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TOWN OF DEDHAM

Commonwealth of Massachusetts



55 RIVER STREET DEDHAM, MA 02026-2935

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www.dedham-ma.gov

DEPARTMENT OF INFRASTRUCTURE ENGINEERING

INITIAL TRAFFIC EVALUATION

| TO: | Transportation Advisory Committee |
|----------|--|
| FROM: | Jason L. Mammone, P.E., Director of Engineering |
| DATE: | June 16, 2021 |
| SUBJECT: | Traffic Calming Request #2019-007 – Central Avenue (Jersey St to Rustcraft Rd) |

Purpose

The Transportation Advisory Committee (TAC), at their 12/10/19 meeting, reviewed the traffic calming request form (#2019-007) submitted by Kristina & Jeff Hibbard of 278 Central Avenue. Based upon the information provided in the form the Hibbard's concerns are the speed at which vehicles travel, high traffic volume and pedestrian/bicyclist safety particularly between the hour of 7 AM to 9AM and 3 PM to 7 PM. The Hibbard's request also makes mention of vehicles using Central Avenue as a cut-through and using the roadway going the wrong direction. The TAC determined that this request warranted an initial evaluation on Central Avenue and requested that the Engineering Department investigate this matter.

Due to the ongoing MWRA water main project going on at the time of the request on Rustcraft Road, Central Avenue was being used as a detour during various phases of the project changing the everyday normal traffic patterns experienced on Central Avenue. It was recommended and unanimously approved by the TAC that the initial evaluation be performed a few weeks following completion of the MWRA's project to allow the traffic patterns to normalize along this roadway prior to collecting data. Eversource gas followed up with there own gas main replacement project on Central Avenue in the first half of 2021 disrupting traffic patterns again further delaying our efforts to collect data.

Study Area

Central Avenue (Jersey Street to Arrowhead Lane & Wentworth Street to Rustcraft Road):

Central Avenue is a north/south residential/local roadway within a thickly settled residential area. Central Avenue is a public way within the limits described above and is a private way from Arrowhead Lane to Wentworth Street.

Central Avenue is a two-lane roadway separated by a landscaped median. The pavement width along the public way sections is approximately around 20 feet and the width of the landscaped median is approximately 15 feet. Central Avenue is approximately 2,900 feet in length of which approximately 2,050 feet is public way and 850 feet is private way. The section of Central Avenue from Jersey Street to Arrowhead Lane has an asphalt sidewalk on both sides of the roadway, but the section from Wentworth Street to Rustcraft Road does not have any sidewalks. Based upon this information Central Avenue is not considered to have a continuous sidewalk along the entire length of the roadway. Please refer to the attached Locus Map for the public way sections of Central Avenue.

There is an existing "No Parking Anytime" parking restriction along the westerly side of Central Avenue from McKinley Road to Rustcraft Road.

The statutory speed limit on this section of Central Avenue is 25 mph. A statutory speed limit is a default speed limit that applies when no other specific speed limit is posted. According to Massachusetts General Laws (MGL), Chapter 90, Section 17 & Section 17c; unless posted otherwise, your speed would not be reasonable and proper if a motor vehicle is operated in excess of:

- 20 mph in a school zone
- 25 mph in a thickly settled or business district
- 40 mph outside a thickly settled or business district
- 50 mph on a highway outside a thickly settled or business district

Observations (Speed, Volume & Classification)

The Town of Dedham utilized a Jamar radar recorder to log the speed and volume of vehicles during the period beginning May 24, 2021 and ending May 28, 2021. The radar was installed on a utility pole across from #261 Central Avenue at approximate Station 20+33 (See Attached Locus Map).

The combined average speed for both directions was found to be 26.2 mph. The 85th percentile speed for northbound and southbound directions was found to be 25 and 26 mph respectively. The 85th percentile speed is the speed at or below which 85 percent of vehicles travel and is the national standard utilized to determine if the speed on a given roadway is in excess, at or below the speed limit. Based upon the data, the 85th percentile speed indicates that vehicles are going the speed limit in the northbound direction and about 1 mph over the speed limit in the southbound direction.

The volume of traffic expressed as average daily traffic (ADT) and the speed data collected for Central Avenue is shown below in the following table:

| Direction of Traffic | ADT | Peak Hour Volume | Peak Volume Time | Speed Limit | 85 th Percentile Speed | Average Speed |
|-------------------------|-----------|---------------------|------------------------|----------------|---|------------------|
| Northbound | 339 (44%) | 36 | 12 - 1 pm | 25 mph | 25 mph | 20 mph |
| Southbound | 435 (56%) | 43 | 4 - 5 pm | 25 mph | 26 mph | 21 mph |
| Combined | 774 | 74 | 3 - 4 pm | 25 mph | NA | NA |

| Table 1 – | Traffic | Data | Station | 34+00 |
|-----------|---------|------|---------|-------|
| Table T | Trainc | ναια | Julion | 34100 |

Central Avenue does experience a slightly higher-than-normal volume of vehicles for a residential/local roadway as compared to others with similar characteristics. Although Central Avenue does not appear to be a major cut-through for traffic, it does appear that with all the projects over the past several years along East Street and Rustcraft Road that used Central Avenue as a detour, that some motorists still use Central Avenue that do not live in the neighborhood.

Crash Data (Traffic Collisions)

The Engineering Department analyzed crash data utilizing the most recent 2018-2021 data available from the Dedham Police Department to determine if the subject area was experiencing a higher than normal rate of accidents.

| | Table 2 – Crash Data | |
|----------------|----------------------|------------------|
| Road | Total # of Crashes | Crashes Per Year |
| Central Avenue | 1 | 0.33 |

None of the crashes involved a pedestrian and/or bicyclist. The crash above resulted from solar glare. Based upon this data, there appear to be no overriding roadway geometric safety issues.

GIS Data (Pedestrian Generators & Residential Density)

The Engineering Department utilized our latest Geographic Information System (GIS) data to collect the types of pedestrian generators and determine the residential density located within a 1,000 foot buffer of the study area.

Pedestrian generators are those facilities that are considered points of interest that pedestrians travel to, such as parks, community centers, Town/neighborhood centers, libraries, public transit stations, churches and public schools. Based upon the available data, Fairbanks Field is the only pedestrian generators within the 1,000-foot buffer area.

Based upon the available data, the 1,000-foot buffer area has approximately 2 Condo Units, 2 Two-Family Dwellings and 225 Single-Family Dwellings.

Scoring

According to the latest version of the Town's Traffic Calming Policy, for a local/residential roadway to qualify for traditional traffic calming measures, the petitioned roadway must score

S:\Transportation Advisory Committee\Traffic Calming Requests\2019\2019-007 Kristina Hibbard - Central Avenue\Initial Eval Central Avenue 061621.docx

more than 50 points utilizing the scores calculated from the 6 criteria including; Speed, Volume, Pedestrian Route, Traffic Collisions, Pedestrian Generators and Residential Density. The table below summarizes the scoring for each criterion.

| Criteria | Score (Central Avenue) |
|--|------------------------|
| Speed – Based upon how many mph the combined 85 th percentile speed is over the speed limit. 2 points awarded for each mph over the speed limit from 1 to 5 mph over the speed limit and 4 points awarded for each mph over the speed limit starting at 6 mph and greater over the speed limit | 2 |
| Volume – 1 point awarded for every 100 vehicles of average daily traffic (ADT) | 7 |
| Pedestrian Route - 10 points awarded if no continuous sidewalk exist on both sides of the roadway or 5 points awarded if there is only a continuous sidewalk on one side of the roadway | 10 |
| Traffic Collisions – 2 points awarded for each preventable collision in a 3 year period that occurred along the subject roadway. 8 points awarded if a collision involved a pedestrian or bicyclist. | 0 |
| Pedestrian Generators – 3 points awarded for every park, community center, library, public transit station or church located within 1,000 feet of the subject roadway. 10 points awarded for each public school within 1,000 feet of the subject roadway | 3 |
| Residential Density – 1 point awarded for every 50 dwelling units within 1,000 feet of the subject roadway | 4 |
| TOTAL SCORE | 26 |

| Tal | ble | 3 | _ | Sco | ring |
|-----|-----|---|---|-----|---------|
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Conclusion

Traditional traffic calming measures are not recommended for Central Avenue since it did not score greater than 50 points based upon the criterion listed in Table 3 above.

Although Central Avenue is not recommended for traditional traffic calming measures, the Engineering Department would also like to offer the following low-cost traffic calming measures that could be utilized and/or taken on by the concerned residents and neighbors.

 Purchasing a Step2 Kid Alert Visual Warning System – These can be purchased at Toys R' Us, Wal-Mart, Amazon.com and other similar retail and online stores for about \$25 to \$35. The Step2 Kid should be placed at the end of your driveway so it is visible to motorists. This should only be placed out during times when kids are actually outside playing in the yard. By having it out all the time, it will reduce its effectiveness. Studies have shown that when used properly, it usually aids in the reduction of vehicle speeds.

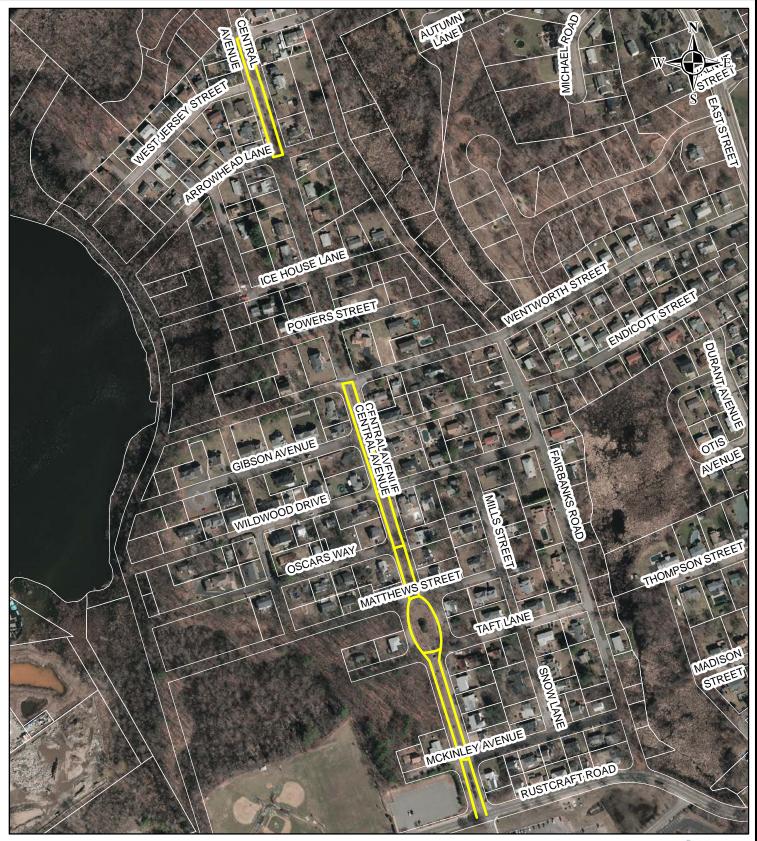


Photo of Step 2 Kid Alert

• Work with your neighbors to park your cars on side of the street to reduce the openness of the roadway while still allowing for the safe passage of emergency response vehicles

(i.e. Police, Ambulance, Fire Engine). This measure physically narrows the roadway making the motorist slow down to negotiate by the parked vehicles.

- The neighborhood could reach out to the Police Department to see if they can place their mobile "Your Speed Is" indicator sign on Central Avenue a couple times a year.
- During the time data was collected, it was observed that there were many pedestrians walking on Central Avenue. It appeared that not only the residents use Central Avenue to walk around, but employees at the General Dynamics/Red Cross building on Rustcraft Road walk along Central Avenue during their lunch breaks and even parents that have kids playing sports at Fairbanks Park will walk along Central Avenue, particularly between Wentworth Street and Rustcraft Road must walk in the roadway since there are no sidewalks. It is never good practice for pedestrians to walk in roadway along with vehicles as it increases the risk of an accident. Thankfully there has not been an accident to date, but it is recommended that this section of Central Avenue be considered for sidewalks on both sides of the roadway. Over the years Dedham has been trying to improve walkability all throughout Town and this would be a great project to create a safe environment for all pedestrians.
- Cc: Select Board
- Attachments: Central Avenue Locus Map Central Avenue Radar Location Map Central Avenue Buffer Map Speed Statistics Report Traffic Volume Report

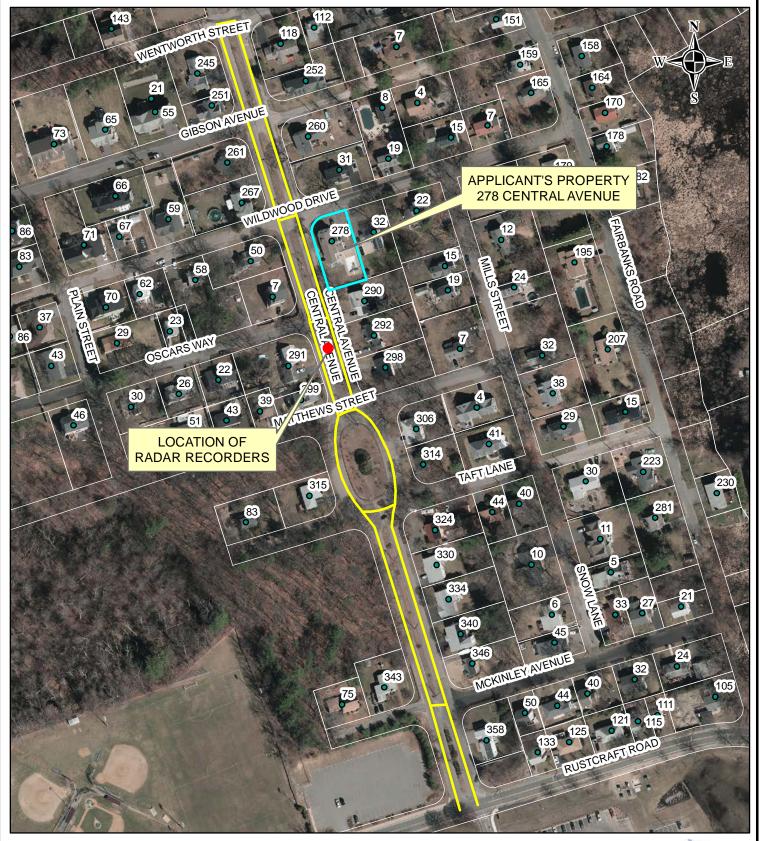




CENTRAL AVENUE REQUEST #2019-007 LOCUS MAP



TOWN OF DEDHAM, MASSACHUSETTS

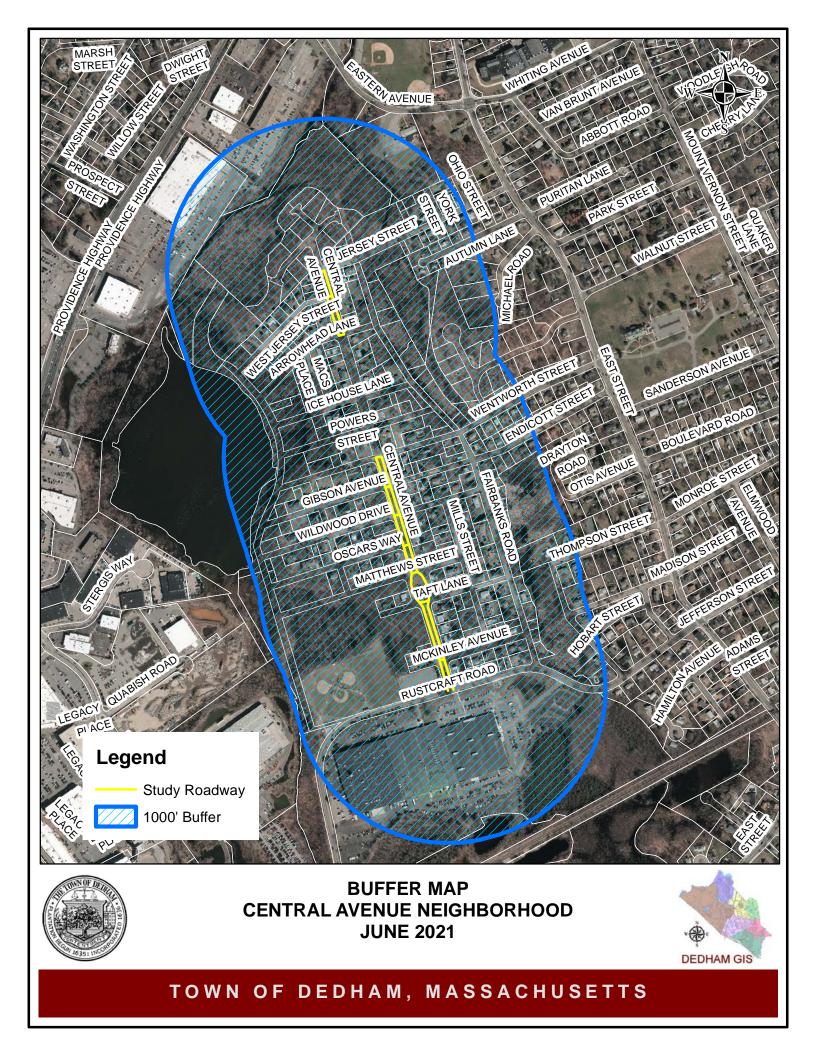




CENTRAL AVENUE REQUEST #2019-007 RADAR LOCATION MAP



TOWN OF DEDHAM, MASSACHUSETTS





Station ID: 20+33

Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| Location 12: 20- Location 1: Or Location 2: Fro Location 3: Location 4: Direction: North | n Utility Pole A om #292 Cent | cross tral Ave | | | | | | | | | | | Latitud | Comment 2: Comment 3: Comment 4: de: 0.000000 de: 0.000000 |
|---|----------------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|--|
| 5/24/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| | 0 - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| 12:00 AM | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 1:00 | | * | * | * | * | * | * | * | | * | * | * | | 0 |
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| 4:00 5:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
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| 7:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 8:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 9:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 10:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 11:00 | | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 12:00 PM | | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 1:00 | | 9 | 14 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 2:00 | | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 3:00 | 2 | 13 | 15 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 4:00 | 3 | 4 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 5:00 | 1 | 5 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 6:00 | | 11 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 7:00 | | 4 | 7 | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | - | 12 |
| 8:00 | | 6 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 14 |
| 9:00 | | 2 | 8 | 1 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | - | 12 |
| 10:00 | | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 4 |
| 11:00 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| Total | 17 | 64 | 100 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 195 |

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Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| Site Code: 0004 Station ID: 20+3 Location 1: On Location 2: Froi Location 3: Location 4: Direction: North | 33 Utility Pole A m #292 Cent | | | | | | | | | | | | Latitud | Comment 2: Comment 3: Comment 4: le: 0.000000 le: 0.000000 |
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| 5/25/2021 | 0 - 15 MPH | > 15 - 20 MPH | > 20 - 25 MPH | > 25 - 30 MPH | > 30 - 35 MPH | > 35 - 40 MPH | > 40 - 45 MPH | > 45 - 50 MPH | > 50 - 55 MPH | > 55 - 60 MPH | > 60 - 65 MPH | > 65 - 70 MPH | > 70 MPH | Total |
| 12:00 AM | 0 - 15 MPH 0 | <u> </u> | <u>MPH</u> 3 | 0 | <u>MPH</u> 0 | 0 | <u>MPH</u> 0 | | 0 | 0 | 0 | 0 MPH | <u> 70 MPH</u> 0 | Total |
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| 2:00 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
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| 6:00 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 7:00 | 2 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 8:00 | 2 | 8 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 9:00 | 2 | 8 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 10:00 | 3 | 3 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 11:00 | 1 | 6 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 12:00 PM | 1 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 1:00 | 0 | 7 | 13 | 3 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 23 |
| 2:00 | 2 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 3:00 | 6 | 6 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 4:00 | 4 | 5 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 5:00 | 1 | 6 | 14 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 6:00 | 10 | 7 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 7:00 | 4 | 7 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 8:00 | 1 | 2 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 9:00 | 1 | 2 | 4 | 3 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 10 |
| 10:00 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 11:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 41 | 93 | 165 | 38 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 338 |

Comment 1: Comment 2: õ nent 3: ment 4:



55 River Street Dedham, MA 02026 781-751-9350

| Site Code: 000 Station ID: 20- Location 1: Or Location 2: Fro Location 3: Location 4: Direction: Nort | +33 a Utility Pole A com #292 Cent | | | | | |
|---|--|-----------|-----------|-----------|-----------|-----------|
| 5/26/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 |
| Time | 0 - 15 MPH | MPH | MPH | MPH | MPH | MPH |
| 12:00 AM | 0 | 1 | 2 | 0 | 0 | |
| 1:00 | 0 | 0 | 0 | 0 | 0 | |
| 2:00 | 0 | 0 | 0 | 0 | 0 | |
| 3:00 | 0 | 0 | 0 | 0 | 0 | |
| 4:00 | 0 | 0 | 0 | 0 | 0 | |
| 5:00 | 1 | 1 | 1 | 0 | 0 | |
| 6:00 | 0 | 2 | 2 | 2 | 0 | |
| 7:00 | 3 | 9 | 10 | 2 | 1 | |
| 8:00 | 1 | 1 | 12 | 1 | 0 | |

| Dir | ection: Nort | n, 1 | | | | | | | | | | | | | |
|-----|--------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-------|
| | 5/26/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| | Time | 0 - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| | 12:00 AM | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | 1:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 5:00 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | 6:00 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | 7:00 | 3 | 9 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| | 8:00 | 1 | 1 | 12 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| | 9:00 | 1 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | 10:00 | 4 | 7 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| | 11:00 | 4 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| | 12:00 PM | 1 | 8 | 13 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| | 1:00 | 6 | 11 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| | 2:00 | 4 | 5 | 17 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| | 3:00 | 3 | 9 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| | 4:00 | 2 | 6 | 12 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | 5:00 | 2 | 9 | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| | 6:00 | 3 | 8 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| | 7:00 | 0 | 6 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| | 8:00 | 0 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| | 9:00 | 0 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | 10:00 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| | 11:00 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| _ | Total | 35 | 110 | 154 | 37 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 340 |
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Location 1: On Utility Pole Across

Station ID: 20+33

Town of Dedham Engineering Department

55 River Street Dedham, MA 02026 781-751-9350

| Location 2: Fron Location 3: Location 4: Direction: North, | | ral Ave | | | | | | | | | | | Latitud | Comment 4: de: 0.000000 de: 0.000000 |
|---|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|--|
| 5/27/2021 Time_0 |) - 15 MPH | > 15 - 20 MPH | > 20 - 25 MPH | > 25 - 30 MPH | > 30 - 35 MPH | > 35 - 40 MPH | > 40 - 45 MPH | > 45 - 50 MPH | > 50 - 55 MPH | > 55 - 60 MPH | > 60 - 65 MPH | > 65 - 70 MPH | > 70 MPH | Total |
| 12:00 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
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| 2:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
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| 5:00 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 6:00 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 7:00 | 2 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| 8:00 | 1 | 5 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 9:00 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 10:00 | 3 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 11:00 | 3 | 10 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 12:00 PM | 3 | 10 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| 1:00 | 2 | 10 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 2:00 | 7 | 7 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 |
| 3:00 | 4 | 17 | 11 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 4:00 | 1 | 15 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 5:00 | 0 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| 6:00 | 3 | 10 | 14 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 7:00 | 3 | 5 | 16 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 8:00 | 3 | 5 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 9:00 | 1 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 11 |
| 10:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 11:00 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 42 | 120 | 136 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 340 |

4

Comment 2: Comment 3: Comment 4: Latitude: 0.000000

Comment 1:



Station ID: 20+33

Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| ocation 1: On L ocation 2: From ocation 3: ocation 4: irection: North, | n #292 Cent | | | | | | | | | | | | Latitud | Comment 3 Comment 4 le: 0.000000 le: 0.000000 |
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| 5/28/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| | - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| 12:00 AM | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1:00 2:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 4:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 6:00 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 7:00 | 3 | 7 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 8:00 | 1 | 9 | 11 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 9:00 | 1 | 9 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 10:00 | 0 | 2 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 12:00 PM | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 1:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 2:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 3:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 4:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 5:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 6:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 7:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 8:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 9:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| Total | 6 | 35 | 28 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 82 |
| Grand Total | 141 | 422 | 583 | 141 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1295 |
| Stats | | | Percentile Speed | 15th 16.9 | 50th 20.9 | 85th 24.9 | 95th 26.9 | | | | | | | |
| | | | Speed | 10.9 | 20.9 | 24.9 | 20.9 | | | | | | | |

speed Mean Speed (Average) 19.9 10 MPH Pace Speed 15-24 Number in Pace Percent in Pace 76.8% Number > 25 MPH

149 Percent > 25 MPH 11.5%

994

Comment 1:

Comment 2:



Station ID: STA 20+33 Location 1: On Utility Pole Across

Town of Dedham Engineering Department

55 River Street Dedham, MA 02026 781-751-9350

| Location 2: From Location 3: Location 4: Direction: South, | | ral Ave | | | | | | | | | | | Latitue Longitue | Comment 4: de: 0.000000 de: 0.000000 |
|---|-----------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------------|--|
| 5/24/2021 Time 0 | - 15 MPH | > 15 - 20 MPH | > 20 - 25 MPH | > 25 - 30 MPH | > 30 - 35 MPH | > 35 - 40 MPH | > 40 - 45 MPH | > 45 - 50 MPH | > 50 - 55 MPH | > 55 - 60 MPH | > 60 - 65 MPH | > 65 - 70 MPH | > 70 MPH | Total |
| 12:00 AM | - 13 IVIFT * | | | <u>імгп</u> * | * | <u>імігп</u> * | * | * | | | | | > / U IVIF IT | 0 |
| 1:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 2:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 3:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 4:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 5:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 6:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 7:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 8:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 9:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 12:00 PM | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 1:00 | 7 | 10 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 2:00 | 3 | 8 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 3:00 | 8 | 11 | 13 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 4:00 | 3 | 6 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 5:00 | 3 | 1 | 19 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 6:00 | 1 | 4 | 14 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| 7:00 | 1 | 5 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| 8:00 | 3 | 3 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 9:00 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 10:00 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 11:00 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Total | 31 | 52 | 110 | 36 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |



Station ID: STA 20+33

Town of Dedham Engineering Department

55 River Street Dedham, MA 02026 781-751-9350

| | On Utility Pole A From #261 Cen | | | | | | | | | | | | ((Latitud | Comment 2: Comment 3: Comment 4: e: 0.000000 e: 0.000000 |
|----------------|------------------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------|------------------|-------------------|--|
| 5/25/202 | | > 15 - 20 MPH | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 MPH | > 55 - 60 MPH | > 60 - 65 | > 65 - 70 MPH | | Tatal |
| 12:00 A | ne 0 - 15 MPH M 1 | 0 | <u>MPH</u> 0 | <u>MPH</u> 0 | <u>MPH</u> 0 | <u>MPH</u> 0 | <u>MPH</u> 0 | <u>MPH</u> 0 | <u>MPH</u> | <u>MPH</u> 0 | <u>MPH</u> | 0 | > 70 MPH 0 | Total |
| 12.00 A 1:(| | | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | - | 0 |
| 2:0 | | | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 |
| 3:0 | | | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | | 0 |
| 4:0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 |
| 5:0 | | 0 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | 5 |
| 6:0 | | 1 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 20 |
| 7:0 | | 3 | 12 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 25 |
| 8:0 | 00 7 | 6 | 14 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 9:0 | 00 5 | 9 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 10:0 | 0 2 | 10 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 11:0 | 0 2 | 8 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 12:00 P | M 5 | 8 | 15 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 1:0 | 8 00 | 6 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 2:0 | 00 5 | 8 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 3:0 | | | 19 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| 4:0 | | 3 | 13 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | 27 |
| 5:0 | | 12 | 19 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 41 |
| 6:0 | | | 13 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • | 33 |
| 7:0 | | | 11 | 1 | 1 | 0 | 0 | 0 | | 0 | 0 | 0 | | 23 |
| 8:0 | | | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 9:0 | | | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 6 |
| 10:0 | | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| 11:0 | | - | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 4 |
| Tot | al 57 | 105 | 189 | 82 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 447 |

Comment 1:

Comment 2:



Station ID: STA 20+33

Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| Location 1: On Location 2: Fro Location 3: Location 4: Direction: Sout | Utility Pole A om #261 Cent | | | | | | | | | | | | Latitud | Comment 2: Comment 3: Comment 4: e: 0.000000 e: 0.000000 |
|--|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|--|
| 5/26/2021 | , | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| Time | 0 - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| 12:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 1:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 2:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5:00 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 6:00 | 0 | 5 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 7:00 | 3 | 6 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 8:00 | 1 | 9 | 14 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 |
| 9:00 | 4 | 2 | 6 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 10:00 | 2 | 9 | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| 11:00 | 7 | 5 | 17 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 12:00 PM | 3 | 7 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| 1:00 | 5 | 11 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| 2:00 | 4 | 7 | 20 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 3:00 | 0 | 6 | 20 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 4:00 | 11 | 2 | 19 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| 5:00 | 1 | 6 | 16 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 |
| 6:00 | 1 | 8 | 15 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| 7:00 | 4 | 3 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 8:00 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| 9:00 | 2 | 1 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| 10:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 11:00 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 51 | 87 | 215 | 91 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 455 |

Comment 1: Comment 2: Comment 3: Comment 4:



Station ID: STA 20+33

Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| Location 1: On Location 2: Fro Location 3: Location 4: Direction: Sout | Utility Pole A om #261 Cent | | | | | | | | | | | | (Latitud | Comment 2: Comment 3: Comment 4: e: 0.000000 e: 0.000000 |
|--|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--|
| 5/27/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| | 0 - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| 12:00 AM | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4:00 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 5:00 | • | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 13 |
| 6:00 7:00 | 0 | 4 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 8:00 | 3 | 2 | 17 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 9:00 | 3 | 7 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| 10:00 | 3 | 2 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| 11:00 | 4 | 6 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 12:00 PM | 4 | 8 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 |
| 1:00 | 4 | 10 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 |
| 2:00 | 3 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| 3:00 | 5 | 9 | 15 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| 4:00 | 0 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 |
| 5:00 | 2 | 10 | 16 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| 6:00 | 4 | 5 | 22 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| 7:00 | 2 | 7 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 8:00 | 3 | 3 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| 9:00 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 10:00 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 11:00 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total | 46 | 87 | 195 | 71 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 403 |



Station ID: STA 20+33

Town of Dedham **Engineering Department**

55 River Street Dedham, MA 02026 781-751-9350

| ocation 1: On Ut ocation 2: From ocation 3: ocation 4: Direction: South, | #261 Cent | ral Ave | | | | | | | | | | | Latitud | Comment 3 Comment 4 le: 0.000000 le: 0.000000 |
|--|-----------|-----------|---------------------|--------------|--------------|--------------|--------------|-----------|-----------|-----------|-----------|-----------|----------|--|
| 5/28/2021 | | > 15 - 20 | > 20 - 25 | > 25 - 30 | > 30 - 35 | > 35 - 40 | > 40 - 45 | > 45 - 50 | > 50 - 55 | > 55 - 60 | > 60 - 65 | > 65 - 70 | | |
| | - 15 MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | MPH | > 70 MPH | Total |
| 12:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 | | | 0 |
| 1:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | C |
| 4:00 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 5:00 | 2 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 6:00 | 2 | 1 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 7:00 | 3 | 5 | 14 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| 8:00 | 4 | 9 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 |
| 9:00 | 5 | 6 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| 10:00 | 1 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 12:00 PM | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 1:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | (|
| 2:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 3:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 4:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 5:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 6:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 7:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 8:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | C |
| 9:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | 0 |
| Total | 17 | 29 | 49 | 19 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 116 |
| Grand Total | 202 | 360 | 758 | 299 | 31 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1654 |
| Stats | | | Percentile Speed | 15th 14.9 | 50th 20.9 | 85th 25.9 | 95th 27.9 | | | | | | | |
| | | | Opeeu | 14.3 | 20.3 | 20.3 | 21.3 | | | | | | | |

speed Mean Speed (Average)

10 MPH Pace Speed 16-25 Number in Pace 1107 Percent in Pace 66.9%

Number > 25 MPH 334

20.8

Percent > 25 MPH 20.2%

5

Comment 1:

Comment 2:

| ST ST | | | |
|----------------------|---------------------------|------------------------|-----------------------|
| E ANT | | Engineering Department | |
| | | 55 River Street | |
| STAN ARCAN STAN STAN | | Dedham, MA 02026 | |
| | | | |
| | | 781-751-9350 | . |
| Site Code: 0000 | | | Comment 1: |
| Station ID: 20+3 | oo Utility Pole Across | | Comment 2: Comment 3: |
| Location 2: From | m #292 Central Av | e (| Comment 4: |
| Location 3: | | | e: 0.000000 |
| Location 4: | | | e: 0.000000 |
| 5/24/2021 | North, 1 | | |
| Time | | | |
| 12:00 AM | * | | |
| 1:00 | * | | |
| 2:00 | * | | |
| 3:00 | * | | |
| 4:00 | * | | |
| 5:00 | * | | |
| 6:00 | * | | |
| 7:00 | * | | |
| 8:00 | * | | |
| 9:00 | * | | |
| 10:00 | * | | |
| 11:00 | * | | |
| 12:00 PM | 3 | | |
| 1:00 | 29 | | |
| 2:00 | 16 | | |
| 3:00 | 35 | | |
| 4:00 | 19 | | |
| 5:00 | 21 | | |
| 6:00 | 30 | | |
| 7:00 | 12 | | |
| 8:00 | 14 | | |
| 9:00 | 12 | | |
| 10:00 | 4 | | |
| 11:00 | 0 | | |
| Total | 195 | | |
| AM Peak | | | |
| Volume | | | |
| PM Peak | 3:00 | | |
| Volume | 35 | | |

Town of Dedham

1

| 1 | OTTA | OF | DED | |
|--------|------|-------|-----|--------|
| HL + N | - AL | F. | 翻 | 11 * 2 |
| No. of | C | Trate | Z | |

55 River Street Dedham, MA 02026 781-751-9350

Site Code: 0000004 Station ID: 20+33 Location 1: On Utility Pole Across Location 2: From #292 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/25/2021 | North, 1 | |
| Time | | |
| 12:00 AM | 4 | |
| 1:00 | 0 | |
| 2:00 | 2 | |
| 3:00 | 0 | |
| 4:00 | 0 | |
| 5:00 | 4 | |
| 6:00 | 5 | |
| 7:00 | 22 | |
| 8:00 | 23 | |
| 9:00 | 20 | |
| 10:00 | 16 | |
| 11:00 | 17 | |
| 12:00 PM | 17 | |
| 1:00 | 23 | |
| 2:00 | 17 | |
| 3:00 | 34 | |
| 4:00 | 24 | |
| 5:00 | 27 | |
| 6:00 | 31 | |
| 7:00 | 20 | |
| 8:00 | 13 | |
| 9:00 | 10 | |
| 10:00 | 8 | |
| 11:00 | 1 | |
| Total | 338 | |
| AM Peak | 8:00 | |
| Volume | 23 | |
| PM Peak | 3:00 | |
| Volume | 34 | |

| 1 | OTTA | OF | DED | |
|--------|------|-------|-----|--------|
| HL + N | - AL | F. | 翻 | 11 * 2 |
| No. of | C | Trate | Z | |

55 River Street Dedham, MA 02026 781-751-9350

Site Code: 0000004 Station ID: 20+33 Location 1: On Utility Pole Across Location 2: From #292 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/26/2021 | North, 1 | |
| Time | | |
| 12:00 AM | 3 | |
| 1:00 | 0 | |
| 2:00 | 0 | |
| 3:00 | 0 | |
| 4:00 | 0 | |
| 5:00 | 3 | |
| 6:00 | 6 | |
| 7:00 | 25 | |
| 8:00 | 15 | |
| 9:00 | 14 | |
| 10:00 | 19 | |
| 11:00 | 20 | |
| 12:00 PM | 24 | |
| 1:00 | 27 | |
| 2:00 | 31 | |
| 3:00 | 28 | |
| 4:00 | 23 | |
| 5:00 | 27 | |
| 6:00 | 21 | |
| 7:00 | 23 | |
| 8:00 | 14 | |
| 9:00 | 12 | |
| 10:00 | 4 | |
| 11:00 | 1 | |
| Total | 340 | |
| AM Peak | 7:00 | |
| Volume | 25 | |
| PM Peak | 2:00 | |
| Volume | 31 | |

| | X | |
|-----------|-------|---|
| ST. | 3 | 1 |
| STATES OF | a cal | |
| | | |

55 River Street Dedham, MA 02026 781-751-9350

Site Code: 0000004 Station ID: 20+33 Location 1: On Utility Pole Across Location 2: From #292 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/27/2021 | North, 1 | |
| Time | | |
| 12:00 AM | 1 | |
| 1:00 | 3 | |
| 2:00 | 1 | |
| 3:00 | 1 | |
| 4:00 | 0 | |
| 5:00 | 3 | |
| 6:00 | 5 | |
| 7:00 | 11 | |
| 8:00 | 16 | |
| 9:00 | 14 | |
| 10:00 | 15 | |
| 11:00 | 29 | |
| 12:00 PM | 36 | |
| 1:00 | 20 | |
| 2:00 | 22 | |
| 3:00 | 34 | |
| 4:00 | 30 | |
| 5:00 | 8 | |
| 6:00 | 31 | |
| 7:00 | 27 | |
| 8:00 | 17 | |
| 9:00 | 11 | |
| 10:00 | 2 | |
| 11:00 | 3 | |
| Total | 340 | |
| AM Peak | 11:00 | |
| Volume | 29 | |
| PM Peak | 12:00 PM | |
| Volume | 36 | |

| | | | Engineering Department 55 River Street Dedham, MA 02026 781-751-9350 | |
|----------------------------|-------------------|----------|---|---------------------|
| Site Code: 000 | | | | Comment 1: |
| Station ID: 20+3 | | | | Comment 2: |
| Location 1: On | Utility Pole Acro | SS | | Comment 3: |
| Location 2: From | m #292 Central | Ave | | Comment 4: |
| Location 3: Location 4: | | | | Latitude: 0.000000 |
| 5/28/2021 | North, 1 | | | Longitude: 0.000000 |
| 5/26/2021 Time | North, 1 | | | |
| 12:00 AM | 2 | | | |
| 1:00 | 1 | | | |
| 2:00 | 0 | | | |
| 3:00 | 1 | | | |
| 4:00 | 0 | | | |
| 5:00 | 2 | | | |
| 6:00 | 7 | | | |
| 7:00 | 21 | | | |
| 8:00 | 26 | | | |
| 9:00 | 15 | | | |
| 10:00 | 7 | | | |
| 11:00 | * | | | |
| 12:00 PM | * | | | |
| 1:00 | * | | | |
| 2:00 | * | | | |
| 3:00 | * | | | |
| 4:00 | * | | | |
| 5:00 | * | | | |
| 6:00 | * | | | |
| 7:00 | * | | | |
| 8:00 | * | | | |
| 9:00 | * | | | |
| 10:00 | * | | | |
| 11:00 | * | | | |
| Total | 82 | | | |
| AM Peak | 8:00 | | | |
| Volume | 26 | | | |
| PM Peak | | | | |
| Volume | | | | |
| Grand Total | 1295 | | | |
| ADT | | ADT: 339 | AADT: 339 | |
| | | | | |

Town of Dedham

| Site Code: 0000000 Station ID: STA 20+ | | Town of Dedham Engineering Department 55 River Street Dedham, MA 02026 781-751-9350 | Comment 1: Comment 2: |
|---|----------------|---|---|
| Location 1: On Utility | | | Comment 2: |
| Location 2: From #2 | 61 Central Ave | | Comment 4: |
| Location 3: Location 4: | | | Latitude: 0.000000 Longitude: 0.000000 |
| | uth, 1 | | Longitude: 0.000000 |
| Time | | | |
| 12:00 AM | * | | |
| 1:00 | * | | |
| 2:00 | * | | |
| 3:00 | * | | |
| 4:00 | * | | |
| 5:00 | * | | |
| 6:00 | * | | |
| 7:00 | * | | |
| 8:00 9:00 | * | | |
| 10:00 | * | | |
| 11:00 | * | | |
| 12:00 PM | * | | |
| 1:00 | 35 | | |
| 2:00 | 28 | | |
| 3:00 | 35 | | |
| 4:00 | 29 | | |
| 5:00 | 34 | | |
| 6:00 | 24 | | |
| 7:00 | 17 | | |
| 8:00 | 19 | | |
| 9:00 | 6 | | |
| 10:00 | 3 | | |
| 11:00 | 3 | | |
| Total AM Peak | 233 | | |
| Volume | | | |
| PM Peak | 1:00 | | |
| Volume | 35 | | |

| A A | SITN OF DEPE |
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| 11 + N | |
| COMPANY. | |

55 River Street Dedham, MA 02026 781-751-9350

Site Code: 00000005 Station ID: STA 20+33 Location 1: On Utility Pole Across Location 2: From #261 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/25/2021 | South, 1 | |
| Time | | |
| 12:00 AM | 1 | |
| 1:00 | 0 | |
| 2:00 | 1 | |
| 3:00 | 0 | |
| 4:00 | 0 | |
| 5:00 | 5 | |
| 6:00 | 20 | |
| 7:00 | 25 | |
| 8:00 | 33 | |
| 9:00 | 31 | |
| 10:00 | 25 | |
| 11:00 | 21 | |
| 12:00 PM | 35 | |
| 1:00 | 33 | |
| 2:00 | 25 | |
| 3:00 | 40 | |
| 4:00 | 27 | |
| 5:00 | 41 | |
| 6:00 | 33 | |
| 7:00 | 23 | |
| 8:00 | 13 | |
| 9:00 | 6 | |
| 10:00 | 5 | |
| 11:00 | 4 | |
| Total | 447 | |
| AM Peak | 8:00 | |
| Volume | 33 | |
| PM Peak | 5:00 | |
| Volume | 41 | |
| | | |

| | OWN OF DEDE |
|----------|----------------|
| E. | ANTER F |
| N. Salar | |
| | ACLN 1655 NORS |

55 River Street Dedham, MA 02026 781-751-9350

Site Code: 00000005 Station ID: STA 20+33 Location 1: On Utility Pole Across Location 2: From #261 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/26/2021 | South, 1 | |
| Time | | |
| 12:00 AM | 1 | |
| 1:00 | 2 | |
| 2:00 | 1 | |
| 3:00 | 0 | |
| 4:00 | 0 | |
| 5:00 | 7 | |
| 6:00 | 20 | |
| 7:00 | 26 | |
| 8:00 | 31 | |
| 9:00 | 20 | |
| 10:00 | 28 | |
| 11:00 | 35 | |
| 12:00 PM | 27 | |
| 1:00 | 35 | |
| 2:00 | 38 | |
| 3:00 | 34 | |
| 4:00 | 43 | |
| 5:00 | 33 | |
| 6:00 | 30 | |
| 7:00 | 20 | |
| 8:00 | 7 | |
| 9:00 | 13 | |
| 10:00 | 2 | |
| 11:00 | 2 | |
| Total | 455 | |
| AM Peak | 11:00 | |
| Volume | 35 | |
| PM Peak | 4:00 | |
| Volume | 43 | |
| | | |

| OTA | OF | DED | |
|------|-------------|---------|-------|
| ASE. | 3 | 麗 | N * % |
| 600 | Carlo Carlo | J. | |
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55 River Street Dedham, MA 02026 781-751-9350

Site Code: 00000005 Station ID: STA 20+33 Location 1: On Utility Pole Across Location 2: From #261 Central Ave Location 3: Location 4:

| Location 4: | | Longitude: 0.000000 |
|-------------|----------|---------------------|
| 5/27/2021 | South, 1 | |
| Time | | |
| 12:00 AM | 2 | |
| 1:00 | 1 | |
| 2:00 | 1 | |
| 3:00 | 0 | |
| 4:00 | 1 | |
| 5:00 | 5 | |
| 6:00 | 13 | |
| 7:00 | 23 | |
| 8:00 | 27 | |
| 9:00 | 25 | |
| 10:00 | 19 | |
| 11:00 | 26 | |
| 12:00 PM | 34 | |
| 1:00 | 29 | |
| 2:00 | 16 | |
| 3:00 | 36 | |
| 4:00 | 21 | |
| 5:00 | 39 | |
| 6:00 | 38 | |
| 7:00 | 23 | |
| 8:00 | 14 | |
| 9:00 | 6 | |
| 10:00 | 2 | |
| 11:00 | 2 | |
| Total | 403 | |
| AM Peak | 8:00 | |
| Volume | 27 | |
| PM Peak | 5:00 | |
| Volume | 39 | |

| | | | 55 River Street Dedham, MA 02026 781-751-9350 | |
|----------------------------|-------------------|----------|---|---|
| Site Code: 0000 | 0005 | | | Comment 1: |
| Station ID: STA | | | | Comment 2: |
| Location 1: On | Utility Pole Acro | SS | | Comment 3: |
| Location 2: From | m #261 Central | Ave | | Comment 4: |
| Location 3: Location 4: | | | | Latitude: 0.000000 Longitude: 0.000000 |
| 5/28/2021 | South, 1 | | | Longitude: 0.000000 |
| Time | Oouin, T | | | |
| 12:00 AM | 0 | | | |
| 1:00 | 0 | | | |
| 2:00 | 0 | | | |
| 3:00 | 0 | | | |
| 4:00 | 1 | | | |
| 5:00 | 6 | | | |
| 6:00 | 12 | | | |
| 7:00 | 26 | | | |
| 8:00 | 36 | | | |
| 9:00 | 23 | | | |
| 10:00 | 12 | | | |
| 11:00 | * | | | |
| 12:00 PM | * | | | |
| 1:00 | * | | | |
| 2:00 | * | | | |
| 3:00 | * | | | |
| 4:00 | * | | | |
| 5:00 | * | | | |
| 6:00 | * | | | |
| 7:00 | * | | | |
| 8:00 9:00 | * | | | |
| 10:00 | * | | | |
| 11:00 | * | | | |
| Total | 116 | | | |
| AM Peak | 8:00 | | | |
| Volume | 36 | | | |
| PM Peak | 00 | | | |
| Volume | | | | |
| Grand Total | 1654 | | | |
| ADT | | ADT: 435 | AADT: 435 | |
| | | | | |

Town of Dedham