | 0        | 3        | 25       | 19       | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 49    |
| 20:00      | 0       | 1        | 2        | 1        | 9        | 9        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 26    |
| 21:00      | 0       | 0        | 2        | 1        | 10       | 7        | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 22:00      | 0       | 0        | 0        | 1        | 2        | 3        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 10    |
| 23:00      | 0       | 0        | 0        | 1        | 3        | 8        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 12    |
| Total      | 8       | 7        | 22       | 127      | 430      | 350      | 63       | 5        | 0        | 0        | 0        | 0        | 0        | 0         | 1012  |

Daily  
 15th Percentile : 30 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 780  
 Percent in Pace : 77.1%  
 Number of Vehicles > 30 MPH : 848  
 Percent of Vehicles > 30 MPH : 83.8%

|             |    |    |    |     |     |     |     |    |   |   |   |   |   |   |      |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 22 | 10 | 45 | 237 | 883 | 715 | 134 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 2058 |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 30 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1598  
 Percent in Pace : 77.6%  
 Number of Vehicles > 30 MPH : 1744  
 Percent of Vehicles > 30 MPH : 84.7%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

WB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/02/09   | 0       | 0        | 0        | 1        | 1        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 4     |
| 01:00      | 0       | 0        | 0        | 0        | 1        | 1        | 1        | 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        | 1        | 0        | 0        | 0        | 0        | 0         | 1     |
| 04:00      | 0       | 0        | 0        | 0        | 0        | 2        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| 05:00      | 0       | 0        | 0        | 0        | 2        | 7        | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 15    |
| 06:00      | 0       | 0        | 0        | 1        | 15       | 21       | 10       | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 50    |
| 07:00      | 0       | 0        | 1        | 3        | 28       | 29       | 22       | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 86    |
| 08:00      | 0       | 0        | 2        | 4        | 25       | 43       | 11       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 86    |
| 09:00      | 0       | 0        | 1        | 5        | 23       | 28       | 13       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 71    |
| 10:00      | 1       | 0        | 0        | 4        | 19       | 30       | 14       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 70    |
| 11:00      | 0       | 0        | 0        | 1        | 25       | 28       | 14       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 68    |
| 12 PM      | 0       | 1        | 0        | 3        | 11       | 32       | 13       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 62    |
| 13:00      | 0       | 0        | 0        | 5        | 22       | 38       | 14       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 80    |
| 14:00      | 2       | 0        | 0        | 6        | 30       | 28       | 14       | 2        | 1        | 0        | 0        | 0        | 0        | 0         | 83    |
| 15:00      | 2       | 0        | 1        | 4        | 29       | 51       | 7        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 95    |
| 16:00      | 1       | 0        | 1        | 9        | 31       | 30       | 14       | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 88    |
| 17:00      | 1       | 0        | 1        | 8        | 29       | 27       | 10       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 76    |
| 18:00      | 1       | 1        | 1        | 3        | 13       | 25       | 6        | 2        | 1        | 0        | 0        | 0        | 0        | 0         | 53    |
| 19:00      | 0       | 0        | 0        | 1        | 9        | 16       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 33    |
| 20:00      | 0       | 0        | 0        | 0        | 7        | 13       | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 21:00      | 0       | 0        | 0        | 1        | 7        | 2        | 1        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 12    |
| 22:00      | 0       | 0        | 1        | 0        | 2        | 7        | 1        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 13    |
| 23:00      | 0       | 0        | 0        | 0        | 1        | 4        | 2        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 9     |
| Total      | 8       | 2        | 9        | 59       | 330      | 463      | 184      | 26       | 5        | 0        | 0        | 0        | 0        | 0         | 1086  |

Daily  
 15th Percentile : 32 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 42 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 37 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 793  
 Percent in Pace : 73.0%  
 Number of Vehicles > 30 MPH : 1008  
 Percent of Vehicles > 30 MPH : 92.8%



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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

WB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/03/09   | 0       | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 01:00      | 0       | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0     |
| 02:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 03:00      | 0       | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 2     |
| 04:00      | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 05:00      | 0       | 0        | 0        | 0        | 3        | 9        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 12    |
| 06:00      | 0       | 0        | 0        | 8        | 19       | 15       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 47    |
| 07:00      | 0       | 0        | 0        | 10       | 27       | 43       | 7        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 88    |
| 08:00      | 0       | 0        | 5        | 5        | 24       | 52       | 14       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 101   |
| 09:00      | 0       | 0        | 0        | 8        | 21       | 22       | 9        | 2        | 0        | 0        | 1        | 0        | 0        | 0         | 63    |
| 10:00      | 1       | 0        | 0        | 1        | 27       | 29       | 9        | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 70    |
| 11:00      | 0       | 1        | 1        | 8        | 18       | 34       | 6        | 2        | 0        | 1        | 0        | 0        | 0        | 0         | 71    |
| 12 PM      | 0       | 1        | 0        | 2        | 16       | 29       | 13       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 61    |
| 13:00      | 2       | 0        | 0        | 2        | 21       | 37       | 12       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 76    |
| 14:00      | 3       | 1        | 0        | 5        | 25       | 38       | 13       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 87    |
| 15:00      | 0       | 0        | 4        | 4        | 35       | 40       | 11       | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 96    |
| 16:00      | 2       | 1        | 0        | 7        | 46       | 44       | 8        | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 110   |
| 17:00      | 1       | 0        | 0        | 8        | 30       | 25       | 7        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 71    |
| 18:00      | 0       | 0        | 0        | 4        | 18       | 32       | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 60    |
| 19:00      | 0       | 0        | 0        | 2        | 7        | 12       | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 20:00      | 0       | 0        | 0        | 2        | 7        | 8        | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 20    |
| 21:00      | 1       | 0        | 0        | 5        | 13       | 5        | 3        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 29    |
| 22:00      | 0       | 0        | 0        | 0        | 2        | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 6     |
| 23:00      | 0       | 0        | 0        | 0        | 2        | 2        | 3        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 9     |
| Total      | 10      | 4        | 10       | 83       | 363      | 479      | 131      | 21       | 4        | 1        | 1        | 0        | 0        | 0         | 1107  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 842  
 Percent in Pace : 76.1%  
 Number of Vehicles > 30 MPH : 1000  
 Percent of Vehicles > 30 MPH : 90.3%

|             |    |   |    |     |     |     |     |    |   |   |   |   |   |   |      |
|-------------|----|---|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 18 | 6 | 19 | 142 | 693 | 942 | 315 | 47 | 9 | 1 | 1 | 0 | 0 | 0 | 2193 |
|-------------|----|---|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 32 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 41 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1635  
 Percent in Pace : 74.6%  
 Number of Vehicles > 30 MPH : 2008  
 Percent of Vehicles > 30 MPH : 91.6%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB, WB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 0  | 2   | 2   | 2   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 7     |
| 01:00      | 0  | 0  | 0  | 0   | 1   | 1   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 02:00      | 0  | 0  | 0  | 1   | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 03:00      | 0  | 0  | 0  | 0   | 0   | 1   | 0   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 2     |
| 04:00      | 0  | 0  | 0  | 0   | 0   | 4   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 5     |
| 05:00      | 0  | 0  | 0  | 2   | 6   | 11  | 7   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 27    |
| 06:00      | 0  | 0  | 0  | 3   | 25  | 31  | 17  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 79    |
| 07:00      | 0  | 0  | 3  | 15  | 60  | 56  | 32  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 169   |
| 08:00      | 1  | 0  | 10 | 13  | 62  | 63  | 11  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 162   |
| 09:00      | 1  | 0  | 2  | 14  | 45  | 53  | 22  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 139   |
| 10:00      | 1  | 0  | 0  | 8   | 38  | 56  | 20  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 125   |
| 11:00      | 0  | 0  | 0  | 11  | 56  | 57  | 22  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 146   |
| 12 PM      | 2  | 1  | 2  | 9   | 40  | 53  | 17  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 126   |
| 13:00      | 3  | 0  | 2  | 11  | 51  | 60  | 19  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 147   |
| 14:00      | 4  | 0  | 0  | 12  | 59  | 51  | 17  | 2  | 1  | 0  | 0  | 0  | 0  | 0   | 146   |
| 15:00      | 3  | 0  | 1  | 10  | 76  | 90  | 11  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 192   |
| 16:00      | 2  | 2  | 3  | 18  | 71  | 63  | 16  | 1  | 2  | 0  | 0  | 0  | 0  | 0   | 178   |
| 17:00      | 4  | 0  | 1  | 13  | 73  | 48  | 13  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 154   |
| 18:00      | 1  | 1  | 4  | 11  | 41  | 43  | 7   | 2  | 1  | 0  | 0  | 0  | 0  | 0   | 111   |
| 19:00      | 0  | 0  | 1  | 9   | 35  | 27  | 8   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 81    |
| 20:00      | 0  | 0  | 0  | 4   | 19  | 29  | 9   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 63    |
| 21:00      | 0  | 1  | 0  | 2   | 14  | 12  | 2   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 32    |
| 22:00      | 0  | 0  | 2  | 1   | 4   | 12  | 1   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 22    |
| 23:00      | 0  | 0  | 1  | 0   | 5   | 5   | 2   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 15    |
| Total      | 22 | 5  | 32 | 169 | 783 | 828 | 255 | 31 | 7  | 0  | 0  | 0  | 0  | 0   | 2132  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1611  
 Percent in Pace : 75.6%  
 Number of Vehicles > 30 MPH : 1904  
 Percent of Vehicles > 30 MPH : 89.3%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB, WB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 1   | 1   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 01:00      | 0  | 0  | 0  | 0   | 1   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 02:00      | 0  | 0  | 0  | 0   | 2   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 03:00      | 0  | 0  | 0  | 1   | 1   | 0   | 0   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 3     |
| 04:00      | 0  | 0  | 0  | 0   | 1   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 0  | 0  | 0  | 3   | 6   | 11  | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 20    |
| 06:00      | 0  | 0  | 0  | 14  | 32  | 22  | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 75    |
| 07:00      | 0  | 0  | 2  | 24  | 61  | 66  | 11  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 165   |
| 08:00      | 0  | 0  | 6  | 17  | 50  | 77  | 15  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 167   |
| 09:00      | 0  | 0  | 1  | 17  | 41  | 36  | 10  | 2  | 0  | 0  | 1  | 0  | 0  | 0   | 108   |
| 10:00      | 1  | 0  | 1  | 5   | 60  | 44  | 15  | 4  | 0  | 0  | 0  | 0  | 0  | 0   | 130   |
| 11:00      | 0  | 1  | 2  | 21  | 49  | 52  | 10  | 2  | 0  | 1  | 0  | 0  | 0  | 0   | 138   |
| 12 PM      | 1  | 2  | 3  | 10  | 43  | 51  | 14  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 124   |
| 13:00      | 5  | 0  | 2  | 6   | 46  | 70  | 18  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 150   |
| 14:00      | 6  | 1  | 1  | 16  | 55  | 66  | 18  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 165   |
| 15:00      | 0  | 1  | 8  | 11  | 66  | 73  | 18  | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 179   |
| 16:00      | 3  | 3  | 0  | 18  | 84  | 70  | 14  | 2  | 1  | 0  | 0  | 0  | 0  | 0   | 195   |
| 17:00      | 1  | 1  | 0  | 18  | 67  | 64  | 10  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 161   |
| 18:00      | 0  | 1  | 2  | 12  | 47  | 48  | 8   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 119   |
| 19:00      | 0  | 0  | 0  | 5   | 32  | 31  | 5   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 74    |
| 20:00      | 0  | 1  | 2  | 3   | 16  | 17  | 6   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 46    |
| 21:00      | 1  | 0  | 2  | 6   | 23  | 12  | 7   | 3  | 2  | 0  | 0  | 0  | 0  | 0   | 54    |
| 22:00      | 0  | 0  | 0  | 1   | 4   | 6   | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 16    |
| 23:00      | 0  | 0  | 0  | 1   | 5   | 10  | 3   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 21    |
| Total      | 18 | 11 | 32 | 210 | 793 | 829 | 194 | 26 | 4  | 1  | 1  | 0  | 0  | 0   | 2119  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1622  
 Percent in Pace : 76.5%  
 Number of Vehicles > 30 MPH : 1848  
 Percent of Vehicles > 30 MPH : 87.2%

|             |    |    |    |     |      |      |     |    |    |   |   |   |   |   |      |
|-------------|----|----|----|-----|------|------|-----|----|----|---|---|---|---|---|------|
| Grand Total | 40 | 16 | 64 | 379 | 1576 | 1657 | 449 | 57 | 11 | 1 | 1 | 0 | 0 | 0 | 4251 |
|-------------|----|----|----|-----|------|------|-----|----|----|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 3233  
 Percent in Pace : 76.1%  
 Number of Vehicles > 30 MPH : 3752  
 Percent of Vehicles > 30 MPH : 88.3%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 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     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 03:00      | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 04:00      | 0     | 1               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 1           |
| 05:00      | 0     | 8               | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 1           |
| 06:00      | 0     | 19              | 9           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 29    | 1           |
| 07:00      | 0     | 64              | 15          | 1     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 83    | 4           |
| 08:00      | 0     | 42              | 23          | 2     | 6             | 0             | 0             | 1             | 2             | 0             | 0            | 0            | 0            | 76    | 11          |
| 09:00      | 1     | 44              | 15          | 1     | 6             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 68    | 8           |
| 10:00      | 0     | 37              | 14          | 1     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 55    | 4           |
| 11:00      | 0     | 49              | 21          | 2     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 78    | 8           |
| 12 PM      | 0     | 43              | 17          | 1     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 64    | 4           |
| 13:00      | 1     | 48              | 14          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 66    | 3           |
| 14:00      | 0     | 45              | 14          | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 62    | 3           |
| 15:00      | 2     | 73              | 20          | 1     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 97    | 2           |
| 16:00      | 1     | 73              | 13          | 0     | 1             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 90    | 3           |
| 17:00      | 0     | 59              | 17          | 0     | 1             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 78    | 2           |
| 18:00      | 0     | 40              | 16          | 0     | 1             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 2           |
| 19:00      | 0     | 36              | 11          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 48    | 1           |
| 20:00      | 0     | 35              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 38    | 0           |
| 21:00      | 0     | 17              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 20    | 0           |
| 22:00      | 0     | 5               | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 9     | 0           |
| 23:00      | 0     | 5               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 0           |
| Total      | 5     | 745             | 236         | 10    | 38            | 6             | 0             | 2             | 2             | 0             | 0            | 0            | 0            | 1044  | 58          |
| Percent    | 0.5%  | 71.4%           | 22.6%       | 1.0%  | 3.6%          | 0.6%          | 0.0%          | 0.2%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.6%        |
| AM Peak    | 09:00 | 07:00           | 08:00       | 08:00 | 08:00         | 09:00         |               | 08:00         | 08:00         |               |              |              |              | 07:00 | 08:00       |
| Vol.       | 1     | 64              | 23          | 2     | 6             | 1             |               | 1             | 2             |               |              |              |              | 83    | 11          |
| PM Peak    | 15:00 | 15:00           | 15:00       | 12:00 | 13:00         | 16:00         |               | 12:00         |               |               |              |              |              | 15:00 | 12:00       |
| Vol.       | 2     | 73              | 20          | 1     | 3             | 2             |               | 1             |               |               |              |              |              | 97    | 4           |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 1               | 1           | 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               | 1           | 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               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 05:00       | 0     | 5               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 8     | 0           |
| 06:00       | 0     | 18              | 9           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 1           |
| 07:00       | 0     | 59              | 13          | 0     | 3             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 77    | 5           |
| 08:00       | 0     | 43              | 19          | 1     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 66    | 4           |
| 09:00       | 0     | 29              | 11          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 45    | 5           |
| 10:00       | 0     | 44              | 14          | 2     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 2           |
| 11:00       | 0     | 39              | 21          | 1     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 67    | 7           |
| 12 PM       | 0     | 46              | 15          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 63    | 2           |
| 13:00       | 2     | 53              | 16          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 73    | 2           |
| 14:00       | 0     | 50              | 21          | 0     | 5             | 0             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 78    | 7           |
| 15:00       | 2     | 61              | 13          | 1     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 83    | 7           |
| 16:00       | 0     | 56              | 27          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 85    | 2           |
| 17:00       | 0     | 69              | 17          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 90    | 4           |
| 18:00       | 0     | 49              | 10          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 59    | 0           |
| 19:00       | 0     | 36              | 12          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 49    | 1           |
| 20:00       | 0     | 18              | 8           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 26    | 0           |
| 21:00       | 0     | 21              | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 25    | 1           |
| 22:00       | 0     | 9               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 10    | 1           |
| 23:00       | 0     | 9               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 0           |
| Total       | 4     | 719             | 237         | 5     | 41            | 1             | 0             | 3             | 1             | 0             | 0            | 0            | 0            | 1011  | 51          |
| Percent     | 0.4%  | 71.1%           | 23.4%       | 0.5%  | 4.1%          | 0.1%          | 0.0%          | 0.3%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.0%        |
| AM Peak     |       | 07:00           | 11:00       | 10:00 | 11:00         | 07:00         |               | 07:00         |               |               |              |              |              | 07:00 | 11:00       |
| Vol.        |       | 59              | 21          | 2     | 6             | 1             |               | 1             |               |               |              |              |              | 77    | 7           |
| PM Peak     |       | 13:00           | 17:00       | 16:00 | 15:00         | 15:00         |               | 14:00         | 14:00         |               |              |              |              | 17:00 | 14:00       |
| Vol.        |       | 2               | 69          | 27    | 1             | 6             |               | 1             | 1             |               |              |              |              | 90    | 7           |
| Grand Total | 9     | 1464            | 473         | 15    | 79            | 7             | 0             | 5             | 3             | 0             | 0            | 0            | 0            | 2055  | 109         |
| Percent     | 0.4%  | 71.2%           | 23.0%       | 0.7%  | 3.8%          | 0.3%          | 0.0%          | 0.2%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

| WB | Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|----|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|    | 12/02/09   | 0     | 3               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
|    | 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     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|    | 04:00      | 0     | 3               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
|    | 05:00      | 0     | 9               | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 15    | 0           |
|    | 06:00      | 0     | 37              | 13          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 50    | 0           |
|    | 07:00      | 0     | 59              | 25          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 86    | 2           |
|    | 08:00      | 0     | 57              | 22          | 1     | 5             | 0             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 86    | 7           |
|    | 09:00      | 0     | 44              | 22          | 0     | 2             | 1             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 71    | 5           |
|    | 10:00      | 0     | 37              | 25          | 2     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 70    | 8           |
|    | 11:00      | 1     | 51              | 12          | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 68    | 4           |
|    | 12 PM      | 0     | 46              | 15          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 62    | 1           |
|    | 13:00      | 2     | 45              | 27          | 0     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 80    | 6           |
|    | 14:00      | 0     | 58              | 20          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 83    | 5           |
|    | 15:00      | 0     | 61              | 24          | 3     | 3             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 94    | 9           |
|    | 16:00      | 0     | 62              | 18          | 0     | 5             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 87    | 7           |
|    | 17:00      | 0     | 60              | 15          | 0     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 76    | 1           |
|    | 18:00      | 1     | 40              | 11          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 53    | 1           |
|    | 19:00      | 0     | 22              | 11          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 33    | 0           |
|    | 20:00      | 0     | 18              | 7           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 25    | 0           |
|    | 21:00      | 0     | 9               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 0           |
|    | 22:00      | 0     | 9               | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 1           |
|    | 23:00      | 0     | 6               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 9     | 0           |
|    | Total      | 4     | 739             | 284         | 9     | 38            | 6             | 0             | 2             | 2             | 0             | 0            | 0            | 0            | 1084  | 57          |
|    | Percent    | 0.4%  | 68.2%           | 26.2%       | 0.8%  | 3.5%          | 0.6%          | 0.0%          | 0.2%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |
|    | AM Peak    | 11:00 | 07:00           | 07:00       | 10:00 | 10:00         | 09:00         |               | 09:00         | 08:00         |               |              |              |              | 07:00 | 10:00       |
|    | Vol.       | 1     | 59              | 25          | 2     | 6             | 1             |               | 1             | 1             |               |              |              |              | 86    | 8           |
|    | PM Peak    | 13:00 | 16:00           | 13:00       | 15:00 | 13:00         | 15:00         |               | 15:00         |               |               |              |              |              | 15:00 | 15:00       |
|    | Vol.       | 2     | 62              | 27          | 3     | 6             | 2             |               | 1             |               |               |              |              |              | 94    | 9           |

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

Community: Pembroke  
Com #\_U/RFC: 231\_U6  
Recorder #: Jamar #6  
Tube Layout: L6 Basic (2')

Station ID:  
Site Code: 231  
Date Start: 02-Dec-09  
Date End: 03-Dec-09  
Congress St (14), at Duxbury T/L

| WB | Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|----|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|    | 12/03/09    | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 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               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
|    | 04:00       | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|    | 05:00       | 0     | 7               | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 0           |
|    | 06:00       | 0     | 29              | 14          | 0     | 3             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 47    | 4           |
|    | 07:00       | 0     | 67              | 17          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 88    | 4           |
|    | 08:00       | 0     | 66              | 30          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 101   | 5           |
|    | 09:00       | 0     | 46              | 14          | 0     | 1             | 1             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 63    | 3           |
|    | 10:00       | 0     | 38              | 23          | 1     | 7             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 70    | 9           |
|    | 11:00       | 1     | 48              | 20          | 0     | 1             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 71    | 2           |
|    | 12 PM       | 0     | 40              | 18          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 61    | 3           |
|    | 13:00       | 0     | 49              | 25          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 76    | 2           |
|    | 14:00       | 2     | 61              | 17          | 0     | 5             | 0             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 87    | 7           |
|    | 15:00       | 1     | 61              | 27          | 1     | 5             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 96    | 7           |
|    | 16:00       | 1     | 73              | 30          | 0     | 3             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 109   | 5           |
|    | 17:00       | 0     | 51              | 19          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 71    | 1           |
|    | 18:00       | 1     | 44              | 11          | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 4           |
|    | 19:00       | 0     | 19              | 5           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 25    | 1           |
|    | 20:00       | 0     | 17              | 2           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 20    | 1           |
|    | 21:00       | 0     | 25              | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 29    | 1           |
|    | 22:00       | 0     | 4               | 1           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 1           |
|    | 23:00       | 0     | 6               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 9     | 0           |
|    | Total       | 6     | 755             | 285         | 5     | 45            | 2             | 0             | 6             | 2             | 0             | 0            | 0            | 0            | 1106  | 60          |
|    | Percent     | 0.5%  | 68.3%           | 25.8%       | 0.5%  | 4.1%          | 0.2%          | 0.0%          | 0.5%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.4%        |
|    | AM Peak     | 11:00 | 07:00           | 08:00       | 08:00 | 10:00         | 09:00         |               | 06:00         | 09:00         |               |              |              |              | 08:00 | 10:00       |
|    | Vol.        | 1     | 67              | 30          | 1     | 7             | 1             |               | 1             | 1             |               |              |              |              | 101   | 9           |
|    | PM Peak     | 14:00 | 16:00           | 16:00       | 18:00 | 14:00         |               |               | 16:00         | 14:00         |               |              |              |              | 16:00 | 14:00       |
|    | Vol.        | 2     | 73              | 30          | 2     | 5             |               |               | 2             | 1             |               |              |              |              | 109   | 7           |
|    | Grand Total | 10    | 1494            | 569         | 14    | 83            | 8             | 0             | 8             | 4             | 0             | 0            | 0            | 0            | 2190  | 117         |
|    | Percent     | 0.5%  | 68.2%           | 26.0%       | 0.6%  | 3.8%          | 0.4%          | 0.0%          | 0.4%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |

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

Community: Pembroke  
Com #\_U/RFC: 231\_U6  
Recorder #: Jamar #6  
Tube Layout: L6 Basic (2')

Station ID:  
Site Code: 231  
Date Start: 02-Dec-09  
Date End: 03-Dec-09  
Congress St (14), at Duxbury T/L

EB, WB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 0     | 5               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 0           |
| 01:00      | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 02:00      | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 03:00      | 0     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 04:00      | 0     | 4               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 1           |
| 05:00      | 0     | 17              | 9           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 27    | 1           |
| 06:00      | 0     | 56              | 22          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 79    | 1           |
| 07:00      | 0     | 123             | 40          | 1     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 169   | 6           |
| 08:00      | 0     | 99              | 45          | 3     | 11            | 0             | 0             | 1             | 3             | 0             | 0            | 0            | 0            | 162   | 18          |
| 09:00      | 1     | 88              | 37          | 1     | 8             | 2             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 139   | 13          |
| 10:00      | 0     | 74              | 39          | 3     | 9             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 125   | 12          |
| 11:00      | 1     | 100             | 33          | 4     | 7             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 146   | 12          |
| 12 PM      | 0     | 89              | 32          | 1     | 3             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 126   | 5           |
| 13:00      | 3     | 93              | 41          | 0     | 9             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 146   | 9           |
| 14:00      | 0     | 103             | 34          | 2     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 145   | 8           |
| 15:00      | 2     | 134             | 44          | 4     | 4             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 191   | 11          |
| 16:00      | 1     | 135             | 31          | 0     | 6             | 4             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 177   | 10          |
| 17:00      | 0     | 119             | 32          | 0     | 1             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 154   | 3           |
| 18:00      | 1     | 80              | 27          | 0     | 2             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 111   | 3           |
| 19:00      | 0     | 58              | 22          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 81    | 1           |
| 20:00      | 0     | 53              | 10          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 63    | 0           |
| 21:00      | 0     | 26              | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 32    | 0           |
| 22:00      | 0     | 14              | 7           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 22    | 1           |
| 23:00      | 0     | 11              | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 15    | 0           |
| Total      | 9     | 1484            | 520         | 19    | 76            | 12            | 0             | 4             | 4             | 0             | 0            | 0            | 0            | 2128  | 115         |
| Percent    | 0.4%  | 69.7%           | 24.4%       | 0.9%  | 3.6%          | 0.6%          | 0.0%          | 0.2%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.4%        |
| AM Peak    | 09:00 | 07:00           | 08:00       | 11:00 | 08:00         | 09:00         |               | 08:00         | 08:00         |               |              |              |              | 07:00 | 08:00       |
| Vol.       | 1     | 123             | 45          | 4     | 11            | 2             |               | 1             | 3             |               |              |              |              | 169   | 18          |
| PM Peak    | 13:00 | 16:00           | 15:00       | 15:00 | 13:00         | 16:00         |               | 12:00         |               |               |              |              |              | 15:00 | 15:00       |
| Vol.       | 3     | 135             | 44          | 4     | 9             | 4             |               | 1             |               |               |              |              |              | 191   | 11          |



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

Community: Pembroke  
 Com #\_U/RFC: 231\_U6  
 Recorder #: Jamar #6  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Congress St (14), at Duxbury T/L

EB, WB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 01:00       | 0     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 02:00       | 0     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 03:00       | 0     | 2               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
| 04:00       | 0     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 05:00       | 0     | 12              | 8           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 20    | 0           |
| 06:00       | 0     | 47              | 23          | 0     | 4             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 75    | 5           |
| 07:00       | 0     | 126             | 30          | 0     | 7             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 165   | 9           |
| 08:00       | 0     | 109             | 49          | 2     | 6             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 167   | 9           |
| 09:00       | 0     | 75              | 25          | 0     | 6             | 1             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 108   | 8           |
| 10:00       | 0     | 82              | 37          | 3     | 7             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 130   | 11          |
| 11:00       | 1     | 87              | 41          | 1     | 7             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 138   | 9           |
| 12 PM       | 0     | 86              | 33          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 124   | 5           |
| 13:00       | 2     | 102             | 41          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 149   | 4           |
| 14:00       | 2     | 111             | 38          | 0     | 10            | 0             | 0             | 2             | 2             | 0             | 0            | 0            | 0            | 165   | 14          |
| 15:00       | 3     | 122             | 40          | 2     | 11            | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 179   | 14          |
| 16:00       | 1     | 129             | 57          | 0     | 5             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 194   | 7           |
| 17:00       | 0     | 120             | 36          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 161   | 5           |
| 18:00       | 1     | 93              | 21          | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 119   | 4           |
| 19:00       | 0     | 55              | 17          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 74    | 2           |
| 20:00       | 0     | 35              | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 46    | 1           |
| 21:00       | 0     | 46              | 6           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 54    | 2           |
| 22:00       | 0     | 13              | 1           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 16    | 2           |
| 23:00       | 0     | 15              | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 21    | 0           |
| Total       | 10    | 1474            | 522         | 10    | 86            | 3             | 0             | 9             | 3             | 0             | 0            | 0            | 0            | 2117  | 111         |
| Percent     | 0.5%  | 69.6%           | 24.7%       | 0.5%  | 4.1%          | 0.1%          | 0.0%          | 0.4%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.2%        |
| AM Peak     | 11:00 | 07:00           | 08:00       | 10:00 | 07:00         | 07:00         |               | 06:00         | 09:00         |               |              |              |              | 08:00 | 10:00       |
| Vol.        | 1     | 126             | 49          | 3     | 7             | 1             |               | 1             | 1             |               |              |              |              | 167   | 11          |
| PM Peak     | 15:00 | 16:00           | 16:00       | 15:00 | 15:00         |               |               | 14:00         | 14:00         |               |              |              |              | 16:00 | 14:00       |
| Vol.        | 3     | 129             | 57          | 2     | 11            |               |               | 2             | 2             |               |              |              |              | 194   | 14          |
| Grand Total | 19    | 2958            | 1042        | 29    | 162           | 15            | 0             | 13            | 7             | 0             | 0            | 0            | 0            | 4245  | 226         |
| Percent     | 0.4%  | 69.7%           | 24.5%       | 0.7%  | 3.8%          | 0.4%          | 0.0%          | 0.3%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.3%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

| Start Time | 30-Nov-09 |    | Tue |    | Wed   |       | Thu   |       | Fri |    | Sat |    | Sun |    | Week Average |       |
|------------|-----------|----|-----|----|-------|-------|-------|-------|-----|----|-----|----|-----|----|--------------|-------|
|            | SB        | NB | SB  | NB | SB    | NB    | SB    | NB    | SB  | NB | SB  | NB | SB  | NB | SB           | NB    |
| 12:00 AM   | *         | *  | *   | *  | 1     | 3     | 1     | 4     | *   | *  | *   | *  | *   | *  | 1            | 4     |
| 01:00      | *         | *  | *   | *  | 1     | 2     | 1     | 2     | *   | *  | *   | *  | *   | *  | 1            | 2     |
| 02:00      | *         | *  | *   | *  | 0     | 0     | 0     | 0     | *   | *  | *   | *  | *   | *  | 0            | 0     |
| 03:00      | *         | *  | *   | *  | 0     | 1     | 0     | 0     | *   | *  | *   | *  | *   | *  | 0            | 0     |
| 04:00      | *         | *  | *   | *  | 2     | 4     | 0     | 7     | *   | *  | *   | *  | *   | *  | 1            | 6     |
| 05:00      | *         | *  | *   | *  | 7     | 25    | 5     | 19    | *   | *  | *   | *  | *   | *  | 6            | 22    |
| 06:00      | *         | *  | *   | *  | 38    | 25    | 32    | 28    | *   | *  | *   | *  | *   | *  | 35           | 26    |
| 07:00      | *         | *  | *   | *  | 45    | 52    | 54    | 48    | *   | *  | *   | *  | *   | *  | 50           | 50    |
| 08:00      | *         | *  | *   | *  | 51    | 51    | 34    | 51    | *   | *  | *   | *  | *   | *  | 42           | 51    |
| 09:00      | *         | *  | *   | *  | 39    | 40    | 20    | 38    | *   | *  | *   | *  | *   | *  | 30           | 39    |
| 10:00      | *         | *  | *   | *  | 32    | 26    | 36    | 31    | *   | *  | *   | *  | *   | *  | 34           | 28    |
| 11:00      | *         | *  | *   | *  | 39    | 27    | 31    | 35    | *   | *  | *   | *  | *   | *  | 35           | 31    |
| 12:00 PM   | *         | *  | *   | *  | 49    | 34    | 36    | 44    | *   | *  | *   | *  | *   | *  | 42           | 39    |
| 01:00      | *         | *  | *   | *  | 44    | 40    | 45    | 39    | *   | *  | *   | *  | *   | *  | 44           | 40    |
| 02:00      | *         | *  | *   | *  | 59    | 45    | 49    | 42    | *   | *  | *   | *  | *   | *  | 54           | 44    |
| 03:00      | *         | *  | *   | *  | 79    | 43    | 72    | 49    | *   | *  | *   | *  | *   | *  | 76           | 46    |
| 04:00      | *         | *  | *   | *  | 84    | 40    | 85    | 52    | *   | *  | *   | *  | *   | *  | 84           | 46    |
| 05:00      | *         | *  | *   | *  | 78    | 39    | 84    | 35    | *   | *  | *   | *  | *   | *  | 81           | 37    |
| 06:00      | *         | *  | *   | *  | 58    | 23    | 70    | 40    | *   | *  | *   | *  | *   | *  | 64           | 32    |
| 07:00      | *         | *  | *   | *  | 28    | 37    | 50    | 25    | *   | *  | *   | *  | *   | *  | 39           | 31    |
| 08:00      | *         | *  | *   | *  | 29    | 13    | 22    | 23    | *   | *  | *   | *  | *   | *  | 26           | 18    |
| 09:00      | *         | *  | *   | *  | 22    | 5     | 22    | 14    | *   | *  | *   | *  | *   | *  | 22           | 10    |
| 10:00      | *         | *  | *   | *  | 11    | 6     | 8     | 3     | *   | *  | *   | *  | *   | *  | 10           | 4     |
| 11:00      | *         | *  | *   | *  | 5     | 2     | 8     | 4     | *   | *  | *   | *  | *   | *  | 6            | 3     |
| Total      | 0         | 0  | 0   | 0  | 801   | 583   | 765   | 633   | 0   | 0  | 0   | 0  | 0   | 0  | 783          | 609   |
| Day        | 0         | 0  | 0   | 0  | 1384  |       | 1398  |       | 0   | 0  | 0   | 0  | 0   | 0  | 1392         |       |
| AM Peak    |           |    |     |    | 08:00 | 07:00 | 07:00 | 08:00 |     |    |     |    |     |    | 07:00        | 08:00 |
| Vol.       |           |    |     |    | 51    | 52    | 54    | 51    |     |    |     |    |     |    | 50           | 51    |
| PM Peak    |           |    |     |    | 16:00 | 14:00 | 16:00 | 16:00 |     |    |     |    |     |    | 16:00        | 15:00 |
| Vol.       |           |    |     |    | 84    | 45    | 85    | 52    |     |    |     |    |     |    | 84           | 46    |

Comb. Total                    0                    0                    1384                    1398                    0                    0                    0                    1392

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

| Start Time | 30-Nov-09<br>Mon | 01-Dec-09<br>Tue | 02-Dec-09<br>Wed | 03-Dec-09<br>Thu | 04-Dec-09<br>Fri | 05-Dec-09<br>Sat | 06-Dec-09<br>Sun | Week<br>Average |
|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 12:00 AM   | *                | *                | 4                | 5                | *                | *                | *                | 4               |
| 01:00      | *                | *                | 3                | 3                | *                | *                | *                | 3               |
| 02:00      | *                | *                | 0                | 0                | *                | *                | *                | 0               |
| 03:00      | *                | *                | 1                | 0                | *                | *                | *                | 0               |
| 04:00      | *                | *                | 6                | 7                | *                | *                | *                | 6               |
| 05:00      | *                | *                | 32               | 24               | *                | *                | *                | 28              |
| 06:00      | *                | *                | 63               | 60               | *                | *                | *                | 62              |
| 07:00      | *                | *                | 97               | 102              | *                | *                | *                | 100             |
| 08:00      | *                | *                | 102              | 85               | *                | *                | *                | 94              |
| 09:00      | *                | *                | 79               | 58               | *                | *                | *                | 68              |
| 10:00      | *                | *                | 58               | 67               | *                | *                | *                | 62              |
| 11:00      | *                | *                | 66               | 66               | *                | *                | *                | 66              |
| 12:00 PM   | *                | *                | 83               | 80               | *                | *                | *                | 82              |
| 01:00      | *                | *                | 84               | 84               | *                | *                | *                | 84              |
| 02:00      | *                | *                | 104              | 91               | *                | *                | *                | 98              |
| 03:00      | *                | *                | 122              | 121              | *                | *                | *                | 122             |
| 04:00      | *                | *                | 124              | 137              | *                | *                | *                | 130             |
| 05:00      | *                | *                | 117              | 119              | *                | *                | *                | 118             |
| 06:00      | *                | *                | 81               | 110              | *                | *                | *                | 96              |
| 07:00      | *                | *                | 65               | 75               | *                | *                | *                | 70              |
| 08:00      | *                | *                | 42               | 45               | *                | *                | *                | 44              |
| 09:00      | *                | *                | 27               | 36               | *                | *                | *                | 32              |
| 10:00      | *                | *                | 17               | 11               | *                | *                | *                | 14              |
| 11:00      | *                | *                | 7                | 12               | *                | *                | *                | 10              |
| Total      | 0                | 0                | 1384             | 1398             | 0                | 0                | 0                | 1393            |
| Percentage | 0.0%             | 0.0%             | 99.4%            | 100.4%           | 0.0%             | 0.0%             | 0.0%             |                 |
| AM Peak    |                  |                  | 08:00            | 07:00            |                  |                  |                  | 07:00           |
| Vol.       |                  |                  | 102              | 102              |                  |                  |                  | 100             |
| PM Peak    |                  |                  | 16:00            | 16:00            |                  |                  |                  | 16:00           |
| Vol.       |                  |                  | 124              | 137              |                  |                  |                  | 130             |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB

| Start Time | 15 | 20 | 25 | 30 | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 0  | 0  | 0   | 0   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 01:00      | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 1  | 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      | 0  | 0  | 0  | 0  | 0   | 1   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 2  | 0  | 0  | 0  | 3   | 2   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 7     |
| 06:00      | 0  | 1  | 4  | 9  | 13  | 9   | 1   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 38    |
| 07:00      | 3  | 0  | 1  | 2  | 12  | 20  | 6   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 45    |
| 08:00      | 1  | 0  | 0  | 2  | 14  | 22  | 12  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 51    |
| 09:00      | 1  | 0  | 0  | 2  | 11  | 14  | 11  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 39    |
| 10:00      | 0  | 0  | 1  | 0  | 5   | 15  | 8   | 2  | 1  | 0  | 0  | 0  | 0  | 0   | 32    |
| 11:00      | 0  | 0  | 0  | 4  | 9   | 15  | 11  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 39    |
| 12 PM      | 0  | 0  | 0  | 5  | 10  | 20  | 11  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 49    |
| 13:00      | 1  | 2  | 0  | 1  | 13  | 16  | 9   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 44    |
| 14:00      | 0  | 0  | 3  | 4  | 13  | 19  | 17  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 59    |
| 15:00      | 1  | 1  | 1  | 0  | 22  | 37  | 16  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 79    |
| 16:00      | 0  | 0  | 0  | 3  | 28  | 33  | 17  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 84    |
| 17:00      | 0  | 0  | 1  | 3  | 24  | 33  | 15  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 78    |
| 18:00      | 0  | 1  | 1  | 2  | 19  | 21  | 14  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 58    |
| 19:00      | 1  | 0  | 0  | 0  | 6   | 12  | 9   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 28    |
| 20:00      | 0  | 1  | 0  | 7  | 2   | 12  | 5   | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 29    |
| 21:00      | 0  | 0  | 1  | 0  | 6   | 11  | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 22    |
| 22:00      | 0  | 0  | 0  | 1  | 1   | 7   | 0   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 11    |
| 23:00      | 0  | 0  | 0  | 0  | 2   | 2   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 5     |
| Total      | 10 | 6  | 13 | 45 | 213 | 321 | 169 | 22 | 2  | 0  | 0  | 0  | 0  | 0   | 801   |

Daily  
 15th Percentile : 32 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 43 MPH  
 95th Percentile : 45 MPH  
  
 Mean Speed(Average) : 37 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 534  
 Percent in Pace : 66.7%  
 Number of Vehicles > 35 MPH : 514  
 Percent of Vehicles > 35 MPH : 64.2%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/03/09   | 0       | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 01:00      | 0       | 0        | 0        | 0        | 0        | 0        | 1        | 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      | 0       | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0     |
| 05:00      | 0       | 0        | 0        | 2        | 0        | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 06:00      | 0       | 0        | 2        | 3        | 12       | 12       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 32    |
| 07:00      | 1       | 0        | 1        | 0        | 15       | 26       | 10       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 54    |
| 08:00      | 1       | 0        | 0        | 2        | 13       | 12       | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 34    |
| 09:00      | 1       | 1        | 2        | 0        | 5        | 6        | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 20    |
| 10:00      | 0       | 0        | 2        | 1        | 5        | 18       | 9        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 36    |
| 11:00      | 0       | 0        | 0        | 0        | 7        | 14       | 10       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 31    |
| 12 PM      | 1       | 1        | 0        | 1        | 11       | 16       | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 36    |
| 13:00      | 3       | 2        | 3        | 2        | 8        | 19       | 8        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 45    |
| 14:00      | 0       | 0        | 0        | 2        | 12       | 19       | 13       | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 49    |
| 15:00      | 0       | 2        | 2        | 4        | 18       | 30       | 14       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 72    |
| 16:00      | 2       | 0        | 1        | 12       | 26       | 33       | 9        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 85    |
| 17:00      | 0       | 0        | 0        | 5        | 35       | 36       | 8        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 84    |
| 18:00      | 0       | 1        | 0        | 6        | 23       | 31       | 7        | 1        | 0        | 0        | 1        | 0        | 0        | 0         | 70    |
| 19:00      | 1       | 1        | 0        | 3        | 15       | 25       | 3        | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 50    |
| 20:00      | 0       | 1        | 0        | 0        | 9        | 6        | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 22    |
| 21:00      | 0       | 1        | 0        | 0        | 9        | 5        | 5        | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 22    |
| 22:00      | 0       | 0        | 0        | 0        | 4        | 1        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 8     |
| 23:00      | 0       | 0        | 0        | 0        | 3        | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 8     |
| Total      | 10      | 10       | 13       | 43       | 231      | 315      | 125      | 15       | 2        | 0        | 1        | 0        | 0        | 0         | 765   |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 42 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 546  
 Percent in Pace : 71.4%  
 Number of Vehicles > 35 MPH : 458  
 Percent of Vehicles > 35 MPH : 59.9%

|             |    |    |    |    |     |     |     |    |   |   |   |   |   |   |      |
|-------------|----|----|----|----|-----|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 20 | 16 | 26 | 88 | 444 | 636 | 294 | 37 | 4 | 0 | 1 | 0 | 0 | 0 | 1566 |
|-------------|----|----|----|----|-----|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 42 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1080  
 Percent in Pace : 69.0%  
 Number of Vehicles > 35 MPH : 972  
 Percent of Vehicles > 35 MPH : 62.1%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

NB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/02/09   | 0       | 0        | 0        | 1        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| 01:00      | 0       | 0        | 0        | 0        | 0        | 0        | 1        | 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      | 0       | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 04:00      | 0       | 0        | 1        | 0        | 2        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 4     |
| 05:00      | 0       | 0        | 1        | 4        | 2        | 4        | 12       | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 06:00      | 0       | 1        | 1        | 5        | 6        | 10       | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 07:00      | 0       | 0        | 1        | 13       | 13       | 16       | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 52    |
| 08:00      | 3       | 2        | 3        | 2        | 9        | 23       | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 51    |
| 09:00      | 1       | 0        | 0        | 2        | 10       | 15       | 11       | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 40    |
| 10:00      | 0       | 0        | 1        | 3        | 5        | 11       | 3        | 3        | 0        | 0        | 0        | 0        | 0        | 0         | 26    |
| 11:00      | 0       | 0        | 0        | 3        | 5        | 9        | 10       | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 27    |
| 12 PM      | 0       | 0        | 1        | 0        | 7        | 16       | 8        | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 34    |
| 13:00      | 1       | 1        | 0        | 2        | 10       | 18       | 6        | 1        | 1        | 0        | 0        | 0        | 0        | 0         | 40    |
| 14:00      | 1       | 2        | 1        | 3        | 13       | 13       | 7        | 5        | 0        | 0        | 0        | 0        | 0        | 0         | 45    |
| 15:00      | 1       | 0        | 0        | 1        | 16       | 19       | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 43    |
| 16:00      | 1       | 0        | 0        | 4        | 12       | 19       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 40    |
| 17:00      | 0       | 0        | 1        | 4        | 14       | 14       | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 39    |
| 18:00      | 1       | 1        | 0        | 2        | 6        | 8        | 4        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 23    |
| 19:00      | 4       | 0        | 0        | 3        | 8        | 15       | 6        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 37    |
| 20:00      | 0       | 0        | 0        | 3        | 2        | 3        | 4        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 13    |
| 21:00      | 0       | 0        | 0        | 0        | 3        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 22:00      | 0       | 0        | 0        | 1        | 1        | 3        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 6     |
| 23:00      | 0       | 0        | 0        | 0        | 0        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| Total      | 13      | 7        | 11       | 56       | 144      | 219      | 106      | 23       | 4        | 0        | 0        | 0        | 0        | 0         | 583   |

Daily  
 15th Percentile : 30 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 43 MPH  
 95th Percentile : 45 MPH  
  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 363  
 Percent in Pace : 62.3%  
 Number of Vehicles > 35 MPH : 352  
 Percent of Vehicles > 35 MPH : 60.4%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

NB

| Start Time | 15 | 20 | 25 | 30 | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 0  | 1   | 1   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 4     |
| 01:00      | 0  | 0  | 0  | 0  | 0   | 2   | 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  | 1  | 1  | 0   | 1   | 3  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 7     |
| 05:00      | 0  | 0  | 1  | 1  | 2   | 11  | 0  | 4  | 0  | 0  | 0  | 0  | 0  | 0   | 19    |
| 06:00      | 0  | 2  | 1  | 4  | 9   | 8   | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 28    |
| 07:00      | 1  | 0  | 1  | 4  | 18  | 15  | 8  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 48    |
| 08:00      | 1  | 1  | 3  | 4  | 18  | 19  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 51    |
| 09:00      | 0  | 2  | 0  | 6  | 16  | 11  | 1  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 38    |
| 10:00      | 0  | 0  | 0  | 1  | 9   | 14  | 6  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 31    |
| 11:00      | 0  | 1  | 0  | 3  | 10  | 14  | 7  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 35    |
| 12 PM      | 1  | 0  | 1  | 4  | 13  | 16  | 8  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 44    |
| 13:00      | 3  | 3  | 0  | 3  | 10  | 13  | 6  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 39    |
| 14:00      | 2  | 1  | 2  | 3  | 10  | 15  | 9  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 42    |
| 15:00      | 0  | 0  | 1  | 2  | 16  | 25  | 4  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 49    |
| 16:00      | 1  | 1  | 1  | 6  | 20  | 20  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 52    |
| 17:00      | 1  | 1  | 1  | 4  | 12  | 12  | 2  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 35    |
| 18:00      | 0  | 0  | 1  | 4  | 17  | 12  | 5  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 40    |
| 19:00      | 1  | 0  | 0  | 1  | 7   | 11  | 3  | 0  | 0  | 2  | 0  | 0  | 0  | 0   | 25    |
| 20:00      | 0  | 0  | 1  | 2  | 8   | 8   | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 23    |
| 21:00      | 0  | 0  | 0  | 1  | 2   | 10  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 14    |
| 22:00      | 0  | 0  | 0  | 0  | 2   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 23:00      | 0  | 0  | 0  | 0  | 1   | 2   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 4     |
| Total      | 11 | 12 | 15 | 54 | 201 | 240 | 82 | 14 | 2  | 2  | 0  | 0  | 0  | 0   | 633   |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 41 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 441  
 Percent in Pace : 69.7%  
 Number of Vehicles > 35 MPH : 340  
 Percent of Vehicles > 35 MPH : 53.7%

|             |    |    |    |     |     |     |     |    |   |   |   |   |   |   |      |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 24 | 19 | 26 | 110 | 345 | 459 | 188 | 37 | 6 | 2 | 0 | 0 | 0 | 0 | 1216 |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 42 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 804  
 Percent in Pace : 66.1%  
 Number of Vehicles > 35 MPH : 692  
 Percent of Vehicles > 35 MPH : 56.9%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB, NB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 0  | 1   | 0   | 1   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 4     |
| 01:00      | 0  | 0  | 0  | 0   | 0   | 0   | 1   | 2  | 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   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 04:00      | 0  | 0  | 1  | 0   | 2   | 1   | 1   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 6     |
| 05:00      | 2  | 0  | 1  | 4   | 5   | 6   | 12  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 32    |
| 06:00      | 0  | 2  | 5  | 14  | 19  | 19  | 2   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 63    |
| 07:00      | 3  | 0  | 2  | 15  | 25  | 36  | 13  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 97    |
| 08:00      | 4  | 2  | 3  | 4   | 23  | 45  | 19  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 102   |
| 09:00      | 2  | 0  | 0  | 4   | 21  | 29  | 22  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 79    |
| 10:00      | 0  | 0  | 2  | 3   | 10  | 26  | 11  | 5  | 1  | 0  | 0  | 0  | 0  | 0   | 58    |
| 11:00      | 0  | 0  | 0  | 7   | 14  | 24  | 21  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 66    |
| 12 PM      | 0  | 0  | 1  | 5   | 17  | 36  | 19  | 4  | 1  | 0  | 0  | 0  | 0  | 0   | 83    |
| 13:00      | 2  | 3  | 0  | 3   | 23  | 34  | 15  | 3  | 1  | 0  | 0  | 0  | 0  | 0   | 84    |
| 14:00      | 1  | 2  | 4  | 7   | 26  | 32  | 24  | 8  | 0  | 0  | 0  | 0  | 0  | 0   | 104   |
| 15:00      | 2  | 1  | 1  | 1   | 38  | 56  | 21  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 122   |
| 16:00      | 1  | 0  | 0  | 7   | 40  | 52  | 21  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 124   |
| 17:00      | 0  | 0  | 2  | 7   | 38  | 47  | 21  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 117   |
| 18:00      | 1  | 2  | 1  | 4   | 25  | 29  | 18  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 81    |
| 19:00      | 5  | 0  | 0  | 3   | 14  | 27  | 15  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 65    |
| 20:00      | 0  | 1  | 0  | 10  | 4   | 15  | 9   | 1  | 2  | 0  | 0  | 0  | 0  | 0   | 42    |
| 21:00      | 0  | 0  | 1  | 0   | 9   | 12  | 5   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 27    |
| 22:00      | 0  | 0  | 0  | 2   | 2   | 10  | 0   | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 17    |
| 23:00      | 0  | 0  | 0  | 0   | 2   | 3   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 7     |
| Total      | 23 | 13 | 24 | 101 | 357 | 540 | 275 | 45 | 6  | 0  | 0  | 0  | 0  | 0   | 1384  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 43 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 897  
 Percent in Pace : 64.8%  
 Number of Vehicles > 35 MPH : 866  
 Percent of Vehicles > 35 MPH : 62.6%



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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB, NB

| Start Time | 15 | 20 | 25 | 30 | 35  | 40  | 45  | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 0  | 2   | 1   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 5     |
| 01:00      | 0  | 0  | 0  | 0  | 0   | 2   | 1   | 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      | 0  | 0  | 1  | 1  | 0   | 1   | 3   | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 7     |
| 05:00      | 0  | 0  | 1  | 3  | 2   | 13  | 1   | 4  | 0  | 0  | 0  | 0  | 0  | 0   | 24    |
| 06:00      | 0  | 2  | 3  | 7  | 21  | 20  | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 60    |
| 07:00      | 2  | 0  | 2  | 4  | 33  | 41  | 18  | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 102   |
| 08:00      | 2  | 1  | 3  | 6  | 31  | 31  | 10  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 85    |
| 09:00      | 1  | 3  | 2  | 6  | 21  | 17  | 6   | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 58    |
| 10:00      | 0  | 0  | 2  | 2  | 14  | 32  | 15  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 67    |
| 11:00      | 0  | 1  | 0  | 3  | 17  | 28  | 17  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 66    |
| 12 PM      | 2  | 1  | 1  | 5  | 24  | 32  | 13  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 80    |
| 13:00      | 6  | 5  | 3  | 5  | 18  | 32  | 14  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 84    |
| 14:00      | 2  | 1  | 2  | 5  | 22  | 34  | 22  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 91    |
| 15:00      | 0  | 2  | 3  | 6  | 34  | 55  | 18  | 3  | 0  | 0  | 0  | 0  | 0  | 0   | 121   |
| 16:00      | 3  | 1  | 2  | 18 | 46  | 53  | 12  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 137   |
| 17:00      | 1  | 1  | 1  | 9  | 47  | 48  | 10  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 119   |
| 18:00      | 0  | 1  | 1  | 10 | 40  | 43  | 12  | 2  | 0  | 0  | 1  | 0  | 0  | 0   | 110   |
| 19:00      | 2  | 1  | 0  | 4  | 22  | 36  | 6   | 1  | 1  | 2  | 0  | 0  | 0  | 0   | 75    |
| 20:00      | 0  | 1  | 1  | 2  | 17  | 14  | 9   | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 45    |
| 21:00      | 0  | 1  | 0  | 1  | 11  | 15  | 5   | 2  | 1  | 0  | 0  | 0  | 0  | 0   | 36    |
| 22:00      | 0  | 0  | 0  | 0  | 6   | 1   | 4   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 11    |
| 23:00      | 0  | 0  | 0  | 0  | 4   | 6   | 2   | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 12    |
| Total      | 21 | 22 | 28 | 97 | 432 | 555 | 207 | 29 | 4  | 2  | 1  | 0  | 0  | 0   | 1398  |

Daily  
 15th Percentile : 31 MPH  
 50th Percentile : 36 MPH  
 85th Percentile : 41 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 987  
 Percent in Pace : 70.6%  
 Number of Vehicles > 35 MPH : 798  
 Percent of Vehicles > 35 MPH : 57.1%

|             |    |    |    |     |     |      |     |    |    |   |   |   |   |   |      |
|-------------|----|----|----|-----|-----|------|-----|----|----|---|---|---|---|---|------|
| Grand Total | 44 | 35 | 52 | 198 | 789 | 1095 | 482 | 74 | 10 | 2 | 1 | 0 | 0 | 0 | 2782 |
|-------------|----|----|----|-----|-----|------|-----|----|----|---|---|---|---|---|------|

Overall  
 15th Percentile : 31 MPH  
 50th Percentile : 37 MPH  
 85th Percentile : 42 MPH  
 95th Percentile : 45 MPH  
 Mean Speed(Average) : 36 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1884  
 Percent in Pace : 67.7%  
 Number of Vehicles > 35 MPH : 1664  
 Percent of Vehicles > 35 MPH : 59.8%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 0     | 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     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 05:00      | 1     | 4               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 0           |
| 06:00      | 0     | 23              | 10          | 2     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 38    | 5           |
| 07:00      | 1     | 29              | 11          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 45    | 4           |
| 08:00      | 0     | 29              | 18          | 0     | 1             | 1             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 51    | 4           |
| 09:00      | 0     | 22              | 13          | 0     | 2             | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 39    | 4           |
| 10:00      | 0     | 19              | 10          | 0     | 1             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 32    | 3           |
| 11:00      | 0     | 25              | 12          | 1     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 39    | 2           |
| 12 PM      | 1     | 31              | 15          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 49    | 2           |
| 13:00      | 0     | 27              | 8           | 0     | 8             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 44    | 9           |
| 14:00      | 0     | 28              | 24          | 0     | 4             | 1             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 59    | 7           |
| 15:00      | 0     | 45              | 26          | 3     | 4             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 79    | 8           |
| 16:00      | 0     | 55              | 28          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 84    | 1           |
| 17:00      | 0     | 54              | 19          | 0     | 3             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 78    | 5           |
| 18:00      | 0     | 43              | 14          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 1           |
| 19:00      | 0     | 17              | 9           | 0     | 1             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 2           |
| 20:00      | 0     | 20              | 8           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 29    | 1           |
| 21:00      | 0     | 15              | 6           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 22    | 1           |
| 22:00      | 0     | 10              | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 1           |
| 23:00      | 0     | 1               | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 1           |
| Total      | 3     | 500             | 237         | 6     | 39            | 8             | 0             | 7             | 1             | 0             | 0            | 0            | 0            | 801   | 61          |
| Percent    | 0.4%  | 62.4%           | 29.6%       | 0.7%  | 4.9%          | 1.0%          | 0.0%          | 0.9%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 7.6%        |
| AM Peak    | 05:00 | 07:00           | 08:00       | 06:00 | 07:00         | 09:00         |               | 08:00         |               |               |              |              |              | 08:00 | 06:00       |
| Vol.       | 1     | 29              | 18          | 2     | 4             | 2             |               | 2             |               |               |              |              |              | 51    | 5           |
| PM Peak    | 12:00 | 16:00           | 16:00       | 15:00 | 13:00         | 13:00         |               | 17:00         | 14:00         |               |              |              |              | 16:00 | 13:00       |
| Vol.       | 1     | 55              | 28          | 3     | 8             | 1             |               | 2             | 1             |               |              |              |              | 84    | 9           |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

SB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 01:00       | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 02:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 03:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 04:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 05:00       | 0     | 0               | 3           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 2           |
| 06:00       | 0     | 24              | 6           | 2     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 32    | 2           |
| 07:00       | 0     | 36              | 15          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 54    | 3           |
| 08:00       | 1     | 23              | 8           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 34    | 2           |
| 09:00       | 1     | 12              | 7           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 20    | 0           |
| 10:00       | 0     | 20              | 14          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 36    | 2           |
| 11:00       | 0     | 20              | 8           | 0     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 31    | 3           |
| 12 PM       | 0     | 30              | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 36    | 0           |
| 13:00       | 2     | 25              | 17          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 45    | 1           |
| 14:00       | 0     | 28              | 18          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 49    | 3           |
| 15:00       | 0     | 44              | 21          | 2     | 4             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 72    | 7           |
| 16:00       | 2     | 48              | 30          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 85    | 5           |
| 17:00       | 0     | 63              | 18          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 84    | 3           |
| 18:00       | 0     | 48              | 17          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 70    | 5           |
| 19:00       | 0     | 37              | 7           | 0     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 50    | 6           |
| 20:00       | 0     | 12              | 10          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 22    | 0           |
| 21:00       | 0     | 16              | 4           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 22    | 2           |
| 22:00       | 0     | 7               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 8     | 0           |
| 23:00       | 0     | 5               | 2           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 8     | 1           |
| Total       | 6     | 499             | 213         | 4     | 41            | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 765   | 47          |
| Percent     | 0.8%  | 65.2%           | 27.8%       | 0.5%  | 5.4%          | 0.1%          | 0.0%          | 0.1%          | 0.0%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.1%        |
| AM Peak     | 08:00 | 07:00           | 07:00       | 06:00 | 07:00         |               |               | 11:00         |               |               |              |              |              | 07:00 | 07:00       |
| Vol.        | 1     | 36              | 15          | 2     | 3             |               |               | 1             |               |               |              |              |              | 54    | 3           |
| PM Peak     | 13:00 | 17:00           | 16:00       | 15:00 | 19:00         | 15:00         |               |               |               |               |              |              |              | 16:00 | 15:00       |
| Vol.        | 2     | 63              | 30          | 2     | 6             | 1             |               |               |               |               |              |              |              | 85    | 7           |
| Grand Total | 9     | 999             | 450         | 10    | 80            | 9             | 0             | 8             | 1             | 0             | 0            | 0            | 0            | 1566  | 108         |
| Percent     | 0.6%  | 63.8%           | 28.7%       | 0.6%  | 5.1%          | 0.6%          | 0.0%          | 0.5%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.9%        |



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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

| NB | Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|----|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|    | 12/03/09    | 0     | 4               | 0           | 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               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
|    | 04:00       | 0     | 5               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 0           |
|    | 05:00       | 0     | 8               | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 19    | 1           |
|    | 06:00       | 0     | 18              | 7           | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 3           |
|    | 07:00       | 0     | 30              | 15          | 0     | 2             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 48    | 3           |
|    | 08:00       | 1     | 38              | 9           | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 51    | 3           |
|    | 09:00       | 0     | 29              | 8           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 38    | 1           |
|    | 10:00       | 0     | 21              | 7           | 0     | 1             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 31    | 3           |
|    | 11:00       | 1     | 24              | 6           | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 35    | 4           |
|    | 12 PM       | 0     | 29              | 7           | 1     | 6             | 0             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 44    | 8           |
|    | 13:00       | 1     | 23              | 11          | 1     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 39    | 4           |
|    | 14:00       | 0     | 26              | 14          | 1     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 42    | 2           |
|    | 15:00       | 0     | 28              | 18          | 1     | 1             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 49    | 3           |
|    | 16:00       | 0     | 39              | 12          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 52    | 1           |
|    | 17:00       | 0     | 26              | 7           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 35    | 2           |
|    | 18:00       | 0     | 31              | 7           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 40    | 2           |
|    | 19:00       | 0     | 20              | 3           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 25    | 2           |
|    | 20:00       | 0     | 13              | 6           | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 23    | 4           |
|    | 21:00       | 0     | 11              | 1           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 14    | 2           |
|    | 22:00       | 0     | 3               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
|    | 23:00       | 0     | 3               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 1           |
|    | Total       | 3     | 430             | 151         | 6     | 37            | 1             | 0             | 4             | 1             | 0             | 0            | 0            | 0            | 633   | 49          |
|    | Percent     | 0.5%  | 67.9%           | 23.9%       | 0.9%  | 5.8%          | 0.2%          | 0.0%          | 0.6%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 7.7%        |
|    | AM Peak     | 08:00 | 08:00           | 07:00       | 06:00 | 11:00         | 07:00         |               | 10:00         |               |               |              |              |              | 08:00 | 11:00       |
|    | Vol.        | 1     | 38              | 15          | 1     | 4             | 1             |               | 2             |               |               |              |              |              | 51    | 4           |
|    | PM Peak     | 13:00 | 16:00           | 15:00       | 12:00 | 12:00         |               |               | 13:00         | 12:00         |               |              |              |              | 16:00 | 12:00       |
|    | Vol.        | 1     | 39              | 18          | 1     | 6             |               |               | 1             | 1             |               |              |              |              | 52    | 8           |
|    | Grand Total | 6     | 835             | 292         | 13    | 57            | 7             | 0             | 5             | 1             | 0             | 0            | 0            | 0            | 1216  | 83          |
|    | Percent     | 0.5%  | 68.7%           | 24.0%       | 1.1%  | 4.7%          | 0.6%          | 0.0%          | 0.4%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.8%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

| SB, NB  | Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|---------|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|         | 12/02/09   | 0     | 4               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
|         | 01:00      | 0     | 3               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
|         | 02:00      | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
|         | 03:00      | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|         | 04:00      | 0     | 3               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 0           |
|         | 05:00      | 1     | 16              | 13          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 32    | 2           |
|         | 06:00      | 0     | 35              | 22          | 3     | 2             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 63    | 6           |
|         | 07:00      | 1     | 59              | 30          | 0     | 5             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 97    | 7           |
|         | 08:00      | 1     | 65              | 26          | 1     | 4             | 3             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 102   | 10          |
|         | 09:00      | 0     | 50              | 24          | 0     | 2             | 3             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 79    | 5           |
|         | 10:00      | 0     | 35              | 16          | 1     | 3             | 2             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 58    | 7           |
|         | 11:00      | 0     | 45              | 17          | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 66    | 4           |
|         | 12 PM      | 1     | 56              | 22          | 1     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 83    | 4           |
|         | 13:00      | 0     | 59              | 13          | 1     | 10            | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 84    | 12          |
|         | 14:00      | 1     | 57              | 34          | 1     | 7             | 2             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 104   | 12          |
|         | 15:00      | 0     | 74              | 37          | 3     | 7             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 122   | 11          |
|         | 16:00      | 0     | 82              | 41          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 124   | 1           |
|         | 17:00      | 0     | 86              | 25          | 0     | 4             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 117   | 6           |
|         | 18:00      | 0     | 62              | 18          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 81    | 1           |
|         | 19:00      | 1     | 44              | 17          | 0     | 2             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 65    | 3           |
|         | 20:00      | 0     | 31              | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 42    | 1           |
|         | 21:00      | 0     | 20              | 6           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 27    | 1           |
|         | 22:00      | 0     | 16              | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 1           |
|         | 23:00      | 0     | 3               | 3           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 1           |
|         | Total      | 6     | 905             | 378         | 13    | 59            | 14            | 0             | 8             | 1             | 0             | 0            | 0            | 0            | 1384  | 95          |
|         | Percent    | 0.4%  | 65.4%           | 27.3%       | 0.9%  | 4.3%          | 1.0%          | 0.0%          | 0.6%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.9%        |
| AM Peak | 05:00      | 08:00 | 07:00           | 06:00       | 07:00 | 08:00         |               |               | 08:00         |               |               |              |              |              | 08:00 | 08:00       |
| Vol.    | 1          | 65    | 30              | 3           | 5     | 3             |               |               | 2             |               |               |              |              |              | 102   | 10          |
| PM Peak | 12:00      | 17:00 | 16:00           | 15:00       | 13:00 | 14:00         |               |               | 17:00         | 14:00         |               |              |              |              | 16:00 | 13:00       |
| Vol.    | 1          | 86    | 41              | 3           | 10    | 2             |               |               | 2             | 1             |               |              |              |              | 124   | 12          |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #1  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Congress St (14)

| SB, NB | Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|--------|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|        | 12/03/09    | 0     | 5               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 0           |
|        | 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     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
|        | 04:00       | 0     | 5               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 0           |
|        | 05:00       | 0     | 8               | 13          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 24    | 3           |
|        | 06:00       | 0     | 42              | 13          | 3     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 5           |
|        | 07:00       | 0     | 66              | 30          | 0     | 5             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 102   | 6           |
|        | 08:00       | 2     | 61              | 17          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 85    | 5           |
|        | 09:00       | 1     | 41              | 15          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 1           |
|        | 10:00       | 0     | 41              | 21          | 0     | 3             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 67    | 5           |
|        | 11:00       | 1     | 44              | 14          | 0     | 6             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 66    | 7           |
|        | 12 PM       | 0     | 59              | 13          | 1     | 6             | 0             | 0             | 0             | 1             | 0             | 0            | 0            | 0            | 80    | 8           |
|        | 13:00       | 3     | 48              | 28          | 1     | 3             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 84    | 5           |
|        | 14:00       | 0     | 54              | 32          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 91    | 5           |
|        | 15:00       | 0     | 72              | 39          | 3     | 5             | 1             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 121   | 10          |
|        | 16:00       | 2     | 87              | 42          | 0     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 137   | 6           |
|        | 17:00       | 0     | 89              | 25          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 119   | 5           |
|        | 18:00       | 0     | 79              | 24          | 0     | 7             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 110   | 7           |
|        | 19:00       | 0     | 57              | 10          | 0     | 8             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 75    | 8           |
|        | 20:00       | 0     | 25              | 16          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 45    | 4           |
|        | 21:00       | 0     | 27              | 5           | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 36    | 4           |
|        | 22:00       | 0     | 10              | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 0           |
|        | 23:00       | 0     | 8               | 2           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 2           |
|        | Total       | 9     | 929             | 364         | 10    | 78            | 2             | 0             | 5             | 1             | 0             | 0            | 0            | 0            | 1398  | 96          |
|        | Percent     | 0.6%  | 66.5%           | 26.0%       | 0.7%  | 5.6%          | 0.1%          | 0.0%          | 0.4%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.9%        |
|        | AM Peak     | 08:00 | 07:00           | 07:00       | 06:00 | 11:00         | 07:00         |               | 10:00         |               |               |              |              |              | 07:00 | 11:00       |
|        | Vol.        | 2     | 66              | 30          | 3     | 6             | 1             |               | 2             |               |               |              |              |              | 102   | 7           |
|        | PM Peak     | 13:00 | 17:00           | 16:00       | 15:00 | 19:00         | 15:00         |               | 13:00         | 12:00         |               |              |              |              | 16:00 | 15:00       |
|        | Vol.        | 3     | 89              | 42          | 3     | 8             | 1             |               | 1             | 1             |               |              |              |              | 137   | 10          |
|        | Grand Total | 15    | 1834            | 742         | 23    | 137           | 16            | 0             | 13            | 2             | 0             | 0            | 0            | 0            | 2782  | 191         |
|        | Percent     | 0.5%  | 65.9%           | 26.7%       | 0.8%  | 4.9%          | 0.6%          | 0.0%          | 0.5%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.9%        |

Old Colony Planning Council  
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 508-583-1833

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

| Start Time  | 30-Nov-09 |    | Tue |    | Wed   |       | Thu   |       | Fri |    | Sat |    | Sun |    | Week Average |       |
|-------------|-----------|----|-----|----|-------|-------|-------|-------|-----|----|-----|----|-----|----|--------------|-------|
|             | NB        | SB | NB  | SB | NB    | SB    | NB    | SB    | NB  | SB | NB  | SB | NB  | SB | NB           | SB    |
| 12:00 AM    | *         | *  | *   | *  | 0     | 1     | 2     | 1     | *   | *  | *   | *  | *   | *  | 1            | 1     |
| 01:00       | *         | *  | *   | *  | 2     | 1     | 1     | 0     | *   | *  | *   | *  | *   | *  | 2            | 0     |
| 02:00       | *         | *  | *   | *  | 0     | 0     | 1     | 1     | *   | *  | *   | *  | *   | *  | 0            | 0     |
| 03:00       | *         | *  | *   | *  | 2     | 0     | 0     | 0     | *   | *  | *   | *  | *   | *  | 1            | 0     |
| 04:00       | *         | *  | *   | *  | 2     | 2     | 2     | 0     | *   | *  | *   | *  | *   | *  | 2            | 1     |
| 05:00       | *         | *  | *   | *  | 12    | 5     | 12    | 1     | *   | *  | *   | *  | *   | *  | 12           | 3     |
| 06:00       | *         | *  | *   | *  | 16    | 14    | 15    | 13    | *   | *  | *   | *  | *   | *  | 16           | 14    |
| 07:00       | *         | *  | *   | *  | 27    | 28    | 26    | 31    | *   | *  | *   | *  | *   | *  | 26           | 30    |
| 08:00       | *         | *  | *   | *  | 33    | 23    | 26    | 23    | *   | *  | *   | *  | *   | *  | 30           | 23    |
| 09:00       | *         | *  | *   | *  | 20    | 18    | 26    | 7     | *   | *  | *   | *  | *   | *  | 23           | 12    |
| 10:00       | *         | *  | *   | *  | 19    | 18    | 15    | 20    | *   | *  | *   | *  | *   | *  | 17           | 19    |
| 11:00       | *         | *  | *   | *  | 16    | 24    | 24    | 19    | *   | *  | *   | *  | *   | *  | 20           | 22    |
| 12:00 PM    | *         | *  | *   | *  | 26    | 34    | 30    | 21    | *   | *  | *   | *  | *   | *  | 28           | 28    |
| 01:00       | *         | *  | *   | *  | 28    | 26    | 26    | 26    | *   | *  | *   | *  | *   | *  | 27           | 26    |
| 02:00       | *         | *  | *   | *  | 25    | 33    | 25    | 33    | *   | *  | *   | *  | *   | *  | 25           | 33    |
| 03:00       | *         | *  | *   | *  | 31    | 60    | 27    | 44    | *   | *  | *   | *  | *   | *  | 29           | 52    |
| 04:00       | *         | *  | *   | *  | 29    | 46    | 42    | 51    | *   | *  | *   | *  | *   | *  | 36           | 48    |
| 05:00       | *         | *  | *   | *  | 28    | 59    | 23    | 58    | *   | *  | *   | *  | *   | *  | 26           | 58    |
| 06:00       | *         | *  | *   | *  | 23    | 39    | 26    | 39    | *   | *  | *   | *  | *   | *  | 24           | 39    |
| 07:00       | *         | *  | *   | *  | 24    | 13    | 19    | 35    | *   | *  | *   | *  | *   | *  | 22           | 24    |
| 08:00       | *         | *  | *   | *  | 11    | 17    | 16    | 11    | *   | *  | *   | *  | *   | *  | 14           | 14    |
| 09:00       | *         | *  | *   | *  | 5     | 12    | 14    | 15    | *   | *  | *   | *  | *   | *  | 10           | 14    |
| 10:00       | *         | *  | *   | *  | 6     | 5     | 2     | 4     | *   | *  | *   | *  | *   | *  | 4            | 4     |
| 11:00       | *         | *  | *   | *  | 3     | 5     | 3     | 2     | *   | *  | *   | *  | *   | *  | 3            | 4     |
| Total       | 0         | 0  | 0   | 0  | 388   | 483   | 403   | 455   | 0   | 0  | 0   | 0  | 0   | 0  | 398          | 469   |
| Day         | 0         | 0  | 0   | 0  | 871   |       | 858   |       | 0   | 0  | 0   | 0  | 0   | 0  | 867          |       |
| AM Peak     |           |    |     |    | 08:00 | 07:00 | 07:00 | 07:00 |     |    |     |    |     |    | 08:00        | 07:00 |
| Vol.        |           |    |     |    | 33    | 28    | 26    | 31    |     |    |     |    |     |    | 30           | 30    |
| PM Peak     |           |    |     |    | 15:00 | 15:00 | 16:00 | 17:00 |     |    |     |    |     |    | 16:00        | 17:00 |
| Vol.        |           |    |     |    | 31    | 60    | 42    | 58    |     |    |     |    |     |    | 36           | 58    |
| Comb. Total | 0         | 0  | 0   | 0  | 871   |       | 858   |       | 0   | 0  | 0   | 0  | 0   | 0  | 867          |       |



Old Colony Planning Council  
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Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

| Start Time | 30-Nov-09<br>Mon | 01-Dec-09<br>Tue | 02-Dec-09<br>Wed | 03-Dec-09<br>Thu | 04-Dec-09<br>Fri | 05-Dec-09<br>Sat | 06-Dec-09<br>Sun | Week<br>Average |
|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|
| 12:00 AM   | *                | *                | 1                | 3                | *                | *                | *                | 2               |
| 01:00      | *                | *                | 3                | 1                | *                | *                | *                | 2               |
| 02:00      | *                | *                | 0                | 2                | *                | *                | *                | 1               |
| 03:00      | *                | *                | 2                | 0                | *                | *                | *                | 1               |
| 04:00      | *                | *                | 4                | 2                | *                | *                | *                | 3               |
| 05:00      | *                | *                | 17               | 13               | *                | *                | *                | 15              |
| 06:00      | *                | *                | 30               | 28               | *                | *                | *                | 29              |
| 07:00      | *                | *                | 55               | 57               | *                | *                | *                | 56              |
| 08:00      | *                | *                | 56               | 49               | *                | *                | *                | 52              |
| 09:00      | *                | *                | 38               | 33               | *                | *                | *                | 36              |
| 10:00      | *                | *                | 37               | 35               | *                | *                | *                | 36              |
| 11:00      | *                | *                | 40               | 43               | *                | *                | *                | 42              |
| 12:00 PM   | *                | *                | 60               | 51               | *                | *                | *                | 56              |
| 01:00      | *                | *                | 54               | 52               | *                | *                | *                | 53              |
| 02:00      | *                | *                | 58               | 58               | *                | *                | *                | 58              |
| 03:00      | *                | *                | 91               | 71               | *                | *                | *                | 81              |
| 04:00      | *                | *                | 75               | 93               | *                | *                | *                | 84              |
| 05:00      | *                | *                | 87               | 81               | *                | *                | *                | 84              |
| 06:00      | *                | *                | 62               | 65               | *                | *                | *                | 64              |
| 07:00      | *                | *                | 37               | 54               | *                | *                | *                | 46              |
| 08:00      | *                | *                | 28               | 27               | *                | *                | *                | 28              |
| 09:00      | *                | *                | 17               | 29               | *                | *                | *                | 23              |
| 10:00      | *                | *                | 11               | 6                | *                | *                | *                | 8               |
| 11:00      | *                | *                | 8                | 5                | *                | *                | *                | 6               |
| Total      | 0                | 0                | 871              | 858              | 0                | 0                | 0                | 866             |
| Percentage | 0.0%             | 0.0%             | 100.6%           | 99.1%            | 0.0%             | 0.0%             | 0.0%             |                 |
| AM Peak    |                  |                  | 08:00            | 07:00            |                  |                  |                  | 07:00           |
| Vol.       |                  |                  | 56               | 57               |                  |                  |                  | 56              |
| PM Peak    |                  |                  | 15:00            | 16:00            |                  |                  |                  | 16:00           |
| Vol.       |                  |                  | 91               | 93               |                  |                  |                  | 84              |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

NB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/02/09   | 0       | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 0     |
| 01:00      | 0       | 0        | 0        | 0        | 0        | 1        | 1        | 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        | 1        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 04:00      | 0       | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 2     |
| 05:00      | 0       | 0        | 0        | 1        | 3        | 6        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 12    |
| 06:00      | 1       | 1        | 1        | 5        | 4        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 16    |
| 07:00      | 0       | 0        | 1        | 4        | 10       | 9        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 27    |
| 08:00      | 0       | 1        | 0        | 2        | 10       | 16       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 33    |
| 09:00      | 0       | 0        | 0        | 3        | 5        | 7        | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 20    |
| 10:00      | 0       | 0        | 2        | 2        | 5        | 6        | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 19    |
| 11:00      | 0       | 0        | 0        | 2        | 5        | 8        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 16    |
| 12 PM      | 0       | 0        | 0        | 1        | 12       | 5        | 6        | 2        | 0        | 0        | 0        | 0        | 0        | 0         | 26    |
| 13:00      | 0       | 1        | 0        | 4        | 10       | 7        | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 28    |
| 14:00      | 0       | 0        | 2        | 2        | 9        | 9        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 25    |
| 15:00      | 2       | 0        | 3        | 2        | 10       | 11       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 31    |
| 16:00      | 0       | 0        | 0        | 6        | 11       | 11       | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 29    |
| 17:00      | 0       | 0        | 0        | 3        | 13       | 10       | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 28    |
| 18:00      | 1       | 0        | 1        | 3        | 9        | 7        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 23    |
| 19:00      | 0       | 0        | 2        | 3        | 8        | 6        | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 24    |
| 20:00      | 0       | 0        | 0        | 0        | 5        | 4        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 11    |
| 21:00      | 0       | 0        | 0        | 0        | 1        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 22:00      | 0       | 0        | 1        | 1        | 2        | 1        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 6     |
| 23:00      | 0       | 0        | 0        | 0        | 2        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 3     |
| Total      | 4       | 3        | 14       | 45       | 134      | 134      | 47       | 6        | 1        | 0        | 0        | 0        | 0        | 0         | 388   |

Daily  
 15th Percentile : 30 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 268  
 Percent in Pace : 69.1%  
 Number of Vehicles > 35 MPH : 188  
 Percent of Vehicles > 35 MPH : 48.5%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

NB

| Start Time | 15 | 20 | 25 | 30 | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 0  | 0   | 1   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 01:00      | 0  | 0  | 0  | 0  | 0   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 02:00      | 0  | 0  | 0  | 0  | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 03:00      | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     |
| 04:00      | 0  | 0  | 0  | 0  | 0   | 0   | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 1  | 0  | 0  | 0  | 2   | 5   | 2  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 12    |
| 06:00      | 0  | 1  | 0  | 3  | 2   | 8   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 15    |
| 07:00      | 0  | 0  | 0  | 5  | 7   | 9   | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 26    |
| 08:00      | 0  | 1  | 0  | 0  | 13  | 7   | 4  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 26    |
| 09:00      | 1  | 1  | 0  | 1  | 11  | 8   | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 26    |
| 10:00      | 0  | 0  | 0  | 1  | 3   | 8   | 2  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 15    |
| 11:00      | 0  | 3  | 1  | 2  | 11  | 5   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 24    |
| 12 PM      | 0  | 0  | 0  | 1  | 15  | 9   | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 30    |
| 13:00      | 1  | 2  | 1  | 3  | 5   | 10  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 26    |
| 14:00      | 0  | 0  | 1  | 3  | 9   | 6   | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 25    |
| 15:00      | 0  | 0  | 0  | 6  | 11  | 8   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 27    |
| 16:00      | 1  | 0  | 3  | 9  | 19  | 8   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 42    |
| 17:00      | 0  | 0  | 1  | 3  | 8   | 10  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 23    |
| 18:00      | 0  | 0  | 2  | 4  | 8   | 10  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 26    |
| 19:00      | 0  | 1  | 0  | 1  | 8   | 5   | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 19    |
| 20:00      | 0  | 1  | 0  | 0  | 7   | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 16    |
| 21:00      | 0  | 0  | 0  | 4  | 3   | 5   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 14    |
| 22:00      | 0  | 0  | 0  | 1  | 0   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 23:00      | 0  | 0  | 0  | 1  | 0   | 0   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| Total      | 4  | 10 | 9  | 48 | 143 | 130 | 51 | 7  | 1  | 0  | 0  | 0  | 0  | 0   | 403   |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 273  
 Percent in Pace : 67.7%  
 Number of Vehicles > 35 MPH : 189  
 Percent of Vehicles > 35 MPH : 46.9%

|             |   |    |    |    |     |     |    |    |   |   |   |   |   |   |     |
|-------------|---|----|----|----|-----|-----|----|----|---|---|---|---|---|---|-----|
| Grand Total | 8 | 13 | 23 | 93 | 277 | 264 | 98 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 791 |
|-------------|---|----|----|----|-----|-----|----|----|---|---|---|---|---|---|-----|

Overall  
 15th Percentile : 30 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 541  
 Percent in Pace : 68.4%  
 Number of Vehicles > 35 MPH : 377  
 Percent of Vehicles > 35 MPH : 47.7%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

SB

| Start Time | 1<br>15 | 16<br>20 | 21<br>25 | 26<br>30 | 31<br>35 | 36<br>40 | 41<br>45 | 46<br>50 | 51<br>55 | 56<br>60 | 61<br>65 | 66<br>70 | 71<br>75 | 76<br>999 | Total |
|------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------|
| 12/02/09   | 0       | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 1     |
| 01:00      | 0       | 0        | 0        | 0        | 0        | 0        | 1        | 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      | 0       | 0        | 1        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 2     |
| 05:00      | 0       | 0        | 0        | 1        | 1        | 2        | 0        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 06:00      | 1       | 0        | 1        | 3        | 4        | 3        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 14    |
| 07:00      | 0       | 0        | 0        | 2        | 7        | 16       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 28    |
| 08:00      | 0       | 0        | 1        | 2        | 9        | 8        | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 23    |
| 09:00      | 0       | 0        | 0        | 3        | 6        | 5        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 18    |
| 10:00      | 0       | 1        | 0        | 4        | 5        | 6        | 1        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 18    |
| 11:00      | 0       | 0        | 1        | 5        | 6        | 8        | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 24    |
| 12 PM      | 1       | 0        | 3        | 10       | 9        | 10       | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 34    |
| 13:00      | 0       | 1        | 1        | 7        | 5        | 8        | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 26    |
| 14:00      | 0       | 1        | 1        | 2        | 9        | 13       | 6        | 0        | 1        | 0        | 0        | 0        | 0        | 0         | 33    |
| 15:00      | 1       | 1        | 1        | 6        | 18       | 29       | 4        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 60    |
| 16:00      | 0       | 1        | 0        | 5        | 21       | 13       | 5        | 1        | 0        | 0        | 0        | 0        | 0        | 0         | 46    |
| 17:00      | 0       | 0        | 0        | 10       | 30       | 14       | 5        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 59    |
| 18:00      | 1       | 0        | 2        | 8        | 10       | 15       | 3        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 39    |
| 19:00      | 0       | 0        | 0        | 2        | 5        | 6        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 13    |
| 20:00      | 0       | 0        | 0        | 4        | 6        | 7        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 17    |
| 21:00      | 0       | 0        | 0        | 1        | 4        | 5        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 12    |
| 22:00      | 0       | 0        | 0        | 1        | 3        | 1        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| 23:00      | 0       | 0        | 0        | 1        | 2        | 0        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 5     |
| Total      | 4       | 5        | 12       | 77       | 160      | 170      | 49       | 4        | 2        | 0        | 0        | 0        | 0        | 0         | 483   |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 330  
 Percent in Pace : 68.3%  
 Number of Vehicles > 35 MPH : 225  
 Percent of Vehicles > 35 MPH : 46.6%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

SB

| Start Time | 15 | 20 | 25 | 30 | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 0  | 0   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 01:00      | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     |
| 02:00      | 0  | 0  | 0  | 1  | 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      | 0  | 0  | 0  | 0  | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     |
| 05:00      | 0  | 0  | 0  | 0  | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 06:00      | 0  | 0  | 0  | 3  | 5   | 4   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 13    |
| 07:00      | 0  | 0  | 1  | 2  | 10  | 14  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 31    |
| 08:00      | 0  | 0  | 1  | 7  | 5   | 9   | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 23    |
| 09:00      | 0  | 0  | 0  | 1  | 3   | 3   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 7     |
| 10:00      | 0  | 0  | 1  | 2  | 3   | 12  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 20    |
| 11:00      | 0  | 1  | 0  | 5  | 6   | 7   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 19    |
| 12 PM      | 0  | 0  | 1  | 3  | 9   | 5   | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 21    |
| 13:00      | 2  | 0  | 1  | 2  | 11  | 10  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 26    |
| 14:00      | 0  | 0  | 4  | 5  | 8   | 12  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 33    |
| 15:00      | 0  | 1  | 2  | 7  | 15  | 16  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 44    |
| 16:00      | 0  | 1  | 1  | 8  | 24  | 14  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 51    |
| 17:00      | 0  | 0  | 1  | 10 | 27  | 17  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 58    |
| 18:00      | 0  | 0  | 0  | 6  | 19  | 11  | 1  | 1  | 0  | 1  | 0  | 0  | 0  | 0   | 39    |
| 19:00      | 1  | 0  | 1  | 6  | 14  | 11  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 35    |
| 20:00      | 0  | 0  | 0  | 0  | 5   | 5   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 11    |
| 21:00      | 0  | 0  | 0  | 3  | 4   | 4   | 2  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 15    |
| 22:00      | 0  | 0  | 0  | 1  | 2   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 4     |
| 23:00      | 0  | 0  | 0  | 0  | 1   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| Total      | 3  | 3  | 14 | 72 | 172 | 156 | 28 | 6  | 0  | 1  | 0  | 0  | 0  | 0   | 455   |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 34 MPH  
 85th Percentile : 39 MPH  
 95th Percentile : 42 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 328  
 Percent in Pace : 72.1%  
 Number of Vehicles > 35 MPH : 191  
 Percent of Vehicles > 35 MPH : 42.0%

|             |   |   |    |     |     |     |    |    |   |   |   |   |   |   |     |
|-------------|---|---|----|-----|-----|-----|----|----|---|---|---|---|---|---|-----|
| Grand Total | 7 | 8 | 26 | 149 | 332 | 326 | 77 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 938 |
|-------------|---|---|----|-----|-----|-----|----|----|---|---|---|---|---|---|-----|

Overall  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 43 MPH  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 658  
 Percent in Pace : 70.1%  
 Number of Vehicles > 35 MPH : 416  
 Percent of Vehicles > 35 MPH : 44.3%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

NB, SB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/02/09   | 0  | 0  | 0  | 0   | 0   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 01:00      | 0  | 0  | 0  | 0   | 0   | 1   | 2  | 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  | 1   | 0   | 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 04:00      | 0  | 0  | 2  | 0   | 0   | 0   | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 4     |
| 05:00      | 0  | 0  | 0  | 2   | 4   | 8   | 2  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 17    |
| 06:00      | 2  | 1  | 2  | 8   | 8   | 7   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 30    |
| 07:00      | 0  | 0  | 1  | 6   | 17  | 25  | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 55    |
| 08:00      | 0  | 1  | 1  | 4   | 19  | 24  | 7  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 56    |
| 09:00      | 0  | 0  | 0  | 6   | 11  | 12  | 9  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 38    |
| 10:00      | 0  | 1  | 2  | 6   | 10  | 12  | 4  | 1  | 1  | 0  | 0  | 0  | 0  | 0   | 37    |
| 11:00      | 0  | 0  | 1  | 7   | 11  | 16  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 40    |
| 12 PM      | 1  | 0  | 3  | 11  | 21  | 15  | 7  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 60    |
| 13:00      | 0  | 2  | 1  | 11  | 15  | 15  | 8  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 54    |
| 14:00      | 0  | 1  | 3  | 4   | 18  | 22  | 9  | 0  | 1  | 0  | 0  | 0  | 0  | 0   | 58    |
| 15:00      | 3  | 1  | 4  | 8   | 28  | 40  | 7  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 91    |
| 16:00      | 0  | 1  | 0  | 11  | 32  | 24  | 6  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 75    |
| 17:00      | 0  | 0  | 0  | 13  | 43  | 24  | 6  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 87    |
| 18:00      | 2  | 0  | 3  | 11  | 19  | 22  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 62    |
| 19:00      | 0  | 0  | 2  | 5   | 13  | 12  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 37    |
| 20:00      | 0  | 0  | 0  | 4   | 11  | 11  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 28    |
| 21:00      | 0  | 0  | 0  | 1   | 5   | 9   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 17    |
| 22:00      | 0  | 0  | 1  | 2   | 5   | 2   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 11    |
| 23:00      | 0  | 0  | 0  | 1   | 4   | 1   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 8     |
| Total      | 8  | 8  | 26 | 122 | 294 | 304 | 96 | 10 | 3  | 0  | 0  | 0  | 0  | 0   | 871   |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 598  
 Percent in Pace : 68.7%  
 Number of Vehicles > 35 MPH : 413  
 Percent of Vehicles > 35 MPH : 47.4%

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

NB, SB

| Start Time | 15 | 20 | 25 | 30  | 35  | 40  | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 999 | Total |
|------------|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|-----|-------|
| 12/03/09   | 0  | 0  | 0  | 0   | 0   | 2   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 3     |
| 01:00      | 0  | 0  | 0  | 0   | 0   | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1     |
| 02:00      | 0  | 0  | 0  | 1   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 03:00      | 0  | 0  | 0  | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     |
| 04:00      | 0  | 0  | 0  | 0   | 0   | 0   | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 2     |
| 05:00      | 1  | 0  | 0  | 0   | 3   | 5   | 2  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 13    |
| 06:00      | 0  | 1  | 0  | 6   | 7   | 12  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 28    |
| 07:00      | 0  | 0  | 1  | 7   | 17  | 23  | 8  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 57    |
| 08:00      | 0  | 1  | 1  | 7   | 18  | 16  | 4  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 49    |
| 09:00      | 1  | 1  | 0  | 2   | 14  | 11  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 33    |
| 10:00      | 0  | 0  | 1  | 3   | 6   | 20  | 4  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 35    |
| 11:00      | 0  | 4  | 1  | 7   | 17  | 12  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 43    |
| 12 PM      | 0  | 0  | 1  | 4   | 24  | 14  | 8  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 51    |
| 13:00      | 3  | 2  | 2  | 5   | 16  | 20  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 52    |
| 14:00      | 0  | 0  | 5  | 8   | 17  | 18  | 9  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 58    |
| 15:00      | 0  | 1  | 2  | 13  | 26  | 24  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 71    |
| 16:00      | 1  | 1  | 4  | 17  | 43  | 22  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 93    |
| 17:00      | 0  | 0  | 2  | 13  | 35  | 27  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 81    |
| 18:00      | 0  | 0  | 2  | 10  | 27  | 21  | 2  | 1  | 1  | 1  | 0  | 0  | 0  | 0   | 65    |
| 19:00      | 1  | 1  | 1  | 7   | 22  | 16  | 5  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 54    |
| 20:00      | 0  | 1  | 0  | 0   | 12  | 13  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 27    |
| 21:00      | 0  | 0  | 0  | 7   | 7   | 9   | 4  | 2  | 0  | 0  | 0  | 0  | 0  | 0   | 29    |
| 22:00      | 0  | 0  | 0  | 2   | 2   | 0   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 6     |
| 23:00      | 0  | 0  | 0  | 1   | 1   | 1   | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 5     |
| Total      | 7  | 13 | 23 | 120 | 315 | 286 | 79 | 13 | 1  | 1  | 0  | 0  | 0  | 0   | 858   |

Daily  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 34 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 601  
 Percent in Pace : 70.0%  
 Number of Vehicles > 35 MPH : 380  
 Percent of Vehicles > 35 MPH : 44.3%

|             |    |    |    |     |     |     |     |    |   |   |   |   |   |   |      |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|
| Grand Total | 15 | 21 | 49 | 242 | 609 | 590 | 175 | 23 | 4 | 1 | 0 | 0 | 0 | 0 | 1729 |
|-------------|----|----|----|-----|-----|-----|-----|----|---|---|---|---|---|---|------|

Overall  
 15th Percentile : 29 MPH  
 50th Percentile : 35 MPH  
 85th Percentile : 40 MPH  
 95th Percentile : 44 MPH  
  
 Mean Speed(Average) : 35 MPH  
 10 MPH Pace Speed : 31-40 MPH  
 Number in Pace : 1199  
 Percent in Pace : 69.3%  
 Number of Vehicles > 35 MPH : 793  
 Percent of Vehicles > 35 MPH : 45.9%







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

Community: Pembroke  
Com #\_U/RFC: 231\_U0  
Recorder #: Jamar #2  
Tube Layout: L6 Basic (2')

Station ID:  
Site Code: 231  
Date Start: 02-Dec-09  
Date End: 03-Dec-09  
Taylor St, north of Washington St (53)

SB

| Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/02/09   | 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     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
| 05:00      | 0     | 4               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 0           |
| 06:00      | 1     | 6               | 5           | 1     | 0             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 14    | 2           |
| 07:00      | 0     | 25              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 0           |
| 08:00      | 0     | 12              | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 23    | 1           |
| 09:00      | 0     | 12              | 5           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 18    | 1           |
| 10:00      | 0     | 13              | 4           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 18    | 1           |
| 11:00      | 0     | 16              | 7           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 24    | 1           |
| 12 PM      | 0     | 23              | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 34    | 1           |
| 13:00      | 0     | 16              | 5           | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 26    | 5           |
| 14:00      | 0     | 13              | 16          | 0     | 2             | 0             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 33    | 4           |
| 15:00      | 0     | 38              | 15          | 3     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 7           |
| 16:00      | 0     | 34              | 11          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 46    | 1           |
| 17:00      | 0     | 42              | 16          | 0     | 0             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 59    | 1           |
| 18:00      | 0     | 34              | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 39    | 0           |
| 19:00      | 0     | 8               | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 0           |
| 20:00      | 0     | 14              | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 0           |
| 21:00      | 0     | 11              | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 12    | 0           |
| 22:00      | 0     | 4               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 0           |
| 23:00      | 0     | 3               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 0           |
| Total      | 1     | 331             | 126         | 4     | 17            | 0             | 0             | 3             | 1             | 0             | 0            | 0            | 0            | 483   | 25          |
| Percent    | 0.2%  | 68.5%           | 26.1%       | 0.8%  | 3.5%          | 0.0%          | 0.0%          | 0.6%          | 0.2%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.2%        |
| AM Peak    | 06:00 | 07:00           | 08:00       | 06:00 | 08:00         |               |               | 06:00         |               |               |              |              |              | 07:00 | 06:00       |
| Vol.       | 1     | 25              | 10          | 1     | 1             |               |               | 1             |               |               |              |              |              | 28    | 2           |
| PM Peak    |       | 17:00           | 14:00       | 15:00 | 13:00         |               |               | 14:00         | 14:00         |               |              |              |              | 15:00 | 15:00       |
| Vol.       |       | 42              | 16          | 3     | 5             |               |               | 1             | 1             |               |              |              |              | 60    | 7           |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

SB

| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
| 12/03/09    | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 01:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 02:00       | 0     | 0               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
| 03:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 04:00       | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
| 05:00       | 0     | 0               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 1           |
| 06:00       | 0     | 7               | 5           | 1     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 1           |
| 07:00       | 0     | 22              | 9           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 31    | 0           |
| 08:00       | 0     | 16              | 5           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 23    | 2           |
| 09:00       | 0     | 4               | 2           | 0     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 7     | 1           |
| 10:00       | 0     | 11              | 9           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 20    | 0           |
| 11:00       | 0     | 13              | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 19    | 0           |
| 12 PM       | 0     | 15              | 6           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 21    | 0           |
| 13:00       | 1     | 17              | 7           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 26    | 1           |
| 14:00       | 0     | 21              | 11          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 33    | 1           |
| 15:00       | 1     | 27              | 13          | 2     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 44    | 3           |
| 16:00       | 0     | 35              | 14          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 51    | 2           |
| 17:00       | 0     | 44              | 14          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 0           |
| 18:00       | 0     | 28              | 8           | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 39    | 3           |
| 19:00       | 0     | 24              | 5           | 0     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 35    | 6           |
| 20:00       | 0     | 6               | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 0           |
| 21:00       | 0     | 11              | 4           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 15    | 0           |
| 22:00       | 0     | 3               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
| 23:00       | 0     | 1               | 0           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 1           |
| Total       | 2     | 306             | 125         | 3     | 18            | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 455   | 22          |
| Percent     | 0.4%  | 67.3%           | 27.5%       | 0.7%  | 4.0%          | 0.2%          | 0.0%          | 0.0%          | 0.0%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 4.8%        |
| AM Peak     |       | 07:00           | 07:00       | 06:00 | 08:00         | 09:00         |               |               |               |               |              |              |              | 07:00 | 08:00       |
| Vol.        |       | 22              | 9           | 1     | 2             | 1             |               |               |               |               |              |              |              | 31    | 2           |
| PM Peak     |       | 13:00           | 17:00       | 16:00 | 15:00         | 19:00         |               |               |               |               |              |              |              | 17:00 | 19:00       |
| Vol.        |       | 1               | 44          | 14    | 2             | 6             |               |               |               |               |              |              |              | 58    | 6           |
| Grand Total | 3     | 637             | 251         | 7     | 35            | 1             | 0             | 3             | 1             | 0             | 0            | 0            | 0            | 938   | 47          |
| Percent     | 0.3%  | 67.9%           | 26.8%       | 0.7%  | 3.7%          | 0.1%          | 0.0%          | 0.3%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.0%        |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

| NB, SB | Start Time | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |
|--------|------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|
|        | 12/02/09   | 0     | 1               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 1     | 0           |
|        | 01:00      | 0     | 3               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 3     | 0           |
|        | 02:00      | 0     | 0               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 0     | 0           |
|        | 03:00      | 0     | 1               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |
|        | 04:00      | 0     | 2               | 2           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 4     | 0           |
|        | 05:00      | 0     | 11              | 5           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 1           |
|        | 06:00      | 1     | 14              | 11          | 2     | 0             | 0             | 0             | 2             | 0             | 0             | 0            | 0            | 0            | 30    | 4           |
|        | 07:00      | 0     | 40              | 14          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 55    | 1           |
|        | 08:00      | 1     | 33              | 17          | 1     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 56    | 5           |
|        | 09:00      | 0     | 27              | 9           | 0     | 1             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 38    | 2           |
|        | 10:00      | 0     | 28              | 6           | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 37    | 3           |
|        | 11:00      | 0     | 25              | 13          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 40    | 2           |
|        | 12 PM      | 0     | 44              | 15          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 60    | 1           |
|        | 13:00      | 0     | 36              | 11          | 1     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 54    | 7           |
|        | 14:00      | 1     | 29              | 24          | 0     | 2             | 0             | 0             | 1             | 1             | 0             | 0            | 0            | 0            | 58    | 4           |
|        | 15:00      | 0     | 60              | 22          | 3     | 6             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 91    | 9           |
|        | 16:00      | 0     | 52              | 22          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 75    | 1           |
|        | 17:00      | 0     | 67              | 19          | 0     | 0             | 0             | 0             | 1             | 0             | 0             | 0            | 0            | 0            | 87    | 1           |
|        | 18:00      | 0     | 53              | 8           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 62    | 1           |
|        | 19:00      | 0     | 24              | 13          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 37    | 0           |
|        | 20:00      | 0     | 23              | 5           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 0           |
|        | 21:00      | 0     | 16              | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 17    | 0           |
|        | 22:00      | 0     | 10              | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 11    | 0           |
|        | 23:00      | 0     | 5               | 3           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 8     | 0           |
|        | Total      | 3     | 604             | 222         | 8     | 28            | 1             | 0             | 4             | 1             | 0             | 0            | 0            | 0            | 871   | 42          |
|        | Percent    | 0.3%  | 69.3%           | 25.5%       | 0.9%  | 3.2%          | 0.1%          | 0.0%          | 0.5%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 4.8%        |
|        | AM Peak    | 06:00 | 07:00           | 08:00       | 06:00 | 08:00         | 09:00         |               | 06:00         |               |               |              |              |              | 08:00 | 08:00       |
|        | Vol.       | 1     | 40              | 17          | 2     | 4             | 1             |               | 2             |               |               |              |              |              | 56    | 5           |
|        | PM Peak    | 14:00 | 17:00           | 14:00       | 15:00 | 13:00         |               |               | 14:00         | 14:00         |               |              |              |              | 15:00 | 15:00       |
|        | Vol.       | 1     | 67              | 24          | 3     | 6             |               |               | 1             | 1             |               |              |              |              | 91    | 9           |

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

Community: Pembroke  
 Com #\_U/RFC: 231\_U0  
 Recorder #: Jamar #2  
 Tube Layout: L6 Basic (2')

Station ID:  
 Site Code: 231  
 Date Start: 02-Dec-09  
 Date End: 03-Dec-09  
 Taylor St, north of Washington St (53)

| NB, SB      |       |                 |             |       |               |               |               |               |               |               |              |              |              |       |             |  |
|-------------|-------|-----------------|-------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|-------|-------------|--|
| Start Time  | Bikes | Cars & Trailers | 2 Axle Long | Buses | 2 Axle 6 Tire | 3 Axle Single | 4 Axle Single | <5 Axl Double | 5 Axle Double | >6 Axl Double | <6 Axl Multi | 6 Axle Multi | >6 Axl Multi | Total | Truck Total |  |
| 12/03/09    | 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               | 2           | 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     | 2               | 0           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 2     | 0           |  |
| 05:00       | 1     | 6               | 4           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 13    | 2           |  |
| 06:00       | 0     | 15              | 9           | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 28    | 4           |  |
| 07:00       | 0     | 37              | 19          | 0     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 57    | 1           |  |
| 08:00       | 0     | 31              | 12          | 1     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 49    | 6           |  |
| 09:00       | 0     | 25              | 7           | 0     | 0             | 1             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 33    | 1           |  |
| 10:00       | 0     | 21              | 13          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 35    | 1           |  |
| 11:00       | 1     | 31              | 10          | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 43    | 1           |  |
| 12 PM       | 0     | 37              | 10          | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 51    | 4           |  |
| 13:00       | 1     | 32              | 16          | 1     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 52    | 3           |  |
| 14:00       | 0     | 37              | 19          | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 58    | 2           |  |
| 15:00       | 1     | 45              | 21          | 2     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 71    | 4           |  |
| 16:00       | 1     | 67              | 22          | 0     | 3             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 93    | 3           |  |
| 17:00       | 0     | 62              | 19          | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 81    | 0           |  |
| 18:00       | 0     | 47              | 13          | 0     | 5             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 65    | 5           |  |
| 19:00       | 0     | 37              | 9           | 0     | 8             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 54    | 8           |  |
| 20:00       | 0     | 15              | 8           | 0     | 4             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 27    | 4           |  |
| 21:00       | 0     | 21              | 6           | 0     | 2             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 29    | 2           |  |
| 22:00       | 0     | 5               | 1           | 0     | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 6     | 0           |  |
| 23:00       | 0     | 3               | 1           | 0     | 1             | 0             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 5     | 1           |  |
| Total       | 5     | 580             | 221         | 6     | 44            | 2             | 0             | 0             | 0             | 0             | 0            | 0            | 0            | 858   | 52          |  |
| Percent     | 0.6%  | 67.6%           | 25.8%       | 0.7%  | 5.1%          | 0.2%          | 0.0%          | 0.0%          | 0.0%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 6.1%        |  |
| AM Peak     | 05:00 | 07:00           | 07:00       | 06:00 | 08:00         | 07:00         |               |               |               |               |              |              |              | 07:00 | 08:00       |  |
| Vol.        | 1     | 37              | 19          | 2     | 5             | 1             |               |               |               |               |              |              |              | 57    | 6           |  |
| PM Peak     | 13:00 | 16:00           | 16:00       | 15:00 | 19:00         |               |               |               |               |               |              |              |              | 16:00 | 19:00       |  |
| Vol.        | 1     | 67              | 22          | 2     | 8             |               |               |               |               |               |              |              |              | 93    | 8           |  |
| Grand Total | 8     | 1184            | 443         | 14    | 72            | 3             | 0             | 4             | 1             | 0             | 0            | 0            | 0            | 1729  | 94          |  |
| Percent     | 0.5%  | 68.5%           | 25.6%       | 0.8%  | 4.2%          | 0.2%          | 0.0%          | 0.2%          | 0.1%          | 0.0%          | 0.0%         | 0.0%         | 0.0%         |       | 5.4%        |  |



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

Community: Pembroke  
 Weather: Light Rain  
 Board #/Staff: TDC-8 (2) / KM  
 Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
 Site Code : 231  
 Start Date : 9/29/2011  
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

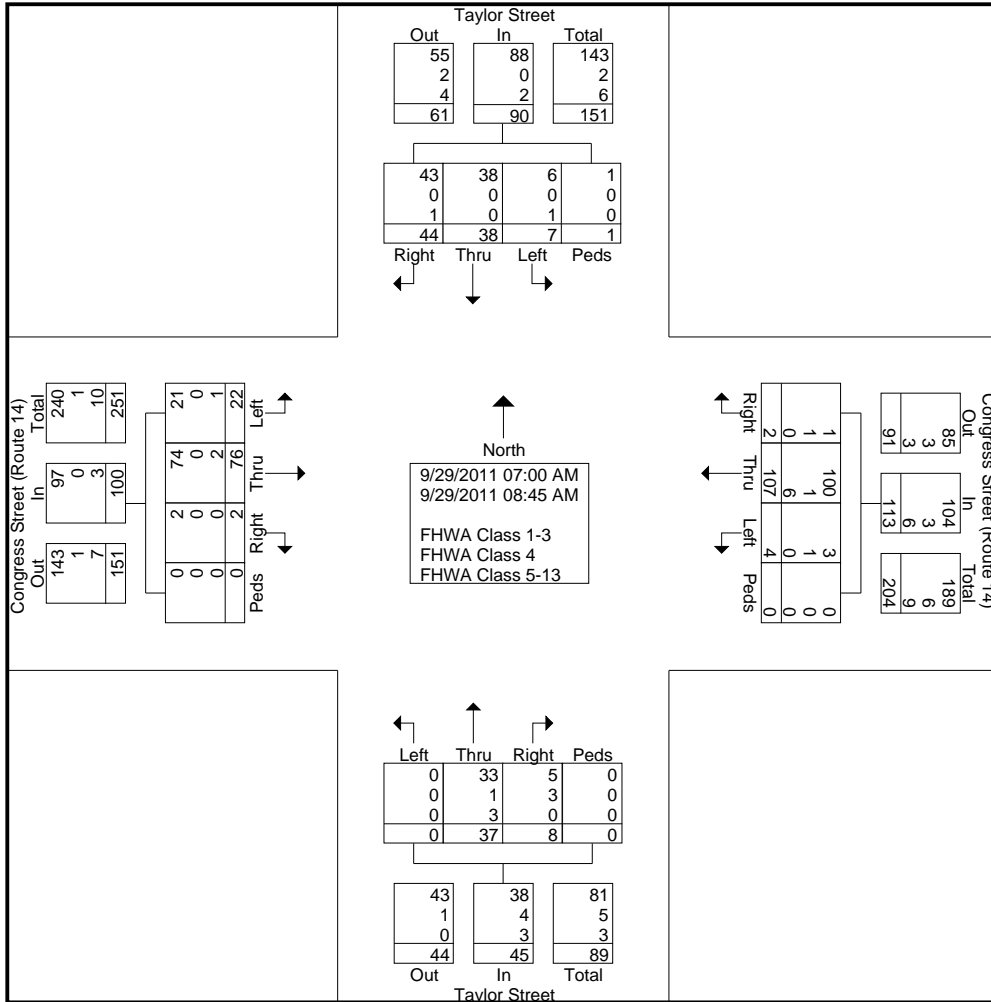
| Start Time        | Taylor Street Southbound |      |       |      |            | Congress Street (Route 14) Westbound |      |       |      |            | Taylor Street Northbound |      |       |      |            | Congress Street (Route 14) Eastbound |      |       |      |            | Int. Total |
|-------------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|------------|
|                   | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total |            |
| Factor            | 1.0                      | 1.0  | 1.0   | 1.0  |            | 1.0                                  | 1.0  | 1.0   | 1.0  |            | 1.0                      | 1.0  | 1.0   | 1.0  |            | 1.0                                  | 1.0  | 1.0   | 1.0  |            |            |
| 07:00 AM          | 2                        | 10   | 10    | 0    | 22         | 0                                    | 19   | 0     | 0    | 19         | 0                        | 3    | 3     | 0    | 6          | 4                                    | 13   | 0     | 0    | 17         | 64         |
| 07:15 AM          | 0                        | 9    | 7     | 0    | 16         | 0                                    | 20   | 0     | 0    | 20         | 0                        | 7    | 0     | 0    | 7          | 4                                    | 14   | 0     | 0    | 18         | 61         |
| 07:30 AM          | 2                        | 6    | 6     | 0    | 14         | 1                                    | 12   | 0     | 0    | 13         | 0                        | 6    | 1     | 0    | 7          | 3                                    | 9    | 0     | 0    | 12         | 46         |
| 07:45 AM          | 1                        | 1    | 6     | 1    | 9          | 0                                    | 16   | 0     | 0    | 16         | 0                        | 6    | 1     | 0    | 7          | 2                                    | 12   | 0     | 0    | 14         | 46         |
| Total             | 5                        | 26   | 29    | 1    | 61         | 1                                    | 67   | 0     | 0    | 68         | 0                        | 22   | 5     | 0    | 27         | 13                                   | 48   | 0     | 0    | 61         | 217        |
| 08:00 AM          | 0                        | 2    | 2     | 0    | 4          | 0                                    | 2    | 0     | 0    | 2          | 0                        | 1    | 0     | 0    | 1          | 1                                    | 3    | 0     | 0    | 4          | 11         |
| 08:15 AM          | 1                        | 3    | 6     | 0    | 10         | 0                                    | 15   | 0     | 0    | 15         | 0                        | 5    | 2     | 0    | 7          | 2                                    | 13   | 2     | 0    | 17         | 49         |
| 08:30 AM          | 0                        | 4    | 6     | 0    | 10         | 1                                    | 8    | 2     | 0    | 11         | 0                        | 3    | 0     | 0    | 3          | 2                                    | 7    | 0     | 0    | 9          | 33         |
| 08:45 AM          | 1                        | 3    | 1     | 0    | 5          | 2                                    | 15   | 0     | 0    | 17         | 0                        | 6    | 1     | 0    | 7          | 4                                    | 5    | 0     | 0    | 9          | 38         |
| Total             | 2                        | 12   | 15    | 0    | 29         | 3                                    | 40   | 2     | 0    | 45         | 0                        | 15   | 3     | 0    | 18         | 9                                    | 28   | 2     | 0    | 39         | 131        |
| Grand Total       | 7                        | 38   | 44    | 1    | 90         | 4                                    | 107  | 2     | 0    | 113        | 0                        | 37   | 8     | 0    | 45         | 22                                   | 76   | 2     | 0    | 100        | 348        |
| Apprch %          | 7.8                      | 42.2 | 48.9  | 1.1  |            | 3.5                                  | 94.7 | 1.8   | 0    |            | 0                        | 82.2 | 17.8  | 0    |            | 22                                   | 76   | 2     | 0    |            |            |
| Total %           | 2                        | 10.9 | 12.6  | 0.3  | 25.9       | 1.1                                  | 30.7 | 0.6   | 0    | 32.5       | 0                        | 10.6 | 2.3   | 0    | 12.9       | 6.3                                  | 21.8 | 0.6   | 0    | 28.7       |            |
| FHWA Class 1-3    | 6                        | 38   | 43    | 1    | 88         | 3                                    | 100  | 1     | 0    | 104        | 0                        | 33   | 5     | 0    | 38         | 21                                   | 74   | 2     | 0    | 97         | 327        |
| % FHWA Class 1-3  | 85.7                     | 100  | 97.7  | 100  | 97.8       | 75                                   | 93.5 | 50    | 0    | 92         | 0                        | 89.2 | 62.5  | 0    | 84.4       | 95.5                                 | 97.4 | 100   | 0    | 97         | 94         |
| FHWA Class 4      | 0                        | 0    | 0     | 0    | 0          | 1                                    | 1    | 1     | 0    | 3          | 0                        | 1    | 3     | 0    | 4          | 0                                    | 0    | 0     | 0    | 0          | 7          |
| % FHWA Class 4    | 0                        | 0    | 0     | 0    | 0          | 25                                   | 0.9  | 50    | 0    | 2.7        | 0                        | 2.7  | 37.5  | 0    | 8.9        | 0                                    | 0    | 0     | 0    | 0          | 2          |
| FHWA Class 5-13   | 1                        | 0    | 1     | 0    | 2          | 0                                    | 6    | 0     | 0    | 6          | 0                        | 3    | 0     | 0    | 3          | 1                                    | 2    | 0     | 0    | 3          | 14         |
| % FHWA Class 5-13 | 14.3                     | 0    | 2.3   | 0    | 2.2        | 0                                    | 5.6  | 0     | 0    | 5.3        | 0                        | 8.1  | 0     | 0    | 6.7        | 4.5                                  | 2.6  | 0     | 0    | 3          | 4          |



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

Community: Pembroke  
 Weather: Light Rain  
 Board #/Staff: TDC-8 (2) / KM  
 Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
 Site Code : 231  
 Start Date : 9/29/2011  
 Page No : 2

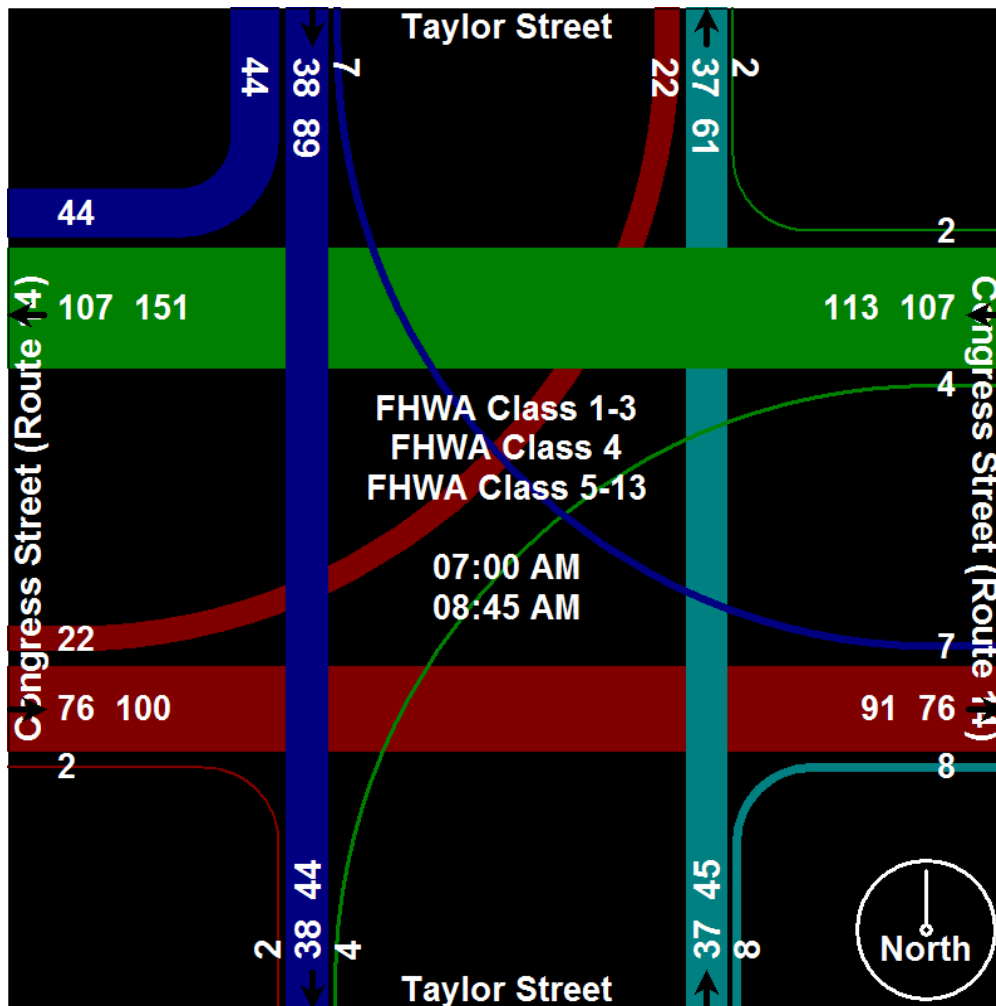




Old Colony Planning Council  
70 School Street  
Brockton, MA 02301  
508-583-1833  
www.ocpcrpa.org

Community: Pembroke  
Weather: Light Rain  
Board #/Staff: TDC-8 (2) / KM  
Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
Site Code : 231  
Start Date : 9/29/2011  
Page No : 3





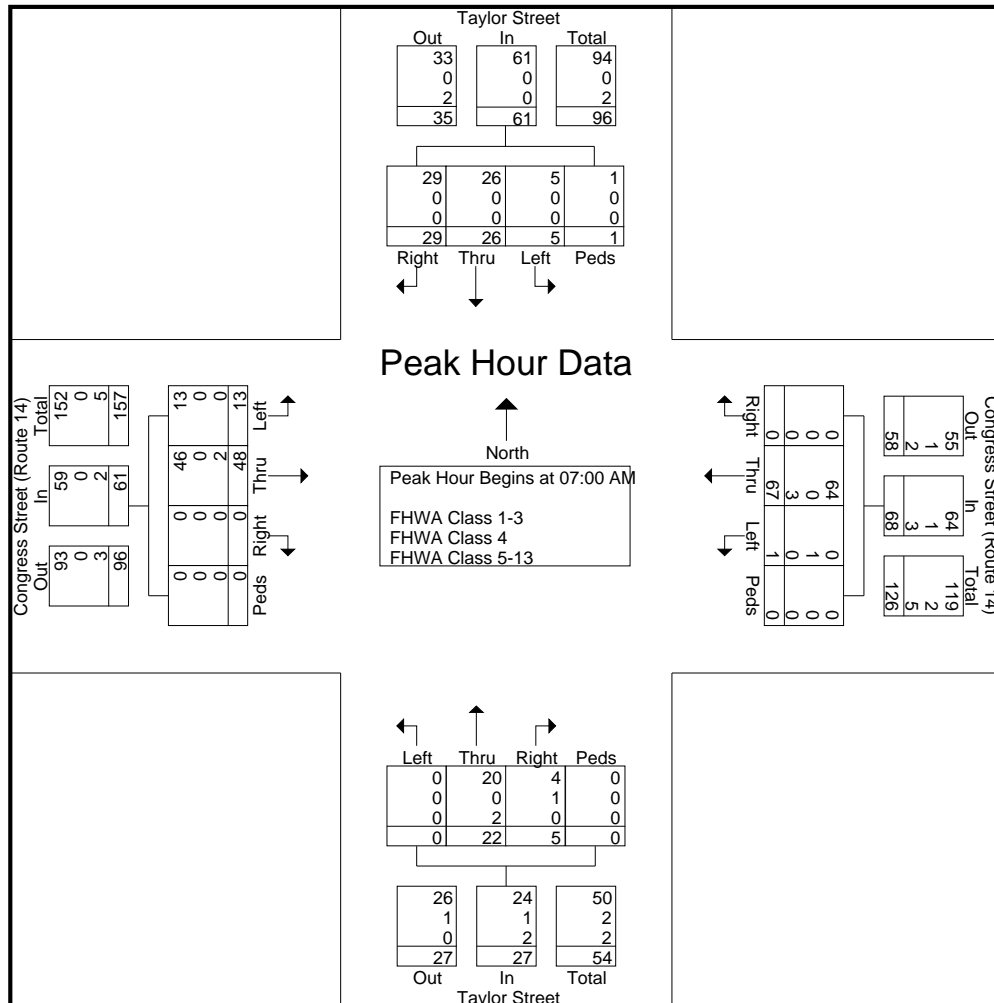


Old Colony Planning Council  
 70 School Street  
 Brockton, MA 02301  
 508-583-1833  
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Community: Pembroke  
 Weather: Light Rain  
 Board #/Staff: TDC-8 (2) / KM  
 Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
 Site Code : 231  
 Start Date : 9/29/2011  
 Page No : 4

| Start Time   | Taylor Street Southbound |      |       |      |            | Congress Street (Route 14) Westbound |      |       |      |            | Taylor Street Northbound |      |       |      |            | Congress Street (Route 14) Eastbound |      |       |      |            | Int. Total |
|--|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|------------|
|  | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                          |      |       |      |            |                                      |      |       |      |            |                          |      |       |      |            |                                      |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 07:00 AM       |                          |      |       |      |            |                                      |      |       |      |            |                          |      |       |      |            |                                      |      |       |      |            |            |
| 07:00 AM   | 2                        | 10   | 10    | 0    | 22         | 0                                    | 19   | 0     | 0    | 19         | 0                        | 3    | 3     | 0    | 6          | 4                                    | 13   | 0     | 0    | 17         | 64         |
| 07:15 AM   | 0                        | 9    | 7     | 0    | 16         | 0                                    | 20   | 0     | 0    | 20         | 0                        | 7    | 0     | 0    | 7          | 4                                    | 14   | 0     | 0    | 18         | 61         |
| 07:30 AM   | 2                        | 6    | 6     | 0    | 14         | 1                                    | 12   | 0     | 0    | 13         | 0                        | 6    | 1     | 0    | 7          | 3                                    | 9    | 0     | 0    | 12         | 46         |
| 07:45 AM   | 1                        | 1    | 6     | 1    | 9          | 0                                    | 16   | 0     | 0    | 16         | 0                        | 6    | 1     | 0    | 7          | 2                                    | 12   | 0     | 0    | 14         | 46         |
| Total Volume   | 5                        | 26   | 29    | 1    | 61         | 1                                    | 67   | 0     | 0    | 68         | 0                        | 22   | 5     | 0    | 27         | 13                                   | 48   | 0     | 0    | 61         | 217        |
| % App. Total   | 8.2                      | 42.6 | 47.5  | 1.6  |            | 1.5                                  | 98.5 | 0     | 0    |            | 0                        | 81.5 | 18.5  | 0    |            | 21.3                                 | 78.7 | 0     | 0    |            |            |
| PHF  | .625                     | .650 | .725  | .250 | .693       | .250                                 | .838 | .000  | .000 | .850       | .000                     | .786 | .417  | .000 | .964       | .813                                 | .857 | .000  | .000 | .847       | .848       |
| FHWA Class 1-3   | 5                        | 26   | 29    | 1    | 61         | 0                                    | 64   | 0     | 0    | 64         | 0                        | 20   | 4     | 0    | 24         | 13                                   | 46   | 0     | 0    | 59         | 208        |
| % FHWA Class 1-3   | 100                      | 100  | 100   | 100  | 100        | 0                                    | 95.5 | 0     | 0    | 94.1       | 0                        | 90.9 | 80.0  | 0    | 88.9       | 100                                  | 95.8 | 0     | 0    | 96.7       | 95.9       |
| FHWA Class 4   | 0                        | 0    | 0     | 0    | 0          | 1                                    | 0    | 0     | 0    | 1          | 0                        | 0    | 1     | 0    | 1          | 0                                    | 0    | 0     | 0    | 0          | 2          |
| % FHWA Class 4   | 0                        | 0    | 0     | 0    | 0          | 100                                  | 0    | 0     | 0    | 1.5        | 0                        | 0    | 20.0  | 0    | 3.7        | 0                                    | 0    | 0     | 0    | 0          | 0.9        |
| FHWA Class 5-13  | 0                        | 0    | 0     | 0    | 0          | 0                                    | 3    | 0     | 0    | 3          | 0                        | 2    | 0     | 0    | 2          | 0                                    | 2    | 0     | 0    | 2          | 7          |
| % FHWA Class 5-13  | 0                        | 0    | 0     | 0    | 0          | 0                                    | 4.5  | 0     | 0    | 4.4        | 0                        | 9.1  | 0     | 0    | 7.4        | 0                                    | 4.2  | 0     | 0    | 3.3        | 3.2        |

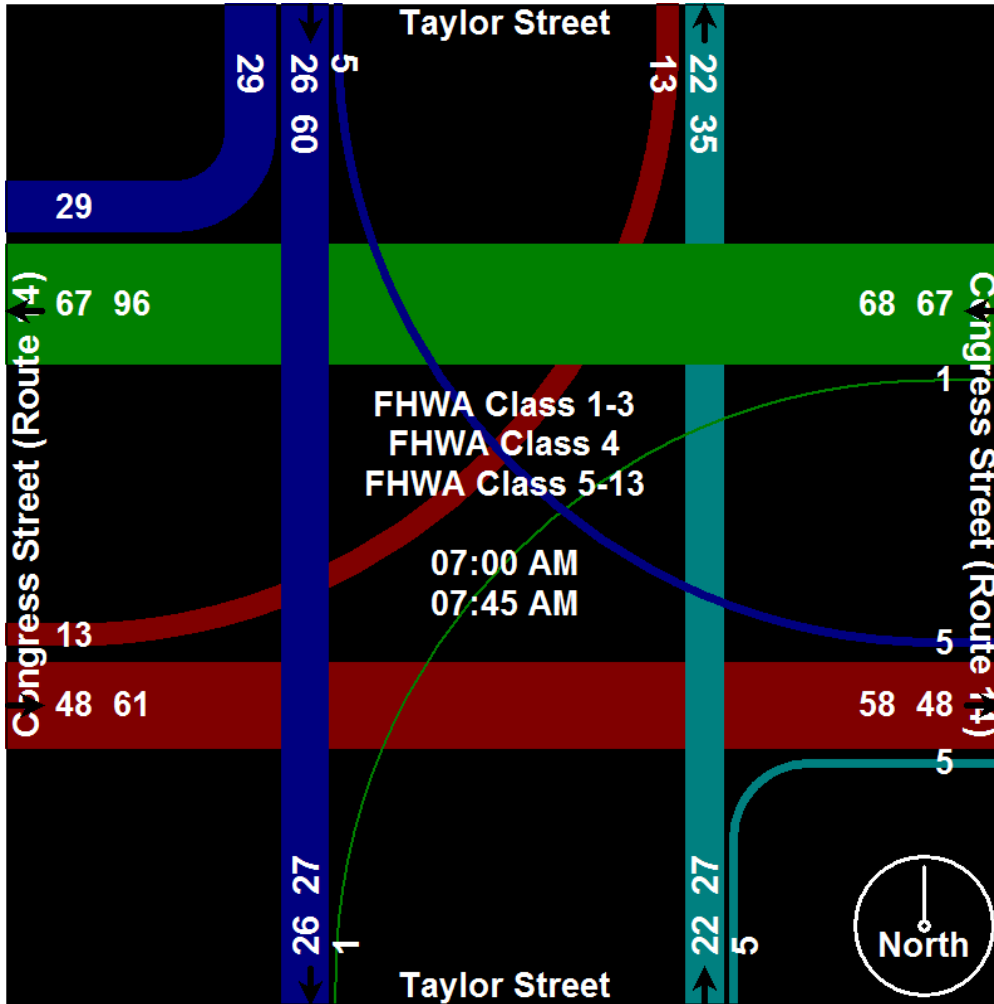




Old Colony Planning Council  
70 School Street  
Brockton, MA 02301  
508-583-1833  
www.ocpcrpa.org

Community: Pembroke  
Weather: Light Rain  
Board #/Staff: TDC-8 (2) / KM  
Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
Site Code : 231  
Start Date : 9/29/2011  
Page No : 5



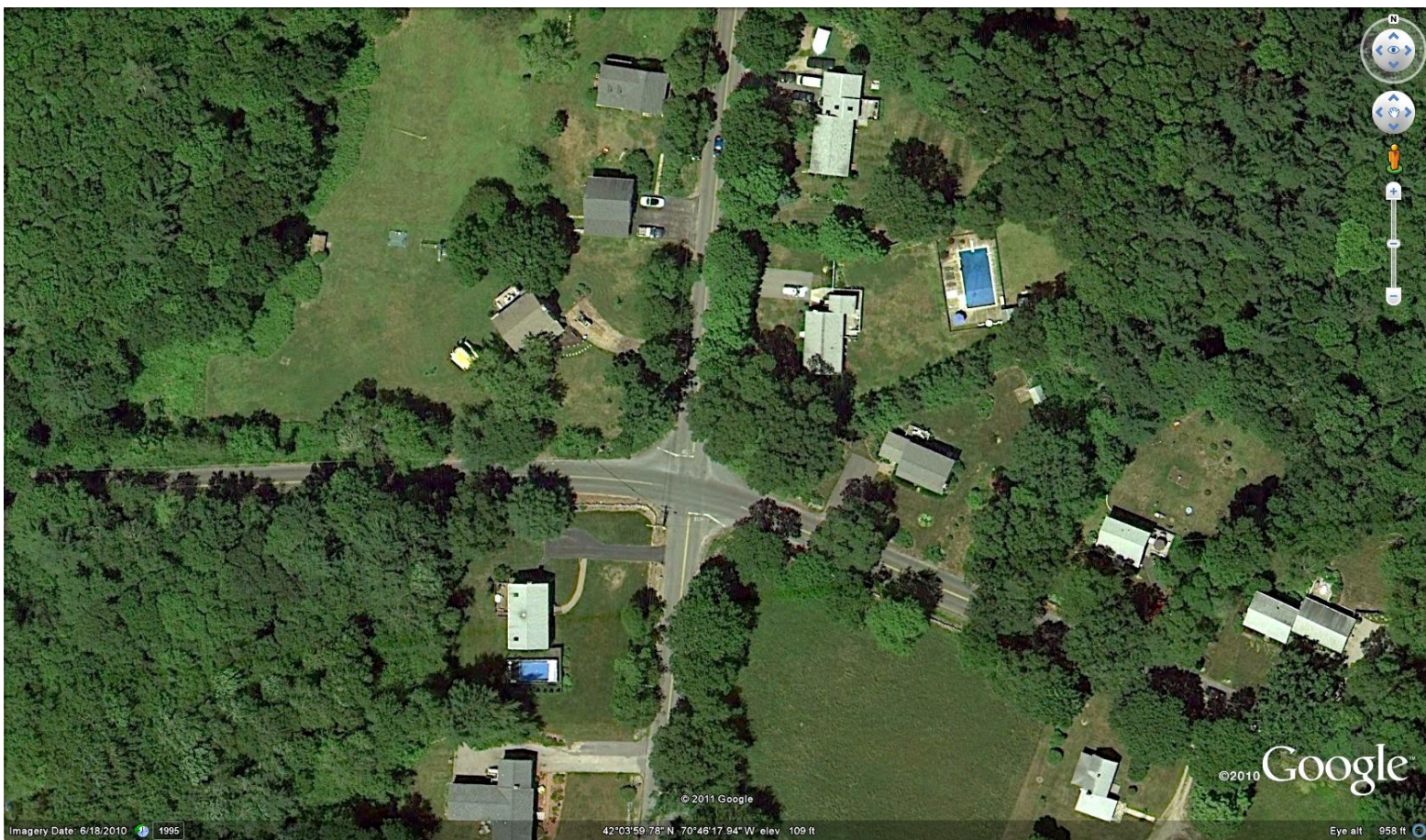


Old Colony Planning Council  
70 School Street  
Brockton, MA 02301  
508-583-1833  
[www.ocpcrpa.org](http://www.ocpcrpa.org)

Community: Pembroke  
Weather: Light Rain  
Board #/Staff: TDC-8 (2) / KM  
Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_AM  
Site Code : 231  
Start Date : 9/29/2011  
Page No : 6

Image 1





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

Community: Pembroke  
 Weather: Clear  
 Board #/Staff: DB-400 (4) / AV  
 Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_PM  
 Site Code : 231  
 Start Date : 9/27/2011  
 Page No : 1

Groups Printed- 3 - FHWA Class 4 - 13

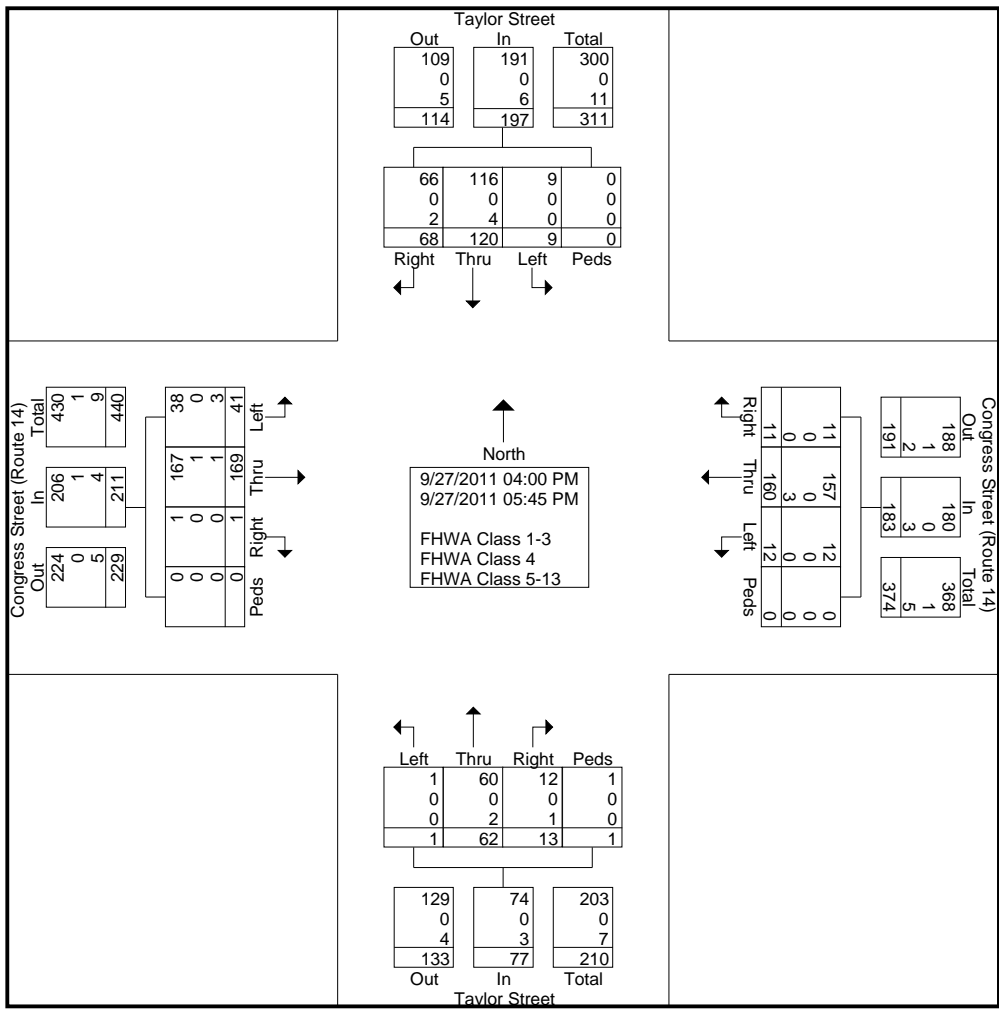
| Start Time        | Taylor Street Southbound |      |       |      |            | Congress Street (Route 14) Westbound |      |       |      |            | Taylor Street Northbound |      |       |      |            | Congress Street (Route 14) Eastbound |      |       |      |            | Int. Total |
|-------------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|------------|
|                   | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total |            |
| Factor            | 1.0                      | 1.0  | 1.0   | 1.0  |            | 1.0                                  | 1.0  | 1.0   | 1.0  |            | 1.0                      | 1.0  | 1.0   | 1.0  |            | 1.0                                  | 1.0  | 1.0   | 1.0  |            |            |
| 04:00 PM          | 1                        | 9    | 6     | 0    | 16         | 3                                    | 16   | 1     | 0    | 20         | 1                        | 6    | 0     | 0    | 7          | 3                                    | 14   | 0     | 0    | 17         | 60         |
| 04:15 PM          | 2                        | 14   | 5     | 0    | 21         | 0                                    | 23   | 2     | 0    | 25         | 0                        | 9    | 1     | 0    | 10         | 4                                    | 29   | 0     | 0    | 33         | 89         |
| 04:30 PM          | 1                        | 19   | 12    | 0    | 32         | 1                                    | 13   | 0     | 0    | 14         | 0                        | 6    | 3     | 0    | 9          | 5                                    | 25   | 0     | 0    | 30         | 85         |
| 04:45 PM          | 1                        | 19   | 14    | 0    | 34         | 3                                    | 26   | 3     | 0    | 32         | 0                        | 12   | 3     | 0    | 15         | 4                                    | 23   | 0     | 0    | 27         | 108        |
| Total             | 5                        | 61   | 37    | 0    | 103        | 7                                    | 78   | 6     | 0    | 91         | 1                        | 33   | 7     | 0    | 41         | 16                                   | 91   | 0     | 0    | 107        | 342        |
| 05:00 PM          | 1                        | 21   | 8     | 0    | 30         | 2                                    | 23   | 2     | 0    | 27         | 0                        | 9    | 1     | 0    | 10         | 9                                    | 25   | 0     | 0    | 34         | 101        |
| 05:15 PM          | 2                        | 11   | 4     | 0    | 17         | 2                                    | 16   | 3     | 0    | 21         | 0                        | 6    | 5     | 0    | 11         | 8                                    | 20   | 0     | 0    | 28         | 77         |
| 05:30 PM          | 1                        | 12   | 10    | 0    | 23         | 1                                    | 25   | 0     | 0    | 26         | 0                        | 6    | 0     | 1    | 7          | 4                                    | 18   | 0     | 0    | 22         | 78         |
| 05:45 PM          | 0                        | 15   | 9     | 0    | 24         | 0                                    | 18   | 0     | 0    | 18         | 0                        | 8    | 0     | 0    | 8          | 4                                    | 15   | 1     | 0    | 20         | 70         |
| Total             | 4                        | 59   | 31    | 0    | 94         | 5                                    | 82   | 5     | 0    | 92         | 0                        | 29   | 6     | 1    | 36         | 25                                   | 78   | 1     | 0    | 104        | 326        |
| Grand Total       | 9                        | 120  | 68    | 0    | 197        | 12                                   | 160  | 11    | 0    | 183        | 1                        | 62   | 13    | 1    | 77         | 41                                   | 169  | 1     | 0    | 211        | 668        |
| Apprch %          | 4.6                      | 60.9 | 34.5  | 0    |            | 6.6                                  | 87.4 | 6     | 0    |            | 1.3                      | 80.5 | 16.9  | 1.3  |            | 19.4                                 | 80.1 | 0.5   | 0    |            |            |
| Total %           | 1.3                      | 18   | 10.2  | 0    | 29.5       | 1.8                                  | 24   | 1.6   | 0    | 27.4       | 0.1                      | 9.3  | 1.9   | 0.1  | 11.5       | 6.1                                  | 25.3 | 0.1   | 0    | 31.6       |            |
| FHWA Class 1-3    | 9                        | 116  | 66    | 0    | 191        | 12                                   | 157  | 11    | 0    | 180        | 1                        | 60   | 12    | 1    | 74         | 38                                   | 167  | 1     | 0    | 206        | 651        |
| % FHWA Class 1-3  | 100                      | 96.7 | 97.1  | 0    | 97         | 100                                  | 98.1 | 100   | 0    | 98.4       | 100                      | 96.8 | 92.3  | 100  | 96.1       | 92.7                                 | 98.8 | 100   | 0    | 97.6       | 97.5       |
| FHWA Class 4      | 0                        | 0    | 0     | 0    | 0          | 0                                    | 0    | 0     | 0    | 0          | 0                        | 0    | 0     | 0    | 0          | 0                                    | 1    | 0     | 0    | 1          | 1          |
| % FHWA Class 4    | 0                        | 0    | 0     | 0    | 0          | 0                                    | 0    | 0     | 0    | 0          | 0                        | 0    | 0     | 0    | 0          | 0                                    | 0.6  | 0     | 0    | 0.5        | 0.1        |
| FHWA Class 5-13   | 0                        | 4    | 2     | 0    | 6          | 0                                    | 3    | 0     | 0    | 3          | 0                        | 2    | 1     | 0    | 3          | 3                                    | 1    | 0     | 0    | 4          | 16         |
| % FHWA Class 5-13 | 0                        | 3.3  | 2.9   | 0    | 3          | 0                                    | 1.9  | 0     | 0    | 1.6        | 0                        | 3.2  | 7.7   | 0    | 3.9        | 7.3                                  | 0.6  | 0     | 0    | 1.9        | 2.4        |



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

Community: Pembroke  
 Weather: Clear  
 Board #/Staff: DB-400 (4) / AV  
 Traffic Control: Two Way Stop

File Name : Congress Street (Route 14) & Taylor Street\_PM  
 Site Code : 231  
 Start Date : 9/27/2011  
 Page No : 2

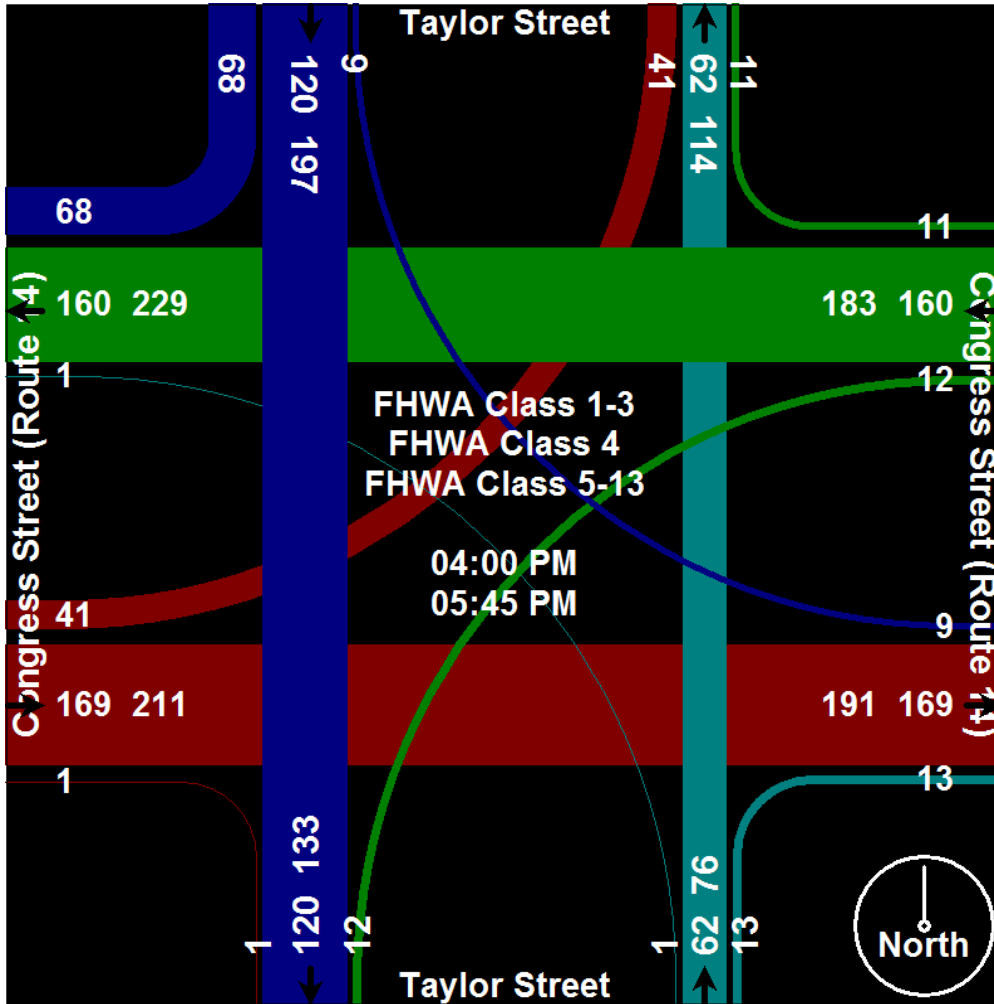




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File Name : Congress Street (Route 14) & Taylor Street\_PM  
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Page No : 3



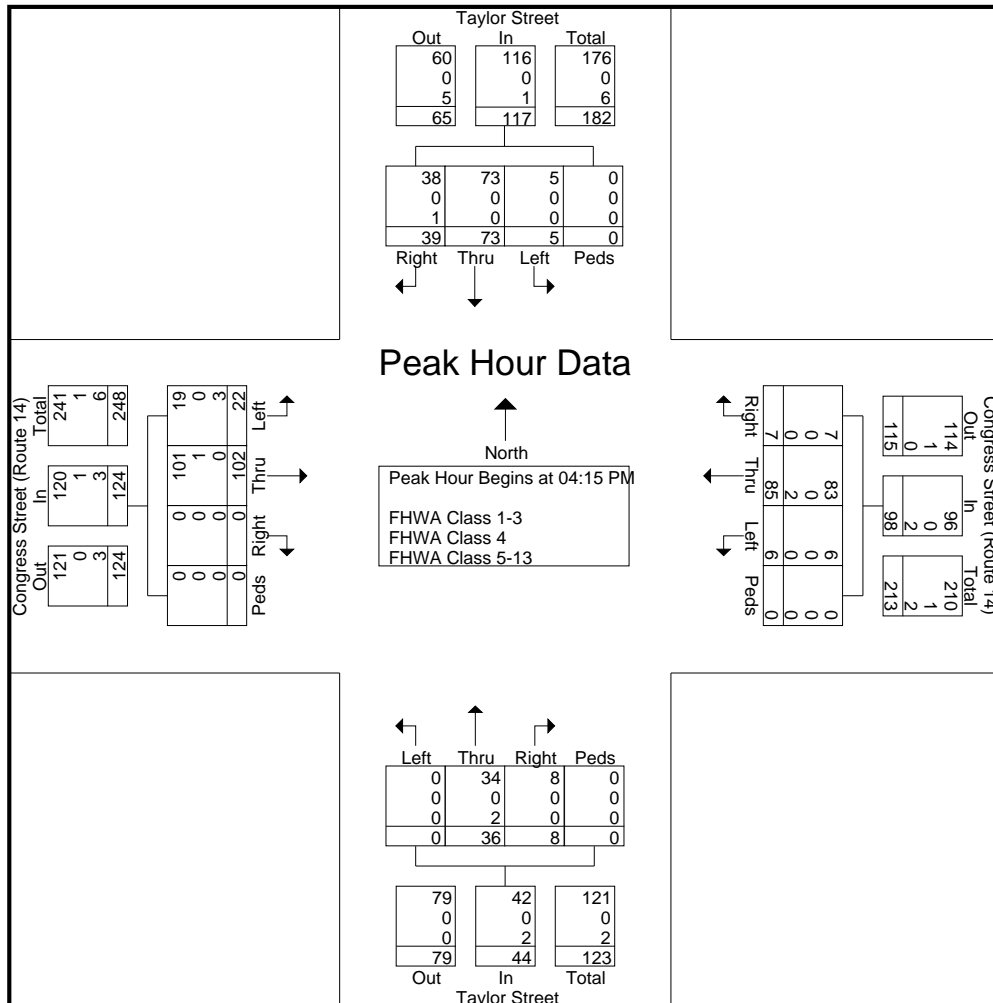


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File Name : Congress Street (Route 14) & Taylor Street\_PM  
 Site Code : 231  
 Start Date : 9/27/2011  
 Page No : 4

| Start Time   | Taylor Street Southbound |      |       |      |            | Congress Street (Route 14) Westbound |      |       |      |            | Taylor Street Northbound |      |       |      |            | Congress Street (Route 14) Eastbound |      |       |      |            | Int. Total |
|--|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|--------------------------|------|-------|------|------------|--------------------------------------|------|-------|------|------------|------------|
|  | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total | Left                     | Thru | Right | Peds | App. Total | Left                                 | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                          |      |       |      |            |                                      |      |       |      |            |                          |      |       |      |            |                                      |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 04:15 PM       |                          |      |       |      |            |                                      |      |       |      |            |                          |      |       |      |            |                                      |      |       |      |            |            |
| 04:15 PM   | 2                        | 14   | 5     | 0    | 21         | 0                                    | 23   | 2     | 0    | 25         | 0                        | 9    | 1     | 0    | 10         | 4                                    | 29   | 0     | 0    | 33         | 89         |
| 04:30 PM   | 1                        | 19   | 12    | 0    | 32         | 1                                    | 13   | 0     | 0    | 14         | 0                        | 6    | 3     | 0    | 9          | 5                                    | 25   | 0     | 0    | 30         | 85         |
| 04:45 PM   | 1                        | 19   | 14    | 0    | 34         | 3                                    | 26   | 3     | 0    | 32         | 0                        | 12   | 3     | 0    | 15         | 4                                    | 23   | 0     | 0    | 27         | 108        |
| 05:00 PM   | 1                        | 21   | 8     | 0    | 30         | 2                                    | 23   | 2     | 0    | 27         | 0                        | 9    | 1     | 0    | 10         | 9                                    | 25   | 0     | 0    | 34         | 101        |
| Total Volume   | 5                        | 73   | 39    | 0    | 117        | 6                                    | 85   | 7     | 0    | 98         | 0                        | 36   | 8     | 0    | 44         | 22                                   | 102  | 0     | 0    | 124        | 383        |
| % App. Total   | 4.3                      | 62.4 | 33.3  | 0    |            | 6.1                                  | 86.7 | 7.1   | 0    |            | 0                        | 81.8 | 18.2  | 0    |            | 17.7                                 | 82.3 | 0     | 0    |            |            |
| PHF  | .625                     | .869 | .696  | .000 | .860       | .500                                 | .817 | .583  | .000 | .766       | .000                     | .750 | .667  | .000 | .733       | .611                                 | .879 | .000  | .000 | .912       | .887       |
| FHWA Class 1-3   | 5                        | 73   | 38    | 0    | 116        | 6                                    | 83   | 7     | 0    | 96         | 0                        | 34   | 8     | 0    | 42         | 19                                   | 101  | 0     | 0    | 120        | 374        |
| % FHWA Class 1-3   | 100                      | 100  | 97.4  | 0    | 99.1       | 100                                  | 97.6 | 100   | 0    | 98.0       | 0                        | 94.4 | 100   | 0    | 95.5       | 86.4                                 | 99.0 | 0     | 0    | 96.8       | 97.7       |
| FHWA Class 4   | 0                        | 0    | 0     | 0    | 0          | 0                                    | 0    | 0     | 0    | 0          | 0                        | 0    | 0     | 0    | 0          | 0                                    | 1    | 0     | 0    | 1          | 1          |
| % FHWA Class 4   | 0                        | 0    | 0     | 0    | 0          | 0                                    | 0    | 0     | 0    | 0          | 0                        | 0    | 0     | 0    | 0          | 0                                    | 1.0  | 0     | 0    | 0.8        | 0.3        |
| FHWA Class 5-13  | 0                        | 0    | 1     | 0    | 1          | 0                                    | 2    | 0     | 0    | 2          | 0                        | 2    | 0     | 0    | 2          | 3                                    | 0    | 0     | 0    | 3          | 8          |
| % FHWA Class 5-13  | 0                        | 0    | 2.6   | 0    | 0.9        | 0                                    | 2.4  | 0     | 0    | 2.0        | 0                        | 5.6  | 0     | 0    | 4.5        | 13.6                                 | 0    | 0     | 0    | 2.4        | 2.1        |

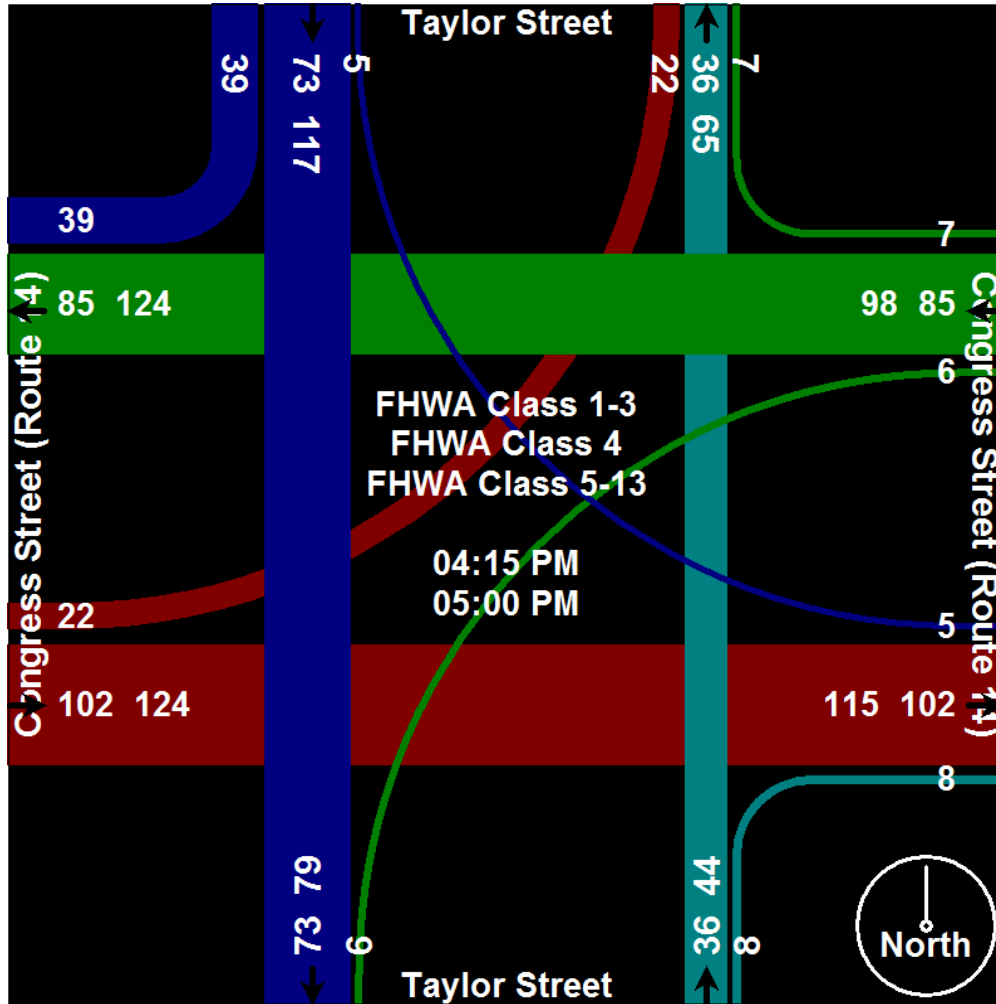




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














File Name : Congress Street (Route 14) & Taylor Street\_PM  
Site Code : 231  
Start Date : 9/27/2011  
Page No : 6

Image 1



Congress Street at Taylor Street  
 3: Congress Street (Route 14) & Taylor Street

Existing 2011 AM Peak Hour LOS

|                                   |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|---|---|---|---|---|---|--|---|---|---|---|---|
| Movement                          | EBL   | EBT   | EBR   | WBL   | WBT   | WBR   | NBL  | NBT   | NBR   | SBL   | SBT   | SBR   |
| Lane Configurations               |   |  |   |   |  |   |  |  |   |   |  |   |
| Sign Control                      |   | Free  |   |   | Free  |   |  | Stop  |   |   | Stop  |   |
| Grade                             |   | 0%  |   |   | 0%  |   |  | 0%  |   |   | 0%  |   |
| Volume (veh/h)                    | 13  | 48  | 0   | 1   | 67  | 0   | 0  | 22  | 5   | 5   | 26  | 29  |
| Peak Hour Factor                  | 0.85  | 0.85  | 0.85  | 0.85  | 0.85  | 0.85  | 0.96   | 0.96  | 0.96  | 0.60  | 0.60  | 0.60  |
| Hourly flow rate (vph)            | 15  | 56  | 0   | 1   | 79  | 0   | 0  | 23  | 5   | 8   | 43  | 48  |
| Pedestrians                       |   |   |   |   |   |   |  |   |   |   |   |   |
| Lane Width (ft)                   |   |   |   |   |   |   |  |   |   |   |   |   |
| Walking Speed (ft/s)              |   |   |   |   |   |   |  |   |   |   |   |   |
| Percent Blockage                  |   |   |   |   |   |   |  |   |   |   |   |   |
| Right turn flare (veh)            |   |   |   |   |   |   |  |   |   |   |   |   |
| Median type                       |   |   |   |   |   |   |  | None  |   |   | None  |   |
| Median storage (veh)              |   |   |   |   |   |   |  |   |   |   |   |   |
| Upstream signal (ft)              |   |   |   |   |   |   |  |   |   |   |   |   |
| pX, platoon unblocked             |   |   |   |   |   |   |  |   |   |   |   |   |
| vC, conflicting volume            | 79  |   |   | 56  |   |   | 238  | 168   | 56  | 185   | 168   | 79  |
| vC1, stage 1 conf vol             |   |   |   |   |   |   |  |   |   |   |   |   |
| vC2, stage 2 conf vol             |   |   |   |   |   |   |  |   |   |   |   |   |
| vCu, unblocked vol                | 79  |   |   | 56  |   |   | 238  | 168   | 56  | 185   | 168   | 79  |
| tC, single (s)                    | 4.1   |   |   | 4.2   |   |   | 7.2  | 6.6   | 6.3   | 7.1   | 6.5   | 6.2   |
| tC, 2 stage (s)                   |   |   |   |   |   |   |  |   |   |   |   |   |
| tF (s)                            | 2.2   |   |   | 2.3   |   |   | 3.6  | 4.1   | 3.4   | 3.5   | 4.0   | 3.3   |
| p0 queue free %                   | 99  |   |   | 100   |   |   | 100  | 97  | 99  | 99  | 94  | 95  |
| cM capacity (veh/h)               | 1513  |   |   | 1523  |   |   | 628  | 701   | 985   | 751   | 720   | 987   |
| <b>Direction, Lane #</b>          | <b>EB 1</b>   | <b>WB 1</b>   | <b>NB 1</b>   | <b>SB 1</b>   |   |   |  |   |   |   |   |   |
| Volume Total                      | 72  | 80  | 28  | 100   |   |   |  |   |   |   |   |   |
| Volume Left                       | 15  | 1   | 0   | 8   |   |   |  |   |   |   |   |   |
| Volume Right                      | 0   | 0   | 5   | 48  |   |   |  |   |   |   |   |   |
| cSH                               | 1513  | 1523  | 740   | 832   |   |   |  |   |   |   |   |   |
| Volume to Capacity                | 0.01  | 0.00  | 0.04  | 0.12  |   |   |  |   |   |   |   |   |
| Queue Length 95th (ft)            | 1   | 0   | 3   | 10  |   |   |  |   |   |   |   |   |
| Control Delay (s)                 | 1.6   | 0.1   | 10.1  | 9.9   |   |   |  |   |   |   |   |   |
| Lane LOS                          | A   | A   | B   | A   |   |   |  |   |   |   |   |   |
| Approach Delay (s)                | 1.6   | 0.1   | 10.1  | 9.9   |   |   |  |   |   |   |   |   |
| Approach LOS                      |   |   | B   | A   |   |   |  |   |   |   |   |   |
| <b>Intersection Summary</b>       |   |   |   |   |   |   |  |   |   |   |   |   |
| Average Delay                     |   |   | 5.0   |   |   |   |  |   |   |   |   |   |
| Intersection Capacity Utilization |   |   | 24.2%   |   | ICU Level of Service  |   |  |   | A   |   |   |   |
| Analysis Period (min)             |   |   | 15  |   |   |   |  |   |   |   |   |   |

Congress Street at Taylor Street  
 3: Congress Street (Route 14) & Taylor Street

Existing 2011 PM Peak Hour LOS



| Movement               | EBL  | EBT  | EBR  | WBL  | WBT  | WBR  | NBL  | NBT  | NBR  | SBL  | SBT  | SBR  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Lane Configurations    |      | ↕    |      |      | ↕    |      |      | ↕    |      |      | ↕    |      |
| Sign Control           |      | Free |      |      | Free |      |      | Stop |      |      | Stop |      |
| Grade                  |      | 0%   |      |      | 0%   |      |      | 0%   |      |      | 0%   |      |
| Volume (veh/h)         | 22   | 102  | 0    | 6    | 85   | 0    | 0    | 36   | 8    | 5    | 73   | 39   |
| Peak Hour Factor       | 0.91 | 0.91 | 0.91 | 0.77 | 0.77 | 0.77 | 0.73 | 0.73 | 0.73 | 0.86 | 0.86 | 0.86 |
| Hourly flow rate (vph) | 24   | 112  | 0    | 8    | 110  | 0    | 0    | 49   | 11   | 6    | 85   | 45   |
| Pedestrians            |      |      |      |      |      |      |      |      |      |      |      |      |
| Lane Width (ft)        |      |      |      |      |      |      |      |      |      |      |      |      |
| Walking Speed (ft/s)   |      |      |      |      |      |      |      |      |      |      |      |      |
| Percent Blockage       |      |      |      |      |      |      |      |      |      |      |      |      |
| Right turn flare (veh) |      |      |      |      |      |      |      |      |      |      |      |      |
| Median type            |      |      |      |      |      |      |      | None |      |      | None |      |
| Median storage (veh)   |      |      |      |      |      |      |      |      |      |      |      |      |
| Upstream signal (ft)   |      |      |      |      |      |      |      |      |      |      |      |      |
| pX, platoon unblocked  |      |      |      |      |      |      |      |      |      |      |      |      |
| vC, conflicting volume | 110  |      |      | 112  |      |      | 374  | 286  | 112  | 322  | 286  | 110  |
| vC1, stage 1 conf vol  |      |      |      |      |      |      |      |      |      |      |      |      |
| vC2, stage 2 conf vol  |      |      |      |      |      |      |      |      |      |      |      |      |
| vCu, unblocked vol     | 110  |      |      | 112  |      |      | 374  | 286  | 112  | 322  | 286  | 110  |
| tC, single (s)         | 4.1  |      |      | 4.1  |      |      | 7.1  | 6.5  | 6.2  | 7.1  | 6.5  | 6.2  |
| tC, 2 stage (s)        |      |      |      |      |      |      |      |      |      |      |      |      |
| tF (s)                 | 2.2  |      |      | 2.2  |      |      | 3.5  | 4.0  | 3.3  | 3.5  | 4.0  | 3.3  |
| p0 queue free %        | 98   |      |      | 99   |      |      | 100  | 92   | 99   | 99   | 86   | 95   |
| cM capacity (veh/h)    | 1473 |      |      | 1478 |      |      | 485  | 606  | 936  | 577  | 611  | 946  |

| Direction, Lane #      | EB 1 | WB 1 | NB 1 | SB 1 |
|------------------------|------|------|------|------|
| Volume Total           | 136  | 118  | 60   | 136  |
| Volume Left            | 24   | 8    | 0    | 6    |
| Volume Right           | 0    | 0    | 11   | 45   |
| cSH                    | 1473 | 1478 | 648  | 691  |
| Volume to Capacity     | 0.02 | 0.01 | 0.09 | 0.20 |
| Queue Length 95th (ft) | 1    | 0    | 8    | 18   |
| Control Delay (s)      | 1.4  | 0.5  | 11.1 | 11.5 |
| Lane LOS               | A    | A    | B    | B    |
| Approach Delay (s)     | 1.4  | 0.5  | 11.1 | 11.5 |
| Approach LOS           |      |      | B    | B    |

| Intersection Summary              |       |                      |   |
|-----------------------------------|-------|----------------------|---|
| Average Delay                     |       | 5.5                  |   |
| Intersection Capacity Utilization | 29.6% | ICU Level of Service | A |
| Analysis Period (min)             |       | 15                   |   |



## INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Pembroke COUNT DATE : Sep-11

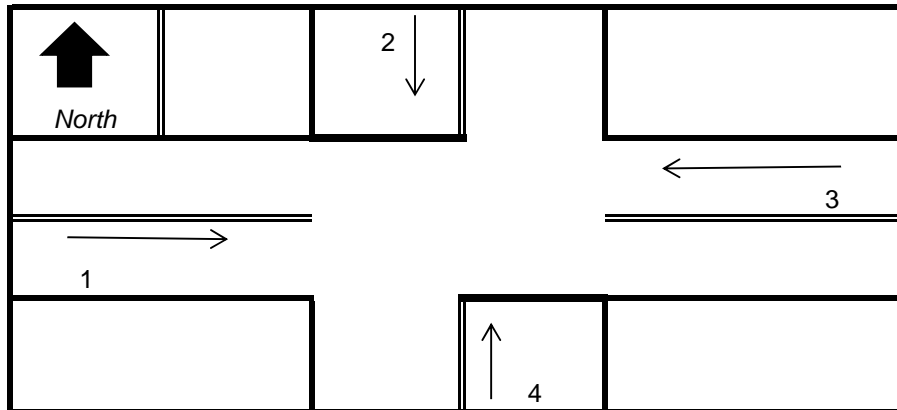
DISTRICT : 5 UNSIGNALIZED :  SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Congress Street (Route 14)

MINOR STREET(S) : Taylor Street

**INTERSECTION  
DIAGRAM  
(Label Approaches)**



**PEAK HOUR VOLUMES**

| APPROACH :                    | 1   | 2   | 3  | 4  | 5 | Total Peak Hourly Approach Volume |
|-------------------------------|-----|-----|----|----|---|-----------------------------------|
| DIRECTION :                   | EB  | SB  | WB | NB |   |                                   |
| PEAK HOURLY VOLUMES (AM/PM) : | 124 | 117 | 98 | 44 |   | 383                               |

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

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

**CRASH RATE CALCULATION :**

**1.29**

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

Comments : CR is ABOVE MassDOT District 5 Average (0.60) for un-signalized intersections

Project Title & Date: \_\_\_\_\_



# Warrants Summary Report

## 1: Congress at Taylor

### Intersection Information:

|                 | Major Street    | Minor Street  |
|-----------------|-----------------|---------------|
| Street Name     | Congress Street | Taylor Street |
| Direction       | EB/WB           | NB/SB         |
| Number of Lanes | 1               | 1             |
| Approach Speed  | 30              | 30            |

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

# Warrants Summary Report

## 1: Congress at Taylor

### Intersection Information:

|                 | Major Street    | Minor Street  |
|-----------------|-----------------|---------------|
| Street Name     | Congress Street | Taylor Street |
| Direction       | EB/WB           | NB/SB         |
| Number of Lanes | 1               | 1             |
| Approach Speed  | 30              | 30            |

| Warrant                                     | Met? | Notes                    |
|---|------|--------------------------|
| <b>Warrant 5, School Crossing</b>           | No   |                          |
| <b>Warrant 6, Coordinated Signal System</b> | No   |                          |
| <b>Warrant 7, Crash Experience</b>          | No   |                          |
| Traffic Volume Condition?                   | No   | 0 Hours met (8 required) |
| Ped Condition?                              | No   | 0 Hours met (8 required) |
| <b>Warrant 8, Roadway Network</b>           | No   |                          |

# Warrants Summary Report

## 1: Congress at Taylor

### Intersection Information:

|                 | Major Street    | Minor Street  |
|-----------------|-----------------|---------------|
| Street Name     | Congress Street | Taylor Street |
| Direction       | EB/WB           | NB/SB         |
| Number of Lanes | 1               | 1             |
| Approach Speed  | 30              | 30            |

| Warrant  | Met? | Notes |
|--|------|-------|
| <b>Warrant 9, Intersection Near a Grade Crossing</b> | No   |       |
| <hr/>  |      |       |
| <b>AWSC Warrant, Multiway Stop Application</b>       | No   |       |
| Condition A Met?                                     | No   |       |
| Condition B Met?                                     | No   |       |
| Condition C Met?                                     | No   |       |





# Low Cost Intersection Safety Improvements

## Did you know?

In Massachusetts, intersection crashes account for 29% of fatal crashes & 47% of incapacitating injury crashes

[\(Source: Massachusetts Strategic Highway Safety Plan\).](#)

## Background

An intersection, a place where two or more roads meet, may be one of the most complex environments a driver will encounter along the roadway. Intersections can present conflicts for vehicles and pedestrians alike. In the U.S., over 2.8 million intersection-related crashes occurred in 2000 representing 44 percent of all crashes. Approximately 8,500 fatalities (23 percent of total fatalities) and one million injury crashes occurred at intersections, costing society about \$40 billion. As a result, intersection safety is continually a priority in the U.S. and in Massachusetts, however, in many instances there is an inherent tradeoff between mobility and safety. Low cost safety improvements provide the opportunity to implement countermeasures at intersections where resources are limited.

## Intersections and Countermeasures

Four major types of crashes occur at intersections: (1) angle collisions, (2) rear-end collisions, (3) vehicles improperly changing lanes collisions, and (4) pedestrian and bicycle collisions. Reducing the frequency and severity of crashes can be accomplished through analyzing intersection crash patterns and applying appropriate countermeasures. Intersection crashes have many causes including, but not necessarily limited to, poor geometry and design, deficient operational control, insufficient maintenance, and human error. Considering all of these elements, the optimal approach to improved intersection safety is multidisciplinary in nature; however, many low cost countermeasures focused on the intersection design and operation can be both implemented and effective at the local level. When improving an intersection consider some general strategies such as the following:

- Attempt to minimize intersection conflicts and crashes, and lessen the impacts of crashes when they do occur;
- Attempt to match a countermeasure to an identified safety problem;
- Evaluate implemented countermeasures to identify what works and what does not, for consideration at future locations; and
- Select countermeasures that are technically feasible and practical, and provide an advantageous benefit/cost ratio.



Photo Source: AASHTO Strategic Highway Safety Plan



For more information contact:  
MassHighway  
Traffic Engineering  
(617) 973-8484

Last Revised:  
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# Low Cost Intersection Safety Improvements

## Low Cost Countermeasures

Although large-scale intersection treatments can be used, there are also many effective low cost countermeasures that can be implemented. This fact sheet targets some of the common safety challenges at intersections, and places an emphasis on identifying low-cost improvements that could likely be implemented in a short timeframe (i.e., less than a year). Although several definitions exist for low cost improvements, such as the [Federal Highway Administration's \(FHWA\)](#) definition of less than \$50,000, the information below is based upon treatments under \$15,000. Lastly, focusing on low cost measures often allows for a proactive approach to traffic safety, and may eliminate, or at least defer, the need for a high-cost improvement.

### Did you know?

According to a [Kentucky Transportation Center](#) Research Report warning signs in general are associated with a 25% reduction in crashes. The same report also indicates that all-way stop control reduces crashes by 55%

| Identified Safety Challenge                         | Potential Countermeasures   |
|---|---|
| Driver confusion resulting from lane usage patterns | <ul style="list-style-type: none"> <li>• Install lane use designation signage along side or above the intersection approach.</li> <li>• Add symbolic lane use markings.</li> <li>• Delineate paths through intersection for confusing vehicle movements (e.g., left turns).</li> </ul>      |
| Crashes involving left-turning vehicles             | <ul style="list-style-type: none"> <li>• At signalized locations add protected left-turn phase; however, this should be based upon a capacity analysis.</li> <li>• Consider existing lane usage patterns and reconfigure existing usage to dedicate an exclusive left-turn lane.</li> </ul> |
| Sight distance issues                               | <ul style="list-style-type: none"> <li>• Improve sight lines by clearing obstacles such as brush, unnecessary signs, etc.</li> <li>• Add advance warning signs alerting motorists of intersection ahead.</li> </ul>   |
| Traffic signal conspicuity                          | <ul style="list-style-type: none"> <li>• Add backplates to traffic signal heads.</li> <li>• Consider use of LED signal indications.</li> <li>• Consider position of traffic signal heads with respect to driver sight lines (see MUTCD for guidance).</li> </ul>                            |
| Driver navigation errors                            | <ul style="list-style-type: none"> <li>• Install improved street direction and guidance signage to aid drivers.</li> </ul>  |
| STOP sign violations                                | <ul style="list-style-type: none"> <li>• Upgrade STOP signs (e.g., size and retroreflectivity).</li> <li>• Add advance signage or pavement markings.</li> <li>• Consider flashing intersection control beacons.</li> </ul>  |



MASSACHUSETTS  
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# Low Cost Intersection Safety Improvements

| Identified Safety Challenge                              | Potential Countermeasures   |
|--|---|
| Red light running crashes                                | <ul style="list-style-type: none"> <li>• Revise signal timing for yellow and all-red intervals.</li> <li>• Add advance signal ahead signage when traffic signal sight distance is limited, and based upon conditions consider dynamic signage.</li> </ul>   |
| Accommodation of bicycles and pedestrians                | <ul style="list-style-type: none"> <li>• Mark intersection crosswalks.</li> <li>• Consider pedestrian signal phasing.</li> <li>• Restrict turns during pedestrian phase.</li> <li>• Potentially restripe roadway to provide a travel lane for bicycles at bicycle/traffic intersections.</li> <li>• Install bicycle detection at signalized locations.</li> </ul> |
| Signs obstruct driver vision or increase driver workload | <ul style="list-style-type: none"> <li>• Remove or relocate unnecessary signage either on the intersection approach or at the intersection itself that may obstruct other more important signs. Similarly, unnecessary signs or flashing lights may capture drivers attention causing drivers to miss critical information.</li> </ul>                            |
| Transit stop issues                                      | <ul style="list-style-type: none"> <li>• Relocate transit stops from intersections.</li> <li>• Relocate transit stops from near side to far side.</li> </ul>  |
| Angle crashes at unsignalized intersections              | <ul style="list-style-type: none"> <li>• At intersections with no exiting control where right-of-way may not be obvious consider stop control.</li> <li>• Consider multiway stop control at intersections with nearly equivalent volumes and right-of-way issues.</li> </ul>  |
| Turning radius challenges                                | <ul style="list-style-type: none"> <li>• Add “No Parking” restrictions near intersections to improve turning radii for heavy vehicles.</li> </ul>   |

## Resources

### NCHRP 500 Series – Implementation of AASHTO Strategic Highway Safety Plan

This series of guidebooks provides recommendations and countermeasures aimed at targeting specific safety problems along roadways, and is found at <http://safety.transportation.org/guides.aspx>

### Massachusetts Traffic Safety Toolbox Series

This series of fact sheets provides information on safety improvements that can be implemented at the local level. Information on problem areas, possible countermeasures, and implementation considerations is included in each fact sheet which can be found at [www.mass.gov/mhd/safetytoolbox/](http://www.mass.gov/mhd/safetytoolbox/)

## Massachusetts Traffic Safety Toolbox Series



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